National Pollutant Discharge Elimination System Permit 2007 Annual Report

CITY OF WICHITA

Department of Environmental Services
1900 East Ninth Street
Wichita, KS 67214
(316) 268-8355

March 31, 2007

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2007 Annual Report
Wichita Municipal
NPDES Stormwater Permit

Introductory Narrative

City of Wichita

2007

APPENDIX A

2007 ANNUAL REPORT
WICHITA NPDES MUNICIPAL STORM WATER PERMIT

I. Introductory Narrative

Purpose: This section is to identify the permit for which the report is provided and address any other topics the municipality would like to discuss beyond the required topics.

Response: This report is submitted in compliance with the City of Wichita's NPDES Storm Water Permit, Kansas Permit #MAR94-S001, Federal Permit #KS0091049.

There are several issues that we would like to discuss in this section of the report. First, in 2007, the City Council annexed approximately 2179 square miles into the city, giving the city a total area of 164,233 square miles. The 2007 annexations added a total of 235 housing units with a total population of 564. Attached, in Appendix B, is a summary of the 2007 annexation activities, along with a map of the current city limit boundaries as of December 31, 2007.

The City was issued a new NPDES permit effective October 1, 2007. This report is based largely on the requirements of the expired permit, but also addresses the issues set forth in the new permit.

As reported in prior annual reports, the City continues to work on water quality issues for the Arkansas River and its tributaries in the Wichita area. The Arkansas River technical advisory and steering committees are still active in overseeing work that is currently being done and planned for the future.

In 2007, the Environmental Services Department received a KDHE Watershed Restoration Assessment and Protection Strategies (WRAPS) grant (Phase 1) to develop an Arkansas River watershed stakeholders list, determine water quality concerns, and identify priorities for addressing those concerns (in specific HUCs). A second grant application was submitted for a continuation of the KDHE WRAPs grant. Work on these grants will begin during the 2008 calendar year.

Monthly sampling was instituted in 1999 on the Big Arkansas River at 53rd Street North, at 47th Street South, and at 63rd Street South and the Little Arkansas River at 53rd Street North for all of the principal pollutants of concern. This sampling continued through out 2007. These sample sites were selected to allow the City to determine the principal pollutant levels coming into Wichita, along with the pollutant levels when flow leaves the City. Data for each pollutant is listed in Appendix N.

As has been reported in the last few Annual Reports, Sedgwick County has now taken over all responsibility for solid waste operations in this county. This includes all recycling and household hazardous waste efforts. From this point forward, Sedgwick County should report on these efforts as a part of their Phase II Storm Water Annual Report.

II. Status of Compliance

A. Pollution Prevention Requirements

Purpose: Provide a summary of the amount of waste material properly disposed of through the Household Hazardous Waste/Used Motor Vehicle Fluid Program. The publication and promotion of this program should be documented.

Status: This program is now run by Sedgwick County.

The City of Wichita's efforts to raise public awareness about pollution of the Arkansas River continued to take a broad term approach as it has done in past years. In 2007, the City of Wichita continued to do education through the use of mass media public service announcements and programming on the City of Wichita's TV Channel 7. Public Service Announcements made on Channel 7 are documented in Appendix C.

The City of Wichita is also continuing its education efforts at the federal and state levels. Legislation to support education and testing programs by the Equus Bed Groundwater Management District is a major legislative issue for the city. The City is continuing to aggressively pursue federal funding to assist in pollution testing, cleanup, and river corridor development.

The City of Wichita realizes a successful education and public information effort about pollution of groundwater and the river involves far more than simply putting a public service announcement on the air. We are aggressively working to build citizen coalitions to support the efforts and spread the word.

City staff visited and reminded food vendors at the Wichita River Festival of Section 16.32.030 of the City Code. This Section lists out specific prohibitions and requirements and the proper procedures for the disposal of food waste and cooking oils. This festival is a ten-day event held in May. A copy of the handout provided to the vendors and the list of vendors' booths visited are documented in Appendix C.

B. Structural Controls

Purpose: To provide a description of the efforts the municipality has made to comply with this section of the permit and our Storm Water Management Program. A discussion of the maintenance activities the municipality had committed to conduct within the Storm Water Management Program versus the actual activities accomplished in the last year are to be address.

Status:

1. Channel Maintenance. In 2007, storm water utility maintenance crews completed projects that resulted in approximately 53,108 cubic yards of erosion repair and bank stabilization to various ditches in the community. In addition to the channel maintenance work outlined above, last year each of our in-town ditches were mowed six times during the mowing season at a cost of $225,000 (See Appendix D).

2. Roadside Ditch Maintenance: The City's Management Program indicated that we would hand clean all of the roadside ditches each year and mechanically clean approximately 54 miles. In 2007, the City met its goal

on hand cleaning and mechanically cleaned a total of 102.56 miles of ditches.

3. Catch Basin Cleaning: In the City's Storm Water Management Program, we committed to hand clean 13,500 catch basins three times a year and use high pressure cleaners to mechanically clean 1,500 catch basins three times a year. This is a total of 45,000 catch basin cleanings that were targeted for each year. In 2007, city crews actually completed the inspection and cleaning of 95,456 catch basins throughout the city. Most of these were cleaned with high-pressure cleaners.

4. Publicly Owned Detention Facilities: In 2007, the City did not officially re-inspect the publicly owned detention facilities other than the mowing inspections. The inspector noted that there were no visible erosion problems. The City Storm Water Utility staff continued to maintain and make some repairs to these facilities as needed.

5. Privately Owned Lakes: During the year 2007, the City has continued to work with the owners of private lakes in our community in an effort to resolve some of the erosion and outlet problems that come up from time to time. In previous Annual Reports, the City indicated its intent to inspect these lakes every four years in order to correct any problems that may exist, including water quality related issues. In 2007, 8 pond inspections or complaint investigations were conducted due to public or self-initiated concerns.

C. Areas of Commercial and Residential New Development or Redevelopment

Purpose: To discuss the efforts the municipality has made to regulate development in compliance with the Storm Water Management Program.

Status: In 2007 the Storm Water Management Division continued to study and evaluate BMP's that could be installed in areas of new development and substantial redevelopment in an effort to reduce principal pollutants in our storm water. Because we are continuing to study these technologies, the City has yet to approve rules or ordinances requiring BMP installation for the reasons outlined below.

The City will address Best Management Practices as required in the new city's new NPDES permit dated October 1, 2007.

On March 29, 2007, the City participated in a webinar provided by the American Public Works Association titled "Let's Get It Right the First Time: Strategies for Effective Stormwater BMP Design and Maintenance. The presentation was held on April 12, 2007. Cahill Associates, Inc. presented a webinar titled "Sustainable Site Design – Porous Pavement & Innovative Stormwater Techniques. Copies of the handouts and roster are provided in Appendix C.

The City of Wichita is considering Low Impact Development Techniques as a non-structural approach to permanent BMP's in newly developing areas. There are obviously many things to consider in the low impact development approach and the City is presently reviewing these concerns In the upcoming year the City and the Equus Bed task force, along with the Wichita Area Builders Association, will continue to evaluate nonstructural techniques that can be used in new subdivisions and areas of substantial redevelopment to reduce storm water pollution in the long term.

D. Public Streets, Roads and Highways

Purpose: To discuss the efforts that the municipality has made to minimize the discharge pollutants from streets including de-icing and sanding activities. Discuss the activities the municipality has committed to accomplish within the Storm Water Management Program compared with actual accomplishments.

Status:

1. The following table compares the street sweeping activities, both proposed and accomplished:

Work Task	Goal	2007 Completed
Residential Street Sweeping	2-3 rounds	2.9 rounds
Arterial Street Sweeping	9 rounds	9 rounds
Downtown Street Sweeping	3 per week	110 times

Additionally, we would like to note that the State of Kansas Department of Transportation is responsible for litter pick-up and street sweeping on I-135, I-235, and K-96. The City of Wichita is responsible for litter pick-up on Kellogg. As we understand it, the State has contracted their work to a private entity.

2. Litter Control: The City's Storm Water Management Program proposed to maintain the prior level of service in picking up litter within our city. We met this goal in 2007.

3. Storm Sewer Pipe: In our Storm Water Management Program, we proposed to clean 685,000 feet of storm sewer with high-pressured cleaners each year. In 2007, the City actually cleaned 1,305,204.5 linear feet (247.2 miles) of pipe.

   In 2007, Storm Water Utility personnel televised approximately 138,755 linear feet of pipe in an effort to determine the condition of the pipe and find any illegal connections. Approximately 635 linear feet of storm sewer line was repaired, and 95,456 catch basins were cleaned (arterial, hotspot and routine).

   It is also worth noting that the Stormwater Utility has incomplete records of our stormwater sewer lines. Currently the stormwater sewer lines are all located in books. The process to locate a line is a manual system, very time consuming, and expensive. IT/IS worked with Engineering during 2007 to evaluate what is needed and the processes that can be done in-house verses what an outside firm could assist on to convert the manual data to an electronic format. Placing this information on a GIS layer will enhance the ability to timely retrieve this information and at a lesser manpower cost than is currently available. Once the information is on the GIS system, hot spot areas will be easier to determine and recurring problems to ascertain. This will enable the City to provide better service to citizens by taking care of problems before there is a major issue. Also the processing time for contractors to receive the proper permit for installation of stormwater sewer lines would be shortened. When this project is

completed a comprehensive electronic GIS record will be available of stormwater discharge points throughout the City.

In 2007 the City of Wichita Public Works Department hired Carlson-Baughman to survey all storm water structures and pipes 8-inches in diameter and larger for the area bound between the Wichita Drainage Canal to the east, the Wichita Valley Center Flood Control to the west and I-235 to the north and south. The collected pipe and structure attribute data is being populated into a stormwater personal geodatabase, with the City's Enterprise GIS database being updated monthly with this new data. Currently, Carlson-Baughman has surveyed 8,924 structures and anticipates completing the Phase 1 collection area by fall 2008. Public Works Engineering plans to contract the collection of the remainder of the City in summer 2008 with the entire City's Stormwater GIS layer being completed by 2011.

4. Snow and Ice Control: In 2007, city street maintenance personnel continued to inspect and make improvements in the maintenance of salt storage facilities. All operators of city snow and ice removal equipment received training prior to the beginning of the snow and ice season. Sand and salt distribution equipment was calibrated at that time.

   The application of salt brine as pre-treatment on bridges has been an established practice for snow and ice removal in 2007. This brine is applied to reduce the application rates of dry salt and sand. The brine adheres to the surface instead of running off and prevents bonding of ice to the bridge deck. This helps prevent icing of the bridges and less material is required to keep them from becoming hazardous. This is a process used by many Highway agencies to provide improved response to freezing precipitation and to reduce the amount of salt used for deicing during winter storms. The City has two brine-mixing facilities, one at the Central Maintenance Facility and one at the West Substation. Each facility has a calibrated brine production system and a ten thousand gallon holding tank for a brine solution.

   The effectiveness of this approach for snow and ice control has been proven in other agencies, including KDOT.

5. Vegetative Management: In 2007, the City of Wichita treated 1,168.55 acres of land with herbicides, mainly to control noxious and broad leaf weeds along the Wichita/Valley Center flood control project. Only EPA approved herbicides were used.

E. Flood Control Projects

Purpose: To discuss the progress towards the development of a study to determine the cost and benefits of improving existing storm water detention facilities to reduce the discharge of principal pollutants of concern.

Status: As reported in prior annual reports, the Storm Water Management staff regularly inspects all city owned detention facilities. Generally speaking, very few problems exist at these facilities. At some facilities, some minor reseeding needs to be done periodically on the banks in isolated spots. A few of the outlet structures periodically have minor amounts of trash and debris in them and are

periodically cleaned out. As noted in past annual reports, the large detention facility located at the intersection of K-96 and I-135 continues to be developed as a major recreational facility by the City.

As the City studies various BMP's that might be effective in reducing the principal pollutants of concern from storm water, we plan to consider retrofitting our existing detention facilities, if possible, with these BMP's. The City completed a major project along the Wichita Drainage Canal to reduce bank erosion and improve the flood carrying capacity of this ditch. The Master Drainage Plan for the Cowskin Creek Basin will undoubtedly result in more of this type of work throughout the city. As was the case in previous years, the City continues to work with various private groups that are interested in performing major cleaning activities along our waterways.

F. Application of Pesticides and Fertilizers

Purpose: To discuss the efforts the municipality has made to reduce the discharge of pesticides in compliance with the Storm Water Management Program. To provide confirmation that all employees of the municipality that apply herbicides have current certifications or are under the direct supervision of some- one who is currently certified to apply pesticides, as provided by the Kansas Pesticide law.

This section provides documentation of the public education program informing the public about the proper use of pesticides and fertilizers, and the proper disposal of these substances and their containers.

Status: Currently, the responsibility for the application of any herbicides at city facilities would fall on the Park and Recreation and Public Works Departments. All employees applying these chemicals have the appropriate State certification as evidenced in Appendix E. In order to obtain these certificates, each employee is required to complete the prescribed training course and exam.

The database for commercial herbicide and pesticide applicators has not changed substantially since it was originally done in 1998. As required by our Storm Water Management Program, we did randomly pick 11 applicators on the database and inspect their facilities. A summary of the inspections reports can be found in Appendix F.

G. Illicit Discharges

Purpose: To discuss the City's program of detecting and removing illicit discharges to the storm sewer system along with the summary of the illicit discharges found and the status of their disconnection. To address the efforts made in reviewing the status of dry weather flows.

Status: The City's storm water discharge permit requires inspection of 10 high risk "SARA" industries, 15 general industries, and 10 commercial applicators of pesticides and herbicides. In 2007, the City exceeded those requirements by inspecting 12, 20, and 14, respectively (see Appendix F). Additionally, in the course of conducting industrial wastewater discharge permit inspections; the city pretreatment staff addressed storm water issues and cross-connection issues at an additional sixty-one industries. Inspection results that include a brief statement of the results for all categories are listed in Appendix N. Inspection of commercial

applicators of pesticides and herbicides were selected as we did previous years, that is to say the seven largest operations were reinspected in 2007.

In addition to the above, City personnel inspected 23 reports of situations that could have had detrimental impacts on storm water. A listing of those 23 investigations plus Environmental Service Department's work is included in Appendix G.

H. *Spill Prevention, Containment and Response*

Purpose: To discuss the City's spill response program. All spills that were washed in part or in total into the storm sewer must be summarized with information which includes: identification of material spilled, estimated quantity washed into the storm sewer, and any obvious adverse impact on the receiving stream.

Status: In 2007, the Wichita Fire Department responded to over 36,000 emergency incidents. Notification for the vast majority of these incidents was received through the 911 Emergency Communications Department. Included in these 36,000 plus incidents, 253 were of incidents that involved, or potentially involved, spilled or leaked materials that could be hazardous to our community and/or the environment.

The Wichita Fire Department provides a multi-faceted response to these types of incidents. The nearest engineer's squad responds, assumes command of the incident and begins an assessment of the critical factors involved. The Hazardous Material Response Team (HMRT) members from both the Wichita Fire Department as well as the Sedgwick County Fire Department respond as needed to assist in this analysis and perform any emergency response measures, which are deemed necessary. Crews coordinate closely with the Wichita Department of Environmental Services regarding their assessment of any actions at the scene. Incident reports for each incident are filed with the Wichita Fire Department's data processing center to document the actions taken by the Wichita Fire Department crews. Copies of the report for spills that could reach the storm sewer system are forwarded to the Division of Storm Water Management.

Company officers for the Wichita Fire Department receive annual refresher training in the basics of hazardous materials response. In addition, the HMRT members receive specialized training in hazardous materials response on a monthly basis.

In 2007, the Storm Water Management received 253 spill reports from the Wichita Fire Department. These reports can be broken down as follows:

Incident	No. of Wash Downs
Auto Accidents	2
Service stations/convenience stores	1
Unknown	1
Total:	4

See Appendix H for more details on wash downs. Two hundred forty-nine incidents were cleaned up with the use of absorbents and/or had no storm water impact.

In addition to the actions taken by the Wichita Fire Department to contain spills that occurred, the Storm Water Management staff also worked with industries

during our industrial inspections to be sure that systems were available on site to contain spills of hazardous material should they occur.

I. Public Education (Illicit Discharges, Used Vehicle Fluids, Toxic Materials)

Purpose: To discuss the public education program, to encourage the reporting of illicit discharges and improper disposal of material to the storm sewer drainage system. The program used to educate the public and the proper disposal of used motor vehicle fluids and household hazardous waste should also be addressed. An estimation of the effectiveness of these public education programs should also be included.

Status: Information on public service announcements made on the City of Wichita's TV Channel 7 and visits made to River Festival food vendors is provided in Section II.A above. Therefore, this section addressed the household hazardous waste and recycling programs in the community and our public educational efforts in those areas.

In addition to the above, City staff was also involved in numerous public displays in the community in 2007 and made many public presentations concerning storm water pollution, the household hazardous waste program, and the recycling program. A listing of those events is as follows:

A. Public Displays

- Water Utilities & Environmental Services had booths at Wichita Home Show, February 1-4.

B. Public Presentations:

- 43 Scheduled talks and presentations made at the W.A.T.E.R. Center to groups of adults and children (1363 total).
- E.A.R.T.H. – Staff participated in the two-day workshop held on April 24 and 25. 422 Students from nine schools participated.
- Project Re-Directory – Staff coordinated the 2007 phone book collection and recycling drive. On September 11, 4,360 pounds of old directories were recycled.
- River Trash Rounds – Staff planned, coordinated and publicized the May 5 River Trash Roundup. This event was sponsored in conjunction with Earth Day, Sierra Club, Riverside Neighborhood Association and the Ark River Task Force.
- Staff created materials and judged the local level of the Science Olympiad Awesome Aquifer competition. The local event was held on February 24 with fifteen teams competing. The state competition was held on April 17 with 27 teams participating. Staff assisted also at the National competition, which was held on May 15. Sixty teams from 40 states participated.
- World Water Monitoring Month – Staff planned, coordinated and publicized the W.A.T.E.R. Center and ARC effort from September 18 to October 18. Twenty-four sites were tested and information uploaded to the National reporting site.
- City and County staff coordinated the TreeCycle program. The drop-off sites were city property while the County conducted the 1006/2007 program.
- Two seminars for irrigation staff and landscape architects were held on February 15 and July 31.

- Rain Garden Training – The W.A.T.E.R. Center was the site for the February 6 Kansas Association of Conservation & Environmental Educators Water spout Workshop. Participants learned how to teach children about storm water runoff using rain gardens on school properties.
- An Overview of the Stormwater Program was presented to the Ark River Task Force on July 24, 2007.

C. Public Handouts: Educational information, brochures and lagniappes given away during 2007 totaled 4012. Inserts were also included with City of Wichita water bills during the month October. The total inserts sent out were 133,000.

Detailed information on the above presentations and the brochures distributed can be found in Appendix C.

J. Cross-connections Between Sanitary and Storm Sewers

Purpose: To provide a summary of cross-connections between sanitary sewers and storm sewers which have been identified in the last year. A narrative explanation of the present status of these cross-connections and their potential for elimination should be included. A summary of any sanitary sewer lines, which have been identified within the last year as infiltrating the storm sewers, should be provided with a narrative explanation of the actions taken to correct the problem. If corrections have not previously been made, a schedule to achieve such correction should be included in the report.

Status: The cross-connection issue is important, especially when it is considered in conjunction with the development of TMDL's for the Lower Arkansas River Basin, and the effort that is currently underway within the City of Wichita to find the sources of the fecal coliform contamination in the Arkansas River. Related to the cross connection issue is the number of sewer bypasses that occurred for various reasons. The Department of Water Utilities, as required by State Law, documents bypasses of the collection system. These events are known as sanitary sewer overflows (SSO). Included in this report, in Appendix I, is a summary of the SSO reports for 2007 from the Department of Water Utilities. It is difficult to attribute a particular SSO event to an elevated fecal coliform level in the Arkansas River. Sanitary sewer overflows are usually low volume (500 to 1,000 gallons) and often do not have direct drainage access to the river. The City continues to aggressively pursue collection system maintenance and cleaning activities. In addition, many large interceptors in the city are or have been recently rehabilitated resulting in fewer SSO surcharges.

The City of Wichita's sewer collection system maintenance activities include flushing, cleaning and knifing, chemical root treatment, and biological treatment for grease. Sewer employees routinely inspect sanitary sewers using televising cameras to seek out interconnections to the storm drain system and any other condition that might allow sanitary sewer water to drain to the river. Maintenance crews correct defects as soon as they are discovered.

The data below indicates the preventative maintenance activities for 2007:

Sewer Maintenance	Number of Incidents 2007
Stoppages and Bypasses	228
Feet of Sewer Lines Cleaned	2,122,682
Feet of Sewer Treated for Roots	359,139
Feet of Sewer Lines Flushed	9,285
Feet Televised	642,546
Manholes Inspected	8,592
Line Repairs	89
Siphons Treated for Grease	0
Sites Check for Infiltration Inflow	2361
Inflow & Infiltration Sources Removed	29
Feet of Sewer Lines Smoked Tested	105,991

K. Monitoring Industrial and High Risk Runoff

Purpose: To provide a summary of the inspections and storm water monitoring reports of industrial facilities as required by the City's permit. Information concerning the discharge or potential discharge of pollutants as required under 40CFR 122.21(g)(7)(III-IV) should also be provided.

Status: Section II.G above discusses the industrial inspections that were performed in 2007. A summary of the industrial inspections is included in Appendix F.

All storm event tests results are shown in Appendix L.

In addition to our work with private industries, the City has also been proactive in monitoring conditions at its own industrial sites throughout our community. This effort will continue in the future.

L. Construction Site Runoff

Purpose: To provide a summary of the program implemented, to reduce the discharge of pollution from construction sites consistent with the Storm Water Management Plan. Include a discussion of the educational material and training provided to construction site operators and planning procedures, which have been implemented, to minimize adverse water quality impact.

Status: In 2007, the City continued its efforts to enforce the provisions of our Storm Water Pollution Prevention Ordinance.

In 2007, the Storm Water Compliance staff inspected over one thousand construction sites. Of these inspections, 530 Notices of Violations were issued to construction companies and/or home owners. No citations were issued. Appendix M provides a summary of the enforcement actions taken by the City of Wichita's Environmental Services Stormwater Compliance Division

M. Legal Authority

Purpose: To discuss the municipalities' authority to meet the requirements as stipulated in the city's permit. Any significant changes in legal authority within the last year should be addressed.

Status: As previously reported, Sedgwick County is now in charge of solid waste management. This includes the recycling and household hazardous waste program. Since theses programs are no longer under the control of the City of Wichita, we feel that these responsibilities should be transferred to Sedgwick County.

N. Storm Water Management Program Resources

Purpose: To address any potential adverse impact on resources for the next year.

Status: During the preparation of the 2007 Operating Budget, there were no major changes made at that time that would impact the resources that the storm water staff would have to comply with our permit conditions.

II. Schedule of Compliance

At this time, the City of Wichita has not been issued any schedule of compliance for deficiencies in our Storm Water Management Program.

III. Revision to the Approved Storm Water Management Program

At the present time, we propose no revisions to our Storm Water Management Program other than to make note of the items discussed above.

IV. Storm Water Monitoring Data

A. Storm Event Sampling

The City met all storm event-sampling requirements, except for an extended drought that prevented the 'Winter" (1st Quarter) sample collection.

Storm event tests results are presented by sampling site and then by sampling constituents. The results are shown in Appendix J and L.

B. Non Storm Event Sampling

The City continues to maintain an aggressive non-storm event-sampling program that was originally started in 1994. This program samples over 21 sites each month and includes all significant water flows in and around the City. Because of the length of the program and the consistency of sampling a considerable amount of data had been produced to reflect the status of storm water in the Wichita area. This data is updated to include 2007 and located in Appendix K.

We have added two sampling constituents of interest to our analyte list. The first addition is the testing for E. coli. This is important because the presence of E. coli may be a better indicator of potential pathogenicity of storm water samples than the presence of Fecal coliform. We are building a database to see if there is a reasonably reliable correlation between the presence Fecal coliform and E. coli. The accumulated data do not produce a reliable correlation as yet. We will

continue E. coli testing in an attempt to find a correlation. E. coli results are included in Appendix L.

Fecal coliform is a principal pollutant that has been sampled weekly since 1994. The city is undertaking an extensive effort to track the sources of fecal coliform. See Appendix L also.

This report provides a summary of the City of Wichita's Storm Water Management Program for the year 2007, our ninth year of operation under our NPDES Storm Water Discharge Permit. The City feels that it has complied with the provisions of the permit. If you have questions concerning anything in this report, please feel free to contact me at (316) 268 - 8355.

Respectfully submitted,

Shawn Maloney
Interim Environmental Compliance Manager
City of Wichita

3-31-08
Date

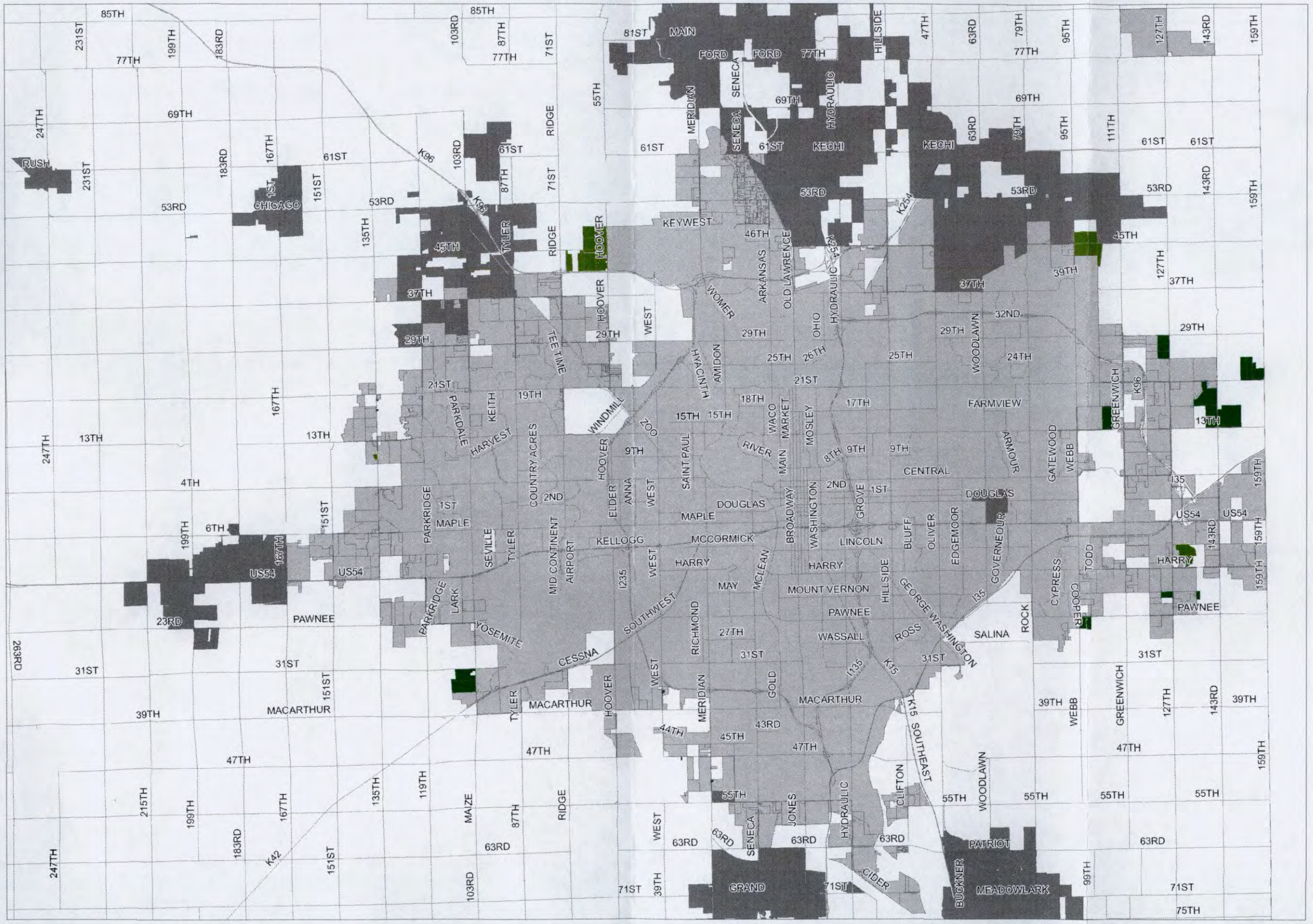
APPENDIX B

Annexation Log
and
City Limit Map

City of Wichita

2007

City of Wichita - 2007 Annexations



2007 City Limits

- Wichita
- Sedgwick County
- All Other Cities
- 2007 Annexations

0 12,500 25,000 50,000 Feet

Software: ArcGIS
Map Data Sources: City if Wichita Sedgwick County
Prepared: 1/24/08

It is understood that while the City of Wichita Data Center Geographical Information Systems Department have no indication and reason to believe that there are inaccuracies in information incorporated in the base map, the Data Center-GIS personnel make no warranty or representation, either expressed or implied, with respect to the information or data displayed.
Note: Public property represented on this map is not intended to be inclusive.

		2 7 Annexation Log
Annexation Case Number		General Description
A06-25	R	A06-25R Request by Dale Graham, of Unified School District No. 385, Rob Ramseyer, of Ritchie Investment Company, and Steven C. Lee, of Lee Builders, Inc., to annex land generally located northwest of the intersection of 21st Street North and 159th Street East. (276302, 276303, 335037, 335038, 276305, 513726, 571600)
A07-01	R	A07-01R Request by Chris Dugan to annex land generally located west of 135th Street West, between 13th Street North and Central Avenue. (252142)
A07-02	R	A07-02R Request by Shonda Chapa, of Rain Link, LLC to annex land generally located east of West Street, between I-235 and MacArthur Road. (317687)
A07-03	R	A07-03R Request by Rob Ramseyer, of Ritchie Development Corp., to annex land generally located southwest of the intersection of 21st Street North and 143rd Street East. (276443)
A07-04	R	A07-04R Request by Douglas Kupper, on behalf of the Wichita Parks and Recreation Department, to annex land generally located east of Meridian between 47th Street South and 55th Street South. (290850)
A07-05	R	A07-05R Request by Justin and Carolyn Radford to annex land generally located southeast of the intersection of 21st Street North and 135th Street West. (252831)
A07-06	R	A07-06R Request by Steve Miller, of JBC Investment Inc., to annex land generally located northeast of the intersection of Harry Street and 127th Street East. (563343 & 559164)
A07-07	R	A07-07R Request by Jay Russell, of R&R Realty, LLC, to annex land generally located northwest of the intersection of K-96 Highway and Hoover Road. (287139, 559455, 287147, 511913, 287162,573083,573084, 558064, 570354)
A07-08	R	A07-08R Request by George E. Laham, of Greenwich 13, LLC, and Kevin Mullen, of Waterfront Residential Company, LLC, to annex land generally located north of 13th Street and west of Greenwich Road. (276421)
A07-09	R	A07-09R Request by Linda Graham, of Socora Land Company, to annex land generally located southeast of the intersection of Pawnee and Webb Road. (574328)
A07-10	U	A07-10R The unilateral annexation of eligible properties generally located north of 13th Street North, to the east and west of 143rd Street East. (District II)
A07-11	R	Water Petitions / Case not processed in 2007
A07-12	R	A07-12R Request by Charles and Connie Woodard, of Charles R and Connie L Woodard Trust, to annex land generally located north of 45th Street North and west of Hoover Road. (287057)
A07-13	R	A07-13R Request by Wanda Klein to annex land generally located south of 47th Street South, between West Street and Meridian Avenue. (317939)
A07-14	R	A07-14R Request by Eugene Vitarelli to annex land generally located southwest of the intersection at 127th Street East and Mount Vernon Road. (276976)
A07-15	I	A07-15R Request by Jay Russell, of R&R Realty, to annex land generally located northeast of the intersection of K-96 and Ridge Road. -island annexation (287159)

A07-16	R	A07-16R Request by Alan Rennick and George Rennick, to annex land generally located northwest of the intersection of 45th Street North and Hoover Road. (287058 & 287175)
A07-17	R	A07-17R Request by Eugene Vitarelli of Palladio Developers, Inc., to annex land generally located north of Pawnee Road, between 127th Street East and 143rd Street East. (276991)
A07-18	R	A07-18R Request by Victor White, Director of Airports, on behalf of the Wichita Airport Authority, to annex land generally located east of Webb Road, to the north and south of 45th Street. (289669, 534175, 289798, 527505)
A07-19	I	A07-19R Request by Cory Shackelford of LCS Enterprises, Inc. to annex land generally located east of 143rd Street East, between Pawnee Road and Harry Street. (island annexation; portion of 277019) / Set for approval in early 2008
A07-20	R	A07-20R Request by John Dugan of John E. Dugan Family Partnership, LP, to annex land generally located southwest of the intersection of Maize Road and 31st Street South. (446822 & 572780)
A07-21	R	A07-21R Request by Allan and Carolyn Hartman to annex land generally located east of 135th Street West, between 21st Street North and 13th Street North. (252845)
A07-22	R	A07-22R Request by Rob Ramseyer of Ritchie Development Corporation & Greenwich/4, LLC to annex land generally located to the southwest of the intersection of 29th Street North and 127th Street East. (509480, 539529, 276326)

Annexation Log

JANUARY 1, 2007 - DECEMBER 31, 2007

Annexation type:

R = Request
U = Unilateral
I = Island (Co. Comm. approval necessary)

Annex. Case Number	Annex Type	Date rec'd./ initiated	Date of 1st Reading	Date of 2nd Reading	Date approved by WCC	Ord. Number	Date of publication	Number of Acres	Sq. Miles added to the city	Total Sq. miles in the city	Existing Population added	Existing housing units added	Appraised value added	Est. City Tax	Projected Appraised Value	Projected City Tax	Projected housing units added	Projected Pop. added	Annexation Report Number
							Revised existing sq. miles as of 12/31/05 =			159.876									
A06-25	I	10/12/06	28/2006 & 2/(	02/13/07	02/13/07	47-354	02/16/07	127.50	0.199	160.075	0	0	$7,960	$75	$25,600,000	$161,804	0	0	1
A07-01	R	02/05/07	03/27/07	04/03/07	04/03/07	47-452	03/30/07	4.43	0.007	160.082	2	1	$344,530	$1,244	$344,530	$1,244	0	0	2
A07-02	R	11/27/06	01/09/07	02/06/07	02/06/07	47-333	02/09/07	1.62	0.003	160.085	2	1	$167,190	$26,543	$1,300,000	$10,207	0	0	1
A07-03	R	12/14/07	01/09/07	02/06/07	02/06/07	47-334	02/09/07	96.69	0.151	160.236	2	1	$159,550	$1,294	$49,600,000	$179,140	155	381	1
A07-04	R	03/02/07	03/27/07	03/03/07	03/03/07	47-453	04/05/07	0.77	0.001	160.237	0	0	$86,880	$0	$86,880	$0	0	0	2
A07-05	R	03/08/07	04/10/07	04/17/07	04/17/07	47-461	04/20/07	0.82	0.001	160.238	2	1	$124,900	$451	$124,900	$451	0	0	3
A07-06	R	03/14/07	04/10/07	04/17/07	04/17/07	47-462	04/20/07	73.34	0.115	160.353	0	0	$4,360	$41	$33,480,000	$120,919	186	458	3
A07-07	R	04/06/07	05/01/07	05/08/07	05/08/07	47-477	05/10/07	275.63	0.431	160.784	2	1	$160,190	$1,321	$55,100,000	$199,004	580	1427	4
A07-08	R	04/09/07	05/01/07	05/08/07	05/08/07	47-478	05/10/07	60.69	0.095	160.878	0	0	$3,520	$33	$66,300,000	$329,339	73	180	4
A07-09	R	04/18/07	05/15/07	05/22/07	05/22/07	47-487	05/24/07	39.28	0.061	160.940	0	0	$7,490	$71	$14,694,000	$89,194	63	155	5
A07-10	U	05/01/07	09/18/07	09/25/07	09/25/07	47-585	10/25/07	187.33	0.293	161.232	547	228	$88,264,880	$319,948	$88,264,880	$319,948	NA	NA	10
A07-11	R																		
A07-12	R	05/10/07	06/05/07	06/12/07	06/12/07	47-495	06/14/07	43.16	0.067	161.300	0	0	$6,470	$61	$9,310,000	$33,625	95	234	6
A07-13	R	05/17/07	07/03/07	07/10/07	07/10/07	47-511	07/13/07	1.01	0.002	161.301	2	1	$115,950	$419	$115,950	$419	0	0	8
A07-14	R	05/17/07	06/05/07	06/12/07	06/12/07	47-496	06/14/07	19.91	0.031	161.333	0	0	$2,740	$26	$6,440,000	$23,259	46	113	6
A07-15	I	05/21/07	10/16/07	10/23/07	10/23/07	47-669	10/26/07	34.44	0.054	161.386	0	0	$2,010	$19	$30,000,000	$235,545	0	0	11
A07-16	R	05/23/07	06/19/07	06/26/07	06/26/07	47-502	06/29/07	5.08	0.008	161.394	0	0	$340	$3	$5,400,000	$42,398	0	0	7
A07-17	R	07/26/07	09/11/07	09/18/07	09/18/07	47-576	09/21/07	10.91	0.017	161.411	0	0	$630	$6	$4,000,000	$14,447	20	48	9
A07-18	R	10/17/07	11/20/07	11/27/07	11/27/07	47-693	11/30/07	187.58	0.293	161.704	0	0	$237,460	$0	$237,460	$0	0	0	13
A07-19	I	10/08/07																	
A07-20	R	10/15/07	11/06/07	11/20/07	11/20/07	47-687	11/26/07	144.56	0.226	161.930	0	0	$29,720	$280	$80,750,000	$634,009	0	0	12
A07-21	R	10/15/07	11/06/07	11/20/07	11/20/07	47-688	11/26/07	0.70	0.001	161.931	2	1	$120,300	$434	$120,300	$434	0	0	12
A07-22	R	10/18/07	11/20/07	11/27/07	11/27/07	47-694	11/30/07	78.94	0.123	162.055	0	0	$15,710	$132	$21,360,000	$77,146	178	427	13
								1394.39	2.179	164.233	564	235	$89,862,780	$352,401	$492,628,900	$2,472,532	1396	3422	

Grand Totals:	# of requests	# of approved requests	# of unilaterals	YTD acres requests	YTD acres unilaterals	Total # of acres	YTD sq. miles added to city	Total sq. miles in city	Total Population	# of housing units annexed	Total appraised value added	Total est. City tax added	Total Projected appraised value after improvements	Total Projected Tax after improvements	Total Proj. homes added	Total Proj. Pop. Added
	21	20	1	1,207.06	187.33	1,394.39	2.179	164.233	564	235	$89,862,780	$352,401	$492,628,900	$2,472,532	1396	3422

APPENDIX C

Public Education Material

City of Wichita

2007

CITY NEWS

CITY OF WICHITA

Community Relations Office
455 N. Main Wichita, KS 67202
(316) 268-4351 FAX (316) 268-4519
www.wichita.gov

DATE: February 9, 2007 **FOR IMMEDIATE RELEASE**
CONTACT: Larry Hoetmer, Park & Recreation Department, 268-4179

*** Media Advisory ***

WHAT: Arkansas River Corridor Access Plan Public Meeting
WHEN: Tuesday, February 13 from 7 – 9 PM
WHERE: Minisa Park Shelter, 704 West 13th Street
(west of the Arkansas River on 13th Street)

Public Meeting to Guide River Accessibility

WICHITA – The Arkansas River Coalition, several municipalities, counties, and various user groups, are developing a Master Plan for recreational use of a 100-mile reach of the Arkansas River from Oxford, KS to the Reno/Rice County Line. The Master Plan will provide a blueprint for developing access points at desired intervals in a way that protects the natural amenities and character provided by the Arkansas River while maximizing cost-effectiveness of limited funding resources. Residents are encouraged to be part of planning to discuss possible recreational use on the Arkansas River such as canoeing, kayaking, hiking, biking, wildlife viewing and fishing.

The guiding vision of this project is: "to establish the Arkansas River as a premiere recreational amenity for the state and for the region." This vision holds the promise of economic development, enhanced recreational opportunities, and protection of natural resources and water quality.

Other meetings held in the region include a meeting in Oxford, Kansas at the Oxford High School from 7 – 9 PM on Monday, February 12. Another meeting will be running concurrently in South Hutchinson, Kansas from 7 – 9 PM on Monday, February 12 at the Mennonite Church at 808 South Poplar Street. The Wichita meeting on February 13 will be the third regional meeting. Additional meetings will be in scheduled in April.

Detailed plan information can be viewed at the City of Wichita website at www.wichita.gov or by clicking here: www.visioneeringwichita.com/arkriveraccess. For more information about the plan or the meeting, contact Larry Hoetmer, Park & Recreation Department at 316.268.4179.

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CITY OF WICHITA

CITY NEWS

Community Relations Office
455 N. Main Wichita, KS 67202
(316) 268-4351 FAX (316) 268-4519
www.wichita.gov

DATE: March 5, 2007 **FOR IMMEDIATE RELEASE**
CONTACT: Kay Johnson, Environmental Services, 268-8351

WATER Center Receives Educational Award

The Wichita Area Treatment, Education, and Remediation (WATER) Center has been awarded the Excellence in Conservation and Environmental Education Award by the Kansas Association for Conservation and Environmental Education (KACEE).

The award will be presented to City representatives on Friday, March 30, 2007 in Topeka. Nominated by peers of the state's environmental education field, the WATER Center was praised for outstanding leadership, achievement, collaboration and dedication to "environmental education in Kansas, " KACEE President Cindy Ford said.

"Environmental education is an important endeavor that we feel is critical to helping preserve and protect Wichita's environment and water resources," Kay Johnson, the City of Wichita Environmental Services Director, said.

The WATER Center, which opened in October 2003 at 101 E. Pawnee, was founded after groundwater pollution was discovered in downtown Wichita. The Center's main purpose is to treat groundwater and to promote groundwater protection, education and conservation, so that natural resources will be protected. Visitors learn how groundwater can become contaminated and are able to see the actual treatment process. The treated groundwater is then used for watering the Herman Hill Park and the City's many landscaped areas as well as the Center's fountains, the 1,400-gallon indoor aquarium for small Kansas aquatic creatures and for the 11,000-gallon for Wichita's largest public outdoor aquarium filled with native Kansas fish.

The WATER Center also offers a variety of environmental education programs and tours. The public can check out kits on topics such as rivers and streams, wetlands, geology, and wildlife, and Family Adventure Packs, backpacks that visitors may use as they explore the Center and Herman Hill Park. The Center has notably seen a steady increase in attendees: 1,296 in 2003, 4,688 in 2004, 6,012 in 2005 and 6,765 in 2006.

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CITY NEWS

CITY OF WICHITA

Community Relations Office
455 N. Main Wichita, KS 67202
(316) 268-4351 FAX (316) 268-4519
www.wichita.gov

DATE: April 20, 2007 **FOR IMMEDIATE RELEASE**
CONTACT: Larry Hoetmer, Park & Recreation Department, 268-4179

Second Public Meeting Planned for Regional Arkansas River Accessibility

WICHITA – The series of public meetings across the region continue next week for the Arkansas River Corridor Access Plan (ARCAP). The second meeting hosted in Wichita is on Tuesday, April 24 from 7 – 9 PM at Linwood Park Recreation Center at 1901 S. Kansas. There will also be a meeting in Hutchinson on Monday, April 23 and in Oxford on Wednesday, April 25. The first meeting had some discoveries, including:

- Canoeing, kayaking, wildlife viewing and fishing were identified as compatible recreational uses for this public waterway.
- Attendees expressed both support and concern about enhancing access to the river.
- A technical workshop held in late March focused on providing access to the river through public owned property; types of accesses and their associated site amenities, river water levels and floatability; and how to provide recreational use through the Wichita section of the river.
- The final Master Plan will guide future location and development of public access sites in a way that protects the natural amenities and character provided by the Arkansas River while minimizing user/landowner conflicts.

The Arkansas River Coalition, several municipalities, counties, and various user groups, are developing this Master Plan for recreational use of a 100-mile reach of the Arkansas River from Oxford, KS to the Reno/Rice County Line. The Master Plan will provide a blueprint for developing access points at desired intervals in a way that protects the natural amenities and character provided by the Arkansas River while maximizing cost-effectiveness of limited funding resources. Residents are encouraged to be part of planning to discuss possible recreational use on the Arkansas River such as canoeing, kayaking, hiking, biking, wildlife viewing and fishing.

Detailed plan information can be viewed at the City of Wichita website at www.wichita.gov or by clicking here: www.visioneeringwichita.com/arkriveraccess. For more information about the plan or the meeting, contact Larry Hoetmer, Park & Recreation Department at 316.268.4179.

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Arkansas River Corridor Access Plan (ARCAP)

Master Plan Process

What's Happening

- Public comment was received from citizens, landowners and user groups, who participated in February's public meetings held in Oxford, South Hutchinson, and Wichita. At these meetings, canoeing, kayaking, wildlife viewing and fishing were identified as compatible recreational uses for this public waterway. Attendees expressed both support and concern about enhancing access to the river.

- A technical workshop held in late March focused on providing access to the river through public owned property; types of accesses and their associated site amenities, river water levels and floatability; and how to provide recreational use through the Wichita section of the river.

- The final Master Plan will guide future location and development of public access sites in a way that protects the natural amenities and character provided by the Arkansas River while minimizing user/landowner conflicts.

- To learn more about the public meetings and this project, please visit our website: www.visioneeringwichita.com/arkriveraccess

How to Learn More

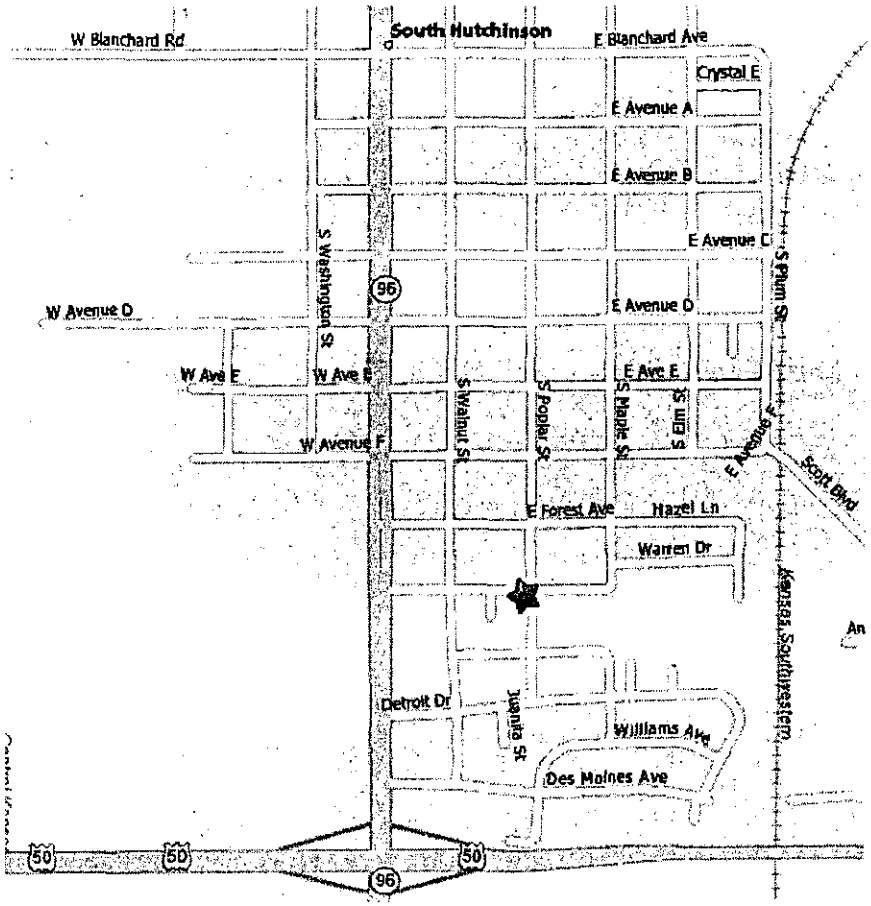
- The project partners would like to encourage residents to continue to be a part of recreational planning for the river corridor. A second public meeting (held in three locations on three different dates) will be held to show how comments and concerns from the first public meeting have been integrated into the overall corridor plan. The same information will be available at each of three locations to increase access to the planning process. All meetings are free and open to the public. Dates and locations are listed below.

Date:	**April 23, 2007**	Date:	**April 24, 2007**
Time:	**7:00 to 9:00 p.m.**	Time:	**7:00 to 9:00 p.m.**
Location:	**South Hutchinson, KS** **The Mennonite Church** **808 S. Poplar St.**	Location:	**Wichita, KS** **Linwood Park Rec. Center** **1901 S. Kansas St.**

Date:	**April 25, 2007**
Time:	**7:00 to 9:00 p.m.**
Location:	**Oxford, KS** **Oxford High School Commons Area** **515 N. Water Street**

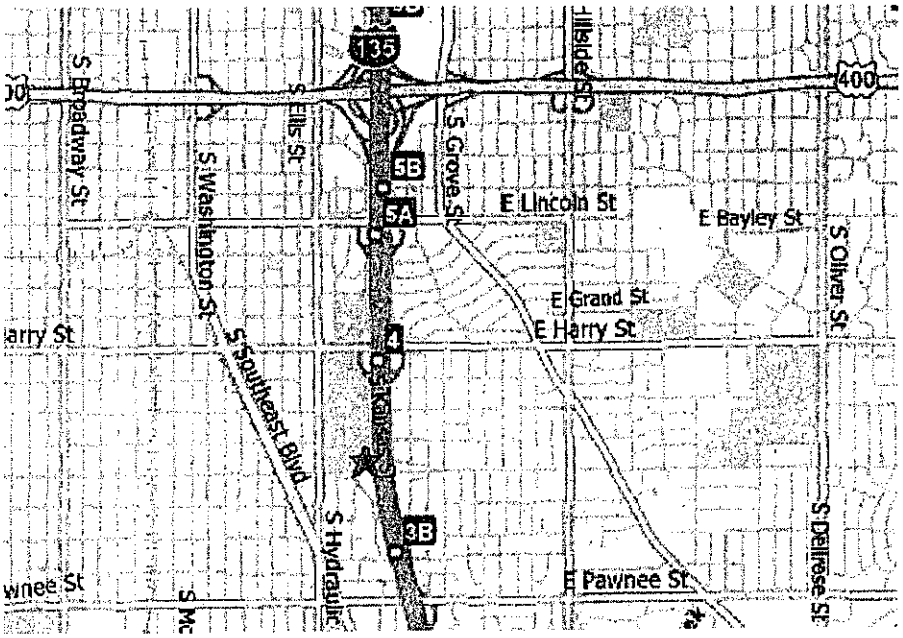
For more information contact:

Tom Huntzinger, Project Manager
Applied Ecological Services
Phone: 1-800-921-0284
tom.huntzinger@appliedeco.com



Aril 23, 2007
7:00 – 9:00 pm

The Mennonite Church
808 S. Poplar St.
South Hutchinson, KS



April 24, 2007
7:00 – 9:00 pm

Linwood Park
Recreation Center
1901 S. Kansas St.
Wichita, KS

April 25, 2007
7:00 – 9:00 pm

Oxford High School
Commons Area
515 N. Water Street
Oxford, KS

CITY NEWS

CITY OF WICHITA

Community Relations Office
455 N. Main Wichita, KS 67202
(316) 268-4351 FAX (316) 268-4519
www.wichita.gov

DATE: May 3, 2007 **FOR IMMEDIATE RELEASE**
CONTACT: Libby Albers, Environmental Specialist, Environmental Services, 337-9262

Help the Arkansas River Shine in time for River Festival!

What: **River Trash Round-Up**

When: **Saturday, May 5, 10 a.m. to Noon**

Where: **Meet in the SE corner of the Lawrence-Dumont Stadium parking.**

Environmental Services is coordinating the 6th Annual "River Trash Round-Up." Numerous civic and private organizations such as the Sierra Club, the Arkansas River Coalition, the South Central Improvement Alliance and Bank of America employees are joining in the clean-up effort. The City of Wichita will provide gloves and trash bags for volunteers as well as a packer truck to collect debris. Previous clean-up events have recovered over a ton of trash from the river and its banks.

Everyone is encouraged to join the River Trash Round-Up! This will also count for community volunteer hours for those students who are nearing the end of the school year and needing time. Be sure to bring the appropriate paper work for signature.

The City of Wichita also wants to remind those that will attend the River Festival to take out what you bring in to keep Wichita clean.

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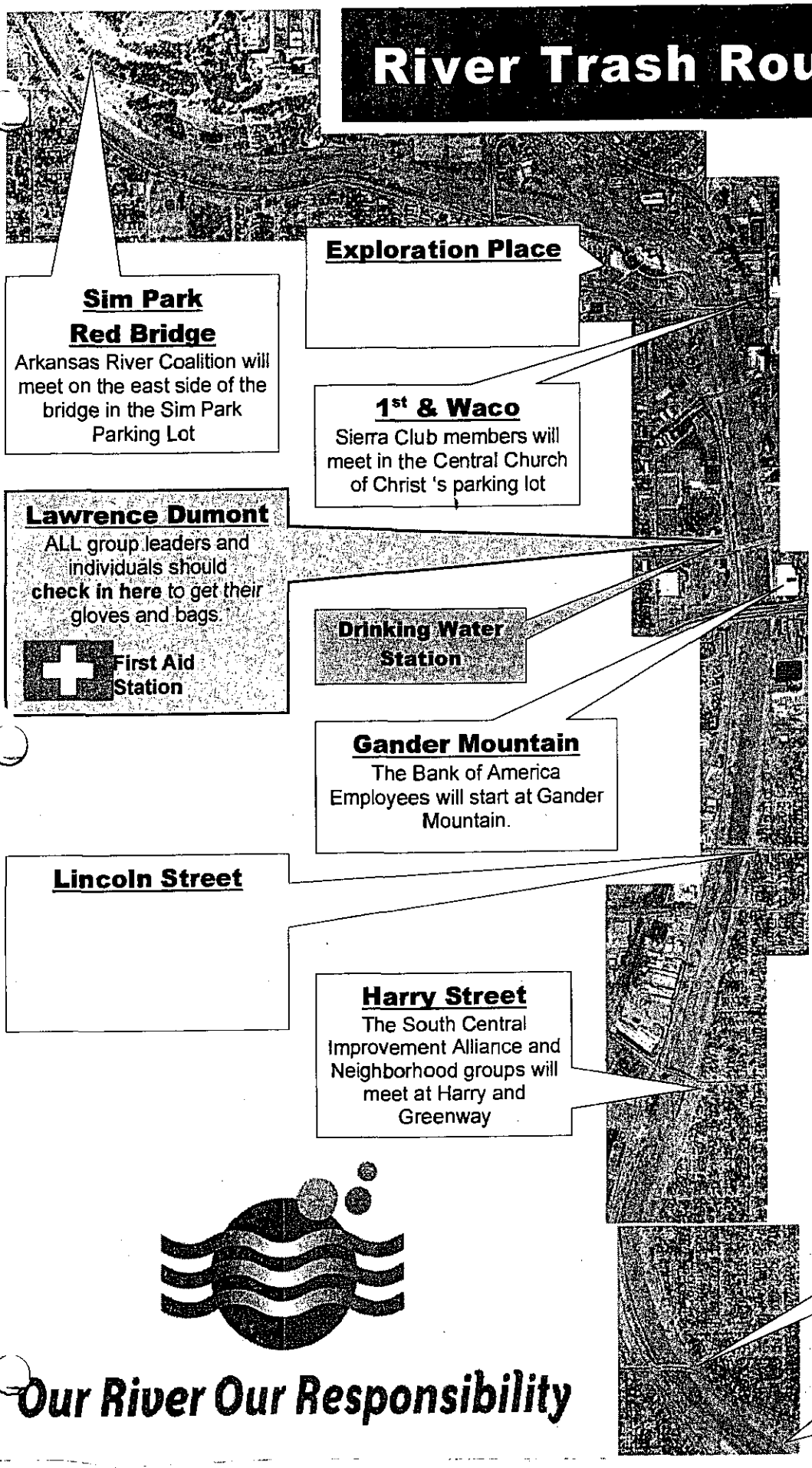
River Trash Round Up



Date:
May 5, 2007

Time:
10 AM - Noon

Instructions:

- Wear sturdy shoes and clothes that can get dirty
- Wear sunscreen, a hat and insect repellent
- You may bring tools such as rakes or nets for grabbing trash
- Bring water or something to drink
- BE SAFE!
- Pick up gloves and bags at the Lawrence Dumont Check-In Station
- Check out with your group or at the Lawrence Dumont Station

Sim Park
Red Bridge
Arkansas River Coalition will meet on the east side of the bridge in the Sim Park Parking Lot

Exploration Place

1st & Waco
Sierra Club members will meet in the Central Church of Christ 's parking lot

Lawrence Dumont
ALL group leaders and individuals should **check in here** to get their gloves and bags.

First Aid Station

Drinking Water Station

Gander Mountain
The Bank of America Employees will start at Gander Mountain.

Lincoln Street

Harry Street
The South Central Improvement Alliance and Neighborhood groups will meet at Harry and Greenway

Pawnee Street

Herman Hill Park

Our River Our Responsibility

CITY NEWS

CITY OF WICHITA

Community Relations Office
455 N. Main Wichita, KS 67202
(316) 268-4351 FAX (316) 268-4519
www.wichita.gov

DATE: May 11, 207 **FOR IMMEDIATE RELEASE**
CONTACT: D. Kay Johnson, Director, Environmental Services, 268-8351

Don't Boat on Arkansas River

High Flows Cause City Flags to Fly Orange

The City of Wichita agrees with Wichita Festivals; the Arkansas River is not safe for recreation this weekend, May 11-13. The Arkansas River through Wichita has a current flow of 9,950 cubic feet per second. This flow level is almost 20 times the daily average flow of 537 cubic feet per second. These flows represent dangerous velocities and currents along all of the river and especially at obstructions such as bridges.

Kay Johnson, Environmental Services Director, said, "We will be flying the orange River Festival flags along the Lewis Street and Douglas Street bridges to warn citizens to stay away from the river's edge. High flows are the main concern. We don't want anyone in the water. There is danger due to debris and tree limbs being carried by the swift flow. The bridges and dams cause currents that could pull a good swimmer under the river's surface. "

Normally, the different colored flags are used daily during the Wichita River Festival to inform the public about river water quality based on daily testing. Environmental Services uses the following established criteria for three levels:

1. **Blue** - water is suitable for recreational use;
2. **Green** - suitable for use subject to advisory conditions; and
3. Orange - river use is restricted subject to an extraordinary event.

Johnson says, "This year, we are adding flow as an unusual or extraordinary event." The flags are displayed at the Douglas and Lewis Street bridges for the public's knowledge. Environmental Services will also post the information on its website at http://www.wichitagov.org/CityOffices/Environmental/River/RiverStatus.htm.

#

CITY NEWS

CITY OF WICHITA

Community Relations Office
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DATE: May 14, 2007 **FOR IMMEDIATE RELEASE**
CONTACT: D. Kay Johnson, Director, Environmental Services, 268-8351

Arkansas River: Green Flags Are Flying

Suitable for recreation use, subject to advisory conditions

Kay Johnson, Environmental Services Director, announced on Monday that the Arkansas River is suitable for recreational uses so Green flags are flying. Unsafe and high flow levels caused City officials to raise Orange flags on Friday and throughout the weekend. While flows are down considerably, caution should still be exercised all week during River Festival due to water velocities and currents especially in the vicinity of structures.

The different colored flags are used daily during the Wichita River Festival to inform the public about river water quality and flow based on daily testing. Environmental Services uses the following established criteria for three levels:

1. **Blue** - water is suitable for recreational use;
2. **Green** - suitable for use subject to advisory conditions; and
3. **Orange** - river use is restricted subject to an extraordinary event.

Recent results indicate that the river water quality is safe for recreation so long as basic personal hygiene practices are followed. These practices include:

- Avoid swallowing river water
- Wash hands before eating or drinking
- Shower or rinse off if you've had full body exposure in the water
- People who have recently undergone surgery, have open cuts or sores, or suffer from a chronic illness should avoid contact with the water.
- People participating in events on the water are also urged to wear life preservers, follow safe boating practices and avoid use of alcohol.

The flags are displayed at the Douglas and Lewis Street bridges for the public's knowledge. Environmental Services will also post the information on its website at: http://www.wichitagov.org/CityOffices/Environmental/River/RiverStatus.htm.

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CITY NEWS

CITY OF WICHITA

Community Relations Office
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(316) 268-4351 FAX (316) 268-4519
www.wichita.gov

DATE: June ~~20~~ 18, 2007 **FOR IMMEDIATE RELEASE**
CONTACT: Libby Albers, Environmental Specialist
337-9262

****Media Advisory****

What: **Little Arkansas River "Pick Up and Paddle" Cleanup Event**

When: **Saturday, June 23, 9 a.m. to 11 a.m.**

Where: **Meet in the North High Parking Lot**

Clean up to occur along the Little Arkansas River both North and South of the high school.

Who: **Many great volunteers!**

Help Keep the Little River Beautiful!

The City of Wichita is coordinating a "Pick Up and Paddle" clean up event in cooperation of National River Clean Up Week. Join neighbors, friends or meet someone new and help with a clean sweep along the Little Arkansas River. Volunteers are encouraged to come walk the banks of the river or bring a canoe.

Numerous civic organizations such as the Wichita Paddlers and the North Riverside Neighborhood Association are joining in the united clean-up effort. The City will provide gloves and trash bags for the volunteers and a packer truck to pick up debris.

- MORE -

Government Relations Office
455 N. Main Wichita, KS 67202
(316) 268-4351 FAX (316) 268-4519
www.wichita.gov

We need your help! Help celebrate National River Clean Up Week and make Wichita even more beautiful. National River Cleanup Week is sponsored by American Rivers and kicks off a series of community-based stream cleanups. This annual event raises public awareness of the magnitude of trash accumulating in our nation's waterways. Wichita's "Pick Up and Paddle" event will be part of a national effort that includes tens of thousands of volunteers taking part in hundreds of cleanups across the country to remove trash from local rivers and streams. Learn more about National River Cleanup Week at www.nationalrivercleanup.org.

Volunteers should wear or bring the following:

- Sensible shoes with traction
- Water bottle and snack
- Sunscreen

Everyone is encouraged to *join* the "Pick Up and Paddle" event! This will also count for community volunteer hours for students needing service time. For more information, call the WATER Center at 337-9262.

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CITY NEWS

CITY OF WICHITA

Community Relations Office
455 N. Main Wichita, KS 67202
(316) 268-4351 FAX (316) 268-4519
www.wichita.gov

DATE: October 12, 2007 **FOR IMMEDIATE RELEASE**

CONTACT: Gail Williams, Asst. to Director of Public Works, 268-4497

CORE AREA DRAINAGE PROJECT BEGINS OCT. 16

The City of Wichita has contracted with Wildcat Construction Co., Inc. to construct a new storm water sewer serving the Core Area (between I-135, the central rail corridor, Waterman and Central). Work is planned to begin on Tuesday, Oct. 16. The project will extend a concrete box drain along Douglas from the Wichita drainage canal to Wabash (one block eat of Washington), and then north and west into Old Town. Traffic on Douglas, Hydraulic, Washington and 1st Street will be affected at different times during the 17-month project.

The existing drainage system in most of the area was constructed in the 1920's and has a history of flooding in certain locations following heavy rains. The 1st and 2nd Street railroad underpasses, for example, have frequently caused motorists to stall out in two feet of water or more.

The project will provide a new storm sewer main with the capacity for future storm water improvements. The new storm sewer will also intercept a large portion of the drainage north of Douglas, improving drainage on Douglas and reducing the load on the drainage systems in Lewis and Waterman. The project will require pavement to be replaced over the entire route. Sanitary sewer and water line work will also be done as part of the project.

Construction will begin Tuesday, Oct. 16 on Douglas at the Wichita drainage canal (I-135) and proceed west to Wabash. Three- to four-block stretches of Douglas will be restricted to two lanes of traffic (one-lane each direction). Construction through the Douglas and Hydraulic intersection will require an estimated 10-day closure of the intersection to north/south Hydraulic traffic. Work affecting traffic on Douglas is projected to be complete by June 2008.

Work will continue north on Wabash and west 3rd Street to Mead, with a projected completion date of February 2009. Traffic on 3rd Street will be restricted to one lane, and construction through the 3rd and Washington intersection will require an estimated 10-day closure of the intersection to north/south Washington traffic.

The estimated project cost for the drainage and paving work is $7,840,000, with $6,490,000 funded by the Storm Water Utility and $1,350,000 funded by the Old Town Tax Increment Financing District. Wichita Water Utilities will fund approximately $475,000 in sanitary sewer and water line work.

#

CITY OF
WICHITA

CITY NEWS

Community Relations Office
455 N. Main Wichita, KS 67202
(316) 268-4351 FAX (316) 268-4519
www.wichita.gov

DATE: November 28, 2007 **FOR IMMEDIATE RELEASE**

CONTACT: Gail Williams, Asst. to Director of Public Works, 268-4497

LITTLE ARKANSAS RIVER LOWERED FOR MINISA BRIDGE RECONSTRUCTION

The Little Arkansas River level will be lowered beginning Dec. 5 to accommodate reconstruction of the Minisa bridge on 13th Street immediately west of North High School. The river level will remain down for the duration of the project, scheduled for completion by early October 2008.

Much of the reconstruction work has to be done from the riverbed itself, and lowering the water level will expedite that work. It will also help to keep the temporary pedestrian crossing that will be built across the river, north of the bridge, accessible as much as possible.

"We're going to do everything we can to keep this project moving forward" says Gary Janzen, Chief Design Engineer for the City of Wichita.

The project will provide wider driving lanes and a new support structure, while preserving the historic elements of the 75-year old bridge, including the Carthalite images of Native Americans and buffaloes. The work will require the closure of the 13th Street Bridge from January15, 2008 to early August 2008, weather dependant. The bridge and 13th Street will be open to one lane of traffic in each direction during the final phase of the project, August to October 2008.

#

CITY OF WICHITA

INTEROFFICE **MEMORANDUM**

TO: Shawn Maloney, Remediation Assessment Supervisor

Mary Santiago, Administrative Assistant

FROM: Kay Drennen, Water Resource Analyst W.A.T.E.R. Center

SUBJECT: NPDES and Stormwater Management 2007 Public Education Efforts

DATE: February 13, 2008

This is a summation of the Non Point Source pollution information and activities for environmental public education as done by the Department of Environmental Services (DES) W.A.T.E.R. Center staff.

Public Shows:

- Water Utilities booth & Environmental Services Department booth at Wichita Home Show, Feb. 1 – 4, 2007

Other Events & Activities:

E.A.R.T.H.: Staff attended Steering committee meetings, chaired the Presenter's committee, recruited 13 groups of presenters, held a Presenters' Orientation meeting, gave curriculum direction, and worked the 2-day workshop, 4/24 – 4/25, in which 422 students from nine schools participated. Storm Water presenters had activities in the Soils and Water sections of the2-day workshops. Over 2,500 students used the curriculum in their classrooms.

Project ReDirectory: Coordinated the 2007 phone book collection and recycling drive. City Council issued a proclamation in support of the program on 8/21 and ran 3 slides about the benefits of recycling phone directories fro 8/28 though 9/28. On 9/11, City staff recycled 4,360 pounds of old directories (up from 3,580 pounds in 2006).

Science Olympiad Awesome Aquifer: Staff created materials, then judged local level competition on 2/24/07 in which 15 teams competed. Additional materials were created and the state level competition was judged on 4/17/06 with 27 teams participating. Staff then worked with the National Groundwater Foundation and judged the national competition on 5/15/07. Sixty teams from 40 states participated. Students wishing to get high scores had to know the interactions between ground and surface water that leads to the transfer of pollutants.

TreeCycle: City and County staff coordinated the drop-off sites on City property, while the County conducted the '06/'07 program. The public was encouraged to take and use the resulting mulch in landscapes.

River Trash Roundup: WATER Center staff planned, coordinated and publicized the 5/5 River Trash Round up in conjunction with Earth Day. Sierra Club, Riverside Neighborhood Association, and the ARC participated. 1.64 tons of trash was removed from an area demarcated by the Sim Park walking bridge and the Harry Street Bridge.

World Water Monitoring Month: Planned, coordinated and publicized the WATER Center and ARC effort from Sep. 18 through Oct. 18. Twenty-four sites were tested and the information uploaded to the National reporting site.
Rain Garden Training: The WATER Center was the site for the 2/6/07 Kansas Association of Conservation & Environmental Educators Waterspout workshop where participants learned how to teach children about storm water runoff using rain gardens on school properties.

Talks & Presentations made at the W.A.T.E.R. Center to Adult & Children Groups: Forty-three talks, tours and activities that included storm water information were given to 1,363 adults, students and children in the Wichita community.

Educational Information, Brochures & Lagniappes given away: 4012 (which included recycling guides, landscape care and irrigation guides, watershed protection information and National Flood Insurance Program information.)

Provided Information, Help & Referrals to Citizens: 44

W.A.T.E.R. Center Events & Activities:

- WC staff supports, sits on and advises the Arkansas River Advisory committee and the Arkansas River Technical Task Force.
- Maintained communications and contacts with local irrigation and horticultural industry. Two seminars for irrigation staff and landscape architects were given during 2007 (2/15/07 and 7/31/07). This goal includes staff attendance at the Horticulture Advisory Council breakfasts.
- The Arkansas River Coalition group, citizens group, met at the WATER Center every other month and worked on issues and problems of the Big Arkansas River. WATER Center staff spoke with the group and one was the elected secretary of the group's board.
- Taylor Studios installed a new $120,000 exhibit about soils and water in the WATER Center during November. People visiting the WATER Center can learn about how soil is made, certain soil properties, how soil and water interact, and what it takes to have a healthy yardscape.

Cc: Scott Lindebak, Civil Engineer Storm Water Management

BEST MANAGEMENT PRACTICES

Which picture would you prefer in your neighborhood? Both pictures demonstrate Best Management Practices (BMP). However, you can see that some are not the "best".

The appropriate definition of "Best Management Practices" (BMP) means schedule of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States or the City's Municipal Separate Storm Sewer System (MS4). BMP also include treatment requirements, operating procedures, and practices to control plant site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage areas. In simple terms it means preventing or reducing pollutants from entering storm sewers, ditches or ponds.

It is understood any type of construction is going to generate some soil erosion. However, if contractors have good BMPs in place, the disturbance to the soil is minimal and thus the amount of pollution to our storm water sewer system is greatly reduced.

All contractors should practice Best Management Practices whether they are working on private building projects or on City of Wichita projects. As concerned citizens, everyone should take the time to report any kind of soil erosion.

More information on this topic will be presented in future inserts.

NEIGHBORHOOD DRAINAGE PROJECTS

Storm Water Utility funds are utilized to correct neighborhood drainage problems. These projects, known as "hot spots", are smaller than the large Capital Improvement projects.

Hot Spot projects completed or near completion thus far in 2007 include:

- **21st Street & Valleyview Storm Sewer and Channel Improvements to the Westlink Ditch**
- **Maple Dunes Channel Improvements**
- **Prescott & Rutledge, north of Pawnee**
- **Doonan Storm Sewer Improvements**

Hot Spot projects under design or to be completed later this year include:

- **Jennie, Central to 119th St West**
- **Parkridge and 21st Street North**
- **Fairway and Shade, Phase 2**
- **Sheridan, north of 2nd Street**
- **West Cessna Park Improvements**
- **Minnesota, south of Pawnee**
- **Winterberry Court and Winterberry**
- **Lark, north of 13th Street North**

Citizen demand for drainage improvements is always greater than resources available to construct them. Thus, staff prioritizes projects based on the degree of potential flood damage to determine which projects get constructed.

2005-2014 CAPITAL IMPROVEMENT PROGRAM

In addition to the neighborhood drainage projects, the City funds larger drainage projects through its ten-year Capital Improvement Program (CIP). In its current update of the CIP, the Storm Water Utility had proposed construction of many drainage projects to solve some of the more costly problems.

The City Council, after receiving considerable public input, has approved the new CIP, including a 25-cent ERU fee increase in 2007. This increase was necessary to adequately fund the projects that are included in this program.

Current CIP projects to be funded by the ERU increase include:

- **Douglas Street Drainage Outfall to the Wichita Drainage Canal.**
- **Calfskin & Dry Creek Flood Study**
- **Gypsum Creek Channel Improvements, west of Hillside**
- **Gypsum Creek Channel Improvements, Pawnee to Woodlawn**
- **Gypsum Creek Flood Map Revision between Rock Road and Kellogg**
- **9th Street and West Drainage Outfall to the Arkansas River**
- **Dry Creek Channel Improvements between Lincoln and Orme**
- **Cowskin Creek Channel Improvements between Kellogg and Maple Avenue**

Any questions regarding the Hot Spot or CIP projects should be directed to the Engineering Division, 268-4501.

Helpful Information Numbers

Questions about:

Storm Water Utility Fees.....265-1300
Storm Water Sewers lllegal
Discharges/Water Quality..268-8337
Storm Water Sewer Maintenance
And Repairs.....268-4090
Illegal Dumping.....268-8337
Flood Zone Inquiries 268-4498

Published by: Environmental Services
Stormwater Compliance
1900 E. 9th Street North
Wichita, KS 67214
Editor: Mary Santiago

This publication helps fulfill the City's educational requirement to inform citizens of current stormwater activities as outlined in the National Pollutant Discharge Elimination System Permit, a permit program authorized by the Federal Clean Water Act. The City of Wichita's permit administered by the Kansas Department of Health and Environment. Since its introduction in 1972, the NPDES permit program is responsible for significant improvements to water quality.

CITY OF WICHITA

Department of Public Works

www.wichita.gov

CITY OF WICHITA

Storm Water Utility

Department of Public Works
City of Wichita
October 2007

CITY OF
WICHITA

Chapter 16.32 STORMWATER POLLUTION PREVENTION

Section 16.32.030 Specific prohibitions and requirements.

A. The specific prohibitions and requirements in this section are not necessarily inclusive of all the discharges prohibited by the general prohibition in Section 16.32.020.
B. No person shall introduce or cause to be introduced into the MS4 any discharge that causes or contributes to causing the city to violate a KDHE water quality standard, the city's NPDES stormwater permit, or any state-issued discharge permit for discharges from its MS4.
C. No person shall dump, spill, leak, pump, pour, emit, empty, discharge, leach, dispose, or otherwise introduce or cause, allow, or permit to be introduced the following substances into the MS4:
1. Any used motor oil, antifreeze or any other petroleum product or waste;
2. A harmful quantity of industrial waste;
3. Any hazardous waste, including household hazardous waste;
4. Any domestic sewage or septic tank waste, grease trap waste, or grit trap waste;
5. Any garbage, rubbish, or yard waste;

Mark A. Hall
Compliance Officer
Environmental Services
Storm Water Compliance Division
1900 E. 9th
Wichita Ks. 67214
(316) 268-8337
E-Mail Mahall@Wichita.gov

River Festival 2007

Company Name	Sign	Print
Original Corn Roast		Rob Barner
X2 Hoopingarner Concession		Lance Hoop
Made 2 Grill		R. Sedlacek
Pizza Hut		Don Tibbits
R+J		Jayme Gott
Chan's		Binh ha
La Mesa		Mara
NuWay		Vincent P. Aurre
D&J Pronto Pup		Dwight Weber
Marios Cuisine		Felicia Kinuthia
Texas Red's BBQ		Matt Moore
Bite My Cookie Inc		Shirley Young
Jad's Catering		JoAnn Blood
Quality Concessions		Anthony L. Alvarez
Artichoke		Barbara Lee Hoeft
Moffet Enterprises		Dolores Moffet
Squeet & Cobble		Kyle Margan
GMR Marketing / Johnsonville		MARC DALLMAN
Danny Ottaway		Danny Ottaway

American Public Works Association presents…

Let's Get It Right the First Time: Strategies for Effective Stormwater BMP Design and Maintenance

Thursday, April 12, 2007

8:00 PST * 9:00 MST * 10:00 CST * 11:00 EST

Speakers:

Craig Tuttle, ASLA
Senior Landscape Architect/Planner (RLA)
Applied Ecological Services, Inc. (AES)

M. Beth Wentzel, MS, EIT
Staff Engineer
Applied Ecological Services, Inc. (AES)

John L. Larson, PhD
Principal Ecologist
Applied Ecological Services, Inc. (AES)

Moderator/Speaker:
Steve Hansen, P.E.
Director of Public Works
City of Liberty, Missouri

Let's Get It Right the First Time: Strategies for Effective Stormwater BMP Design and Maintenance
4/12/07

Speaker Bios

Craig Tuttle, ASLA
Senior Landscape Architect/Planner (RLA)
Applied Ecological Services, Inc. (AES)

At AES, Craig Tuttle serves as project manager for landscape architecture and land-planning projects with an emphasis on conservation development, and plays an important role integrating these with the allied disciplines of ecology, architecture & civil engineering. His familiarity with the design process is critical in projects with goals that require new, alternative strategies and cutting-edge technologies.

He serves as lead designer for many conservation development projects using the Ecological Systems Approach, which elevates site ecology in establishing the development framework, while honoring the cultural and economic feasibility of the project.

M. Beth Wentzel, MS, EIT

Staff Engineer
Applied Ecological Services, Inc. (AES)

Beth Wentzel is an environmental engineer with AES, responsible for hydrologic modeling and hydraulic analyses, as well as preparation of design plans and specifications for stormwater management systems, stream restoration projects, and mine reclamation efforts.

Her varied background includes expertise working in public forums, training and communication with government agency officials and participation in diverse stakeholder processes. She has extensive experience working with the Clean Water Act, including water pollution permitting (NPDES), dredge and fill permitting (Section 404), and water quality standards and restoration (TMDL) programs.

John L. Larson, PhD

Principal Ecologist
Applied Ecological Services, Inc. (AES)

John Larson has over 15 years of professional experience in ecological restoration, management, planning and design. His work not only addresses the flood control aspects of stormwater management, but also water quality enhancement and groundwater recharge benefits not normally possible with conventional designs. Dr. Larson's experience includes floristic analysis, land cover type mapping, threatened and endangered species investigations and ecological design. He applies this experience to restoration design, natural resource inventories, wetland determinations, wetland mitigation, wetland permitting and design of detention/retention/infiltration systems for stormwater management and treatment.

Dr. Larson joined AES as a senior ecologist in 1991. His focus on project design and construction oversight has ensured establishment of functional ecosystem values in hundreds of wetland and prairie restoration projects. Dr. Larson has worked extensively as a project leader in native wetland establishment, and has conducted hundreds of wetland delineations.

MODERATOR:
Steve Hansen, P.E.
Director of Public Works
City of Liberty, Missouri

Let's Get It Right the First Time: Strategies for Effective Stormwater BMP Design and Maintenance

Thursday, April 12, 2007

Start Time:

8:00 am PDT 10:00 am CDT
9:00 am MDT 11:00 am EDT

1

Stormwater Resources

Available from APWA

Good until the Last Drop: *A Practitioner's Guide to Water Reuse*

Growing populations, especially in semi-arid areas, require careful use of available fresh water resources and thoughtful consideration for reusing treated wastewater. This book is for the public utility/public works professional, to provide an understanding of the important considerations needed to capture the greatest value from the recycled water resource.

Order #: PB_A515
Member: ~~was $45~~ *NOW $40.50*
Non: ~~was $55~~ *NOW $49.50*

Order now and save 10%! Offer ends May 31, 2007

BUY ONLINE www.apwa.net APWA

Stormwater Resources

Available from APWA

Financing Stormwater Utilities

This book discusses the rationale behind the approach as well as planning utilities, legal considerations, and details for establishing rate structures and estimating user charges.

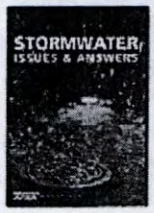
Order #: PB_A515
Member: ~~was $12~~ *NOW $10.80*
Non: ~~was $15~~ *NOW $13.50*

Order now and save 10%! Offer ends May 31, 2007

BUY ONLINE www.apwa.net APWA

Stormwater Resources

Available from APWA



Stormwater Issues and Answers

This booklet provides elected and appointed officials an understanding of issues involved in managing urban stormwater drainage and helps them develop their own stormwater management programs.

Order #: PB_A51A
Member: ~~was $5~~ *NOW $4.50*
Non: ~~was $7~~ *NOW $6.30*

Order #: PB_A51A1 (Package of 5)
Member: ~~was $20~~ *NOW $18*
Non: ~~was $28~~ *NOW $25.20*

Order now and save 10%! Offer ends May 31, 2007

BUY ONLINE www.apwa.net APWA

APWA

Stormwater Resources

Available from APWA

Water Treatment Made Simple for Operators

This publication is an easy-to-understand introduction to the increasingly complex functions of water treatment plants. It also serves as a highly illustrative reference featuring dozens of handy problem-solving tables that are invaluable for troubleshooting onsite, and brief and simplified versions of fundamental principles in each chapter, supplemented with common problems and possible solutions.

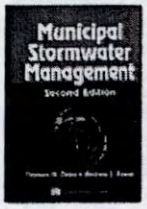
Order #: PB_X600
Member: ~~was $55~~ *NOW $49.50*
Non: ~~was $65~~ *NOW $58.50*

Order now and save 10%! Offer ends May 31, 2007

BUY ONLINE www.apwa.net APWA

Stormwater Resources

Available from APWA



Municipal Stormwater Management (2nd Ed.)

This book covers all aspects of municipal stormwater management, from planning and institutional concerns to technical design considerations. It details the design applications and the institutional aspects of stormwater management that planners and administrators face on a daily basis.

Order #: PB.XMSW

Member: ~~was $170~~ NOW $153
Non: ~~was $175~~ NOW $157.50

Order now and save 10%! Offer ends May 31, 2007

BUY ONLINE APWA

Stormwater Resources

Available from APWA

New! Let's Get It Right the First Time:
Strategies for Effective Stormwater BMP Design and Maintenance

Poorly designed stormwater management practices can result in a variety of problems. Many communities have been quick to implement EPA's recommended best management practices (BMPs) without fully understanding how they integrate with other important design considerations. Learn how designers are approaching BMP integration through a holistic Conservation Development design process. Learn how this design process addresses the implications of BMP's for a community's ecology.

Order #: PB.E708

Member: ~~was $55~~ NOW $52.10
Non: ~~was $65~~ NOW $62.10

Order now and save 10%! Offer ends May 31, 2007

BUY ONLINE APWA

Let's Get It Right the First Time: Strategies for Effective Stormwater BMP Design and Maintenance

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9:00 am MDT 11:00 am EDT

9

Today's Moderator...

Steve Hansen, P.E.
Director of Public Works
City of Liberty, Missouri

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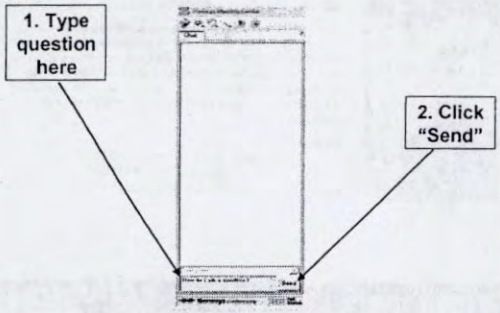
How to Submit a Question for Q&A



11

Polling Question #1

How many people are listening at your site today?

a. 1-3
b. 4-7
c. 8-20 all one agency
d. 8-20 multiple agencies
e. 21+

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Today's Speakers...

Craig Tuttle, ASLA
Senior Landscape Architect/Planner (RLA)
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M. Beth Wentzel, MS, EIT
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Applied Ecological Services, Inc. (AES)

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Polling Question #2

Does your area have either state, provincial, or local requirements that require at least 40% common open space for new developments?

a. Yes
b. No

14

Craig Tuttle, ASLA
Senior Landscape Architect/Planner (RLA)
Applied Ecological Services, Inc. (AES)

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Applied Ecological Services, Inc.

Brodhead, Wisconsin

"Our vision and ethic is to bring the science of ecology to all land use decisions"

- **Practice sound ecosystem science**
- **Work at all spatial scales**
- **Strive for ecosystem health**

- WHAT is Conservation Development?
- WHO does Conservation Development?
- WHY do Conservation Development?
- HOW do you do Conservation Development?
- WHEN do you do Conservation Development?

17

WHAT is Conservation Development?

18

Definition:

Residential Conservation Development is:

"A contiguous area of land to be planned and developed as a single entity, in which housing units are accommodated under more flexible standards, such as building arrangements and setbacks, than those that would normally apply under single-family district regulations, allowing for the flexible grouping of houses in order to conserve open space and existing natural resources."

(Countryside Program Conservation Development Resource Manual, Section Two: Model Regulations for Residential Cons. Development, p. 27 Oct. 1998)

A Defining Characteristic is....

Open Space

19

The Multiple, Valuable Functions of Open Space

Visual/Aesthetic Value
People see nature, not the neighbor's lot line; Makes the lot feel much bigger; Also can provide distance from & visual screening of adjacent unsightly areas.

Alternative Stormwater Management
Open Space is the place where the Stormwater Treatment Train (STT) happens

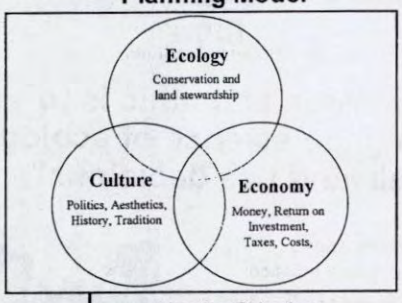
Pedestrian Circulation
Open Space is the place where Paths and Trails are located, by which people have access to meet neighbors & access other open space areas; People more likely to walk and jog due to safety & comfort of surface

Floral & Faunal Diversity
Open Space can provide critical area for an increased variety of plant species to flourish, which in turn supports a greater diversity of fauna.
Bird and Butterfly watchers will find increased satisfaction.

Creating and Buffering Wildlife Corridors
Open Space zones often transition to "critter highways" or provide essential buffering to adjacent environmentally sensitive areas.

Farmland Preservation
Farmland is Actively (through set-aside or integration) or Passively (Prairie=soil enrichment for potential future agricultural production) accomodated.

Planning Model



Planning Objective:
High quality of life in the context of Responsible land stewardship, economic viability, and long-term sustainability.

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WHO does Conservation Development?

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A VISIONARY TEAM

TEAM MEMBER	ROLE
Local Government Member	Provides Community Vision, Applies conservation principles, Approves the project
Owner/Developer	Initiator, Overseer & Financial Purveyor
Ecologist	Natural Systems Analyst & Restoration Specialist
Specialist	Geotechnical, Arborist, Farmer, Other
Landscape Architect/Planner	Spatial & Aesthetic Analyst & Designer, "Arranger of Space"
Engineer	Civil: Hard Systems Specialist & Designer Hydrologist: Water Quality & Management Specialist
Architect	Architectural Solutions (Structural & Thematic/Ornamental)
Attorney	Codifier, Covenants & Restrictions Writer
Construction Manager	Builds it
Realtor	Sells it
Land Steward	Monitors & Maintains it
Homeowner	Buys it, Lives it, Enjoys it!

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WHY do Conservation Development?

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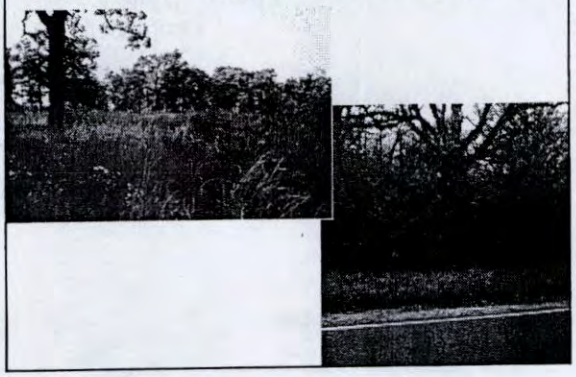
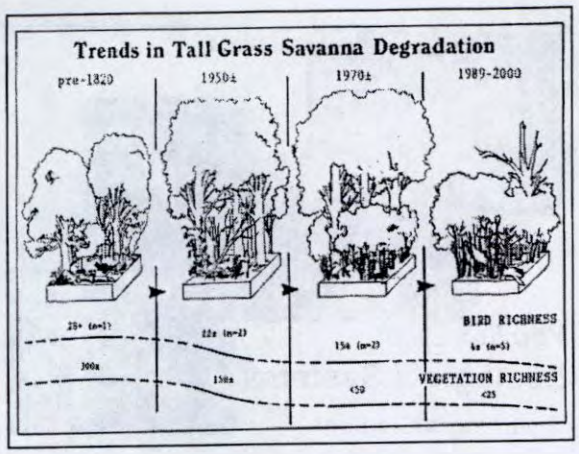
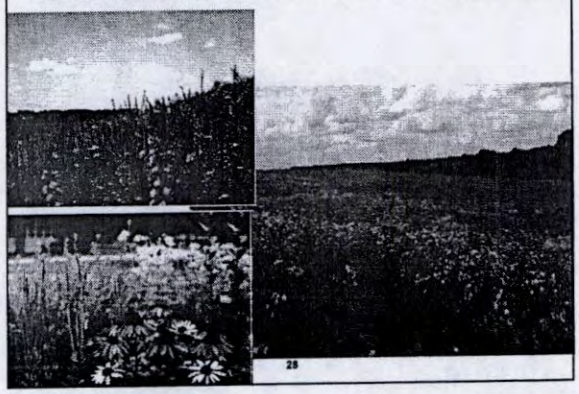
Healthy & Degraded Oak Savanna





TRAIL NETWORKS:CONNECTING PEOPLE

Prairie Restoration, Parks and Open Space



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Experiencing the Open Spaces...

Looking out the window...

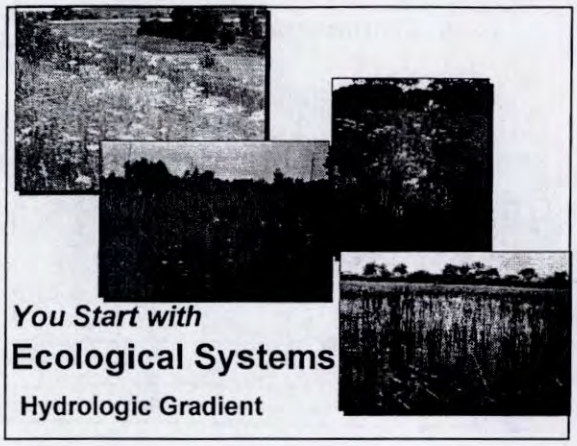
Stepping out the door...

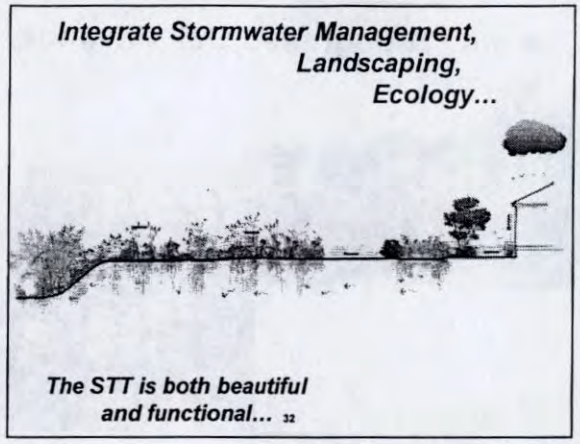
Strolling on the path

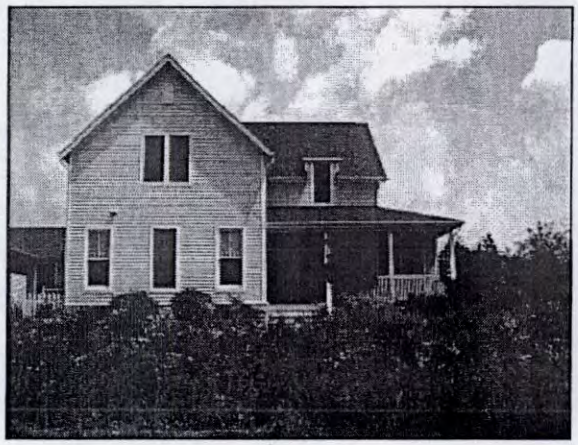
29

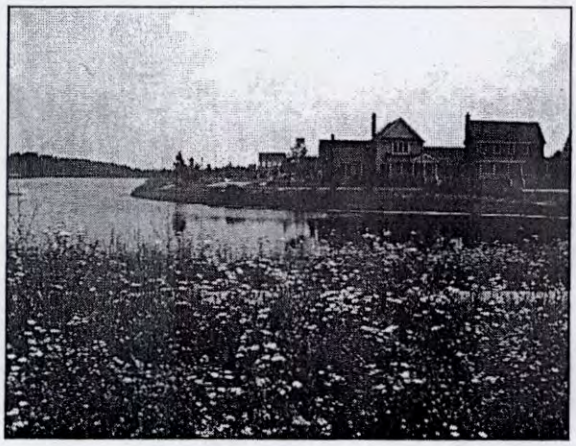
HOW do you do Conservation Development?

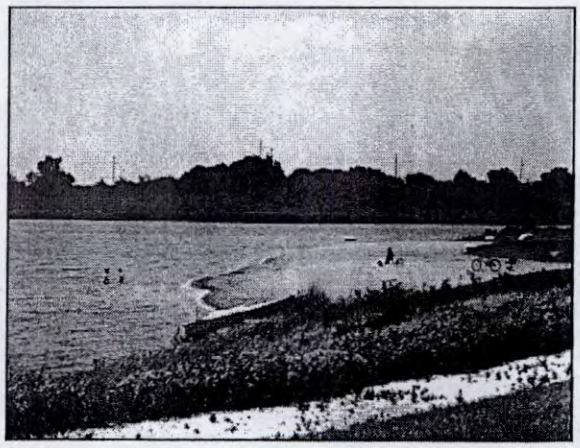
30


You Start with
Ecological Systems
Hydrologic Gradient


Integrate Stormwater Management,
Landscaping,
Ecology...
The STT is both beautiful
and functional... 32







Desired Components of the Conservation Development Pattern

Component	Effect
Rural or Hybrid Roads	Increased STT flexibility, reduced infrastructure cost (pipe, CB's, curbs) X-Sections: U.C. (500-3,000 ADT) 32'=7-9-9-7; 25'=7-9-9; 18'=9-9 U.L. (0-500 ADT) 28'=7-14-7; 19'=12-7; 18'=9-9 U.L.1-Way 28'=7-14-7; 19'=12-7; 18'=9-9 R.C. 5-22-5=7-9-9-7; 5-20-5=7-9-9; 5-20-5=10-10 R.L. 5-20-3=7-9-9; 3-18-3=9-9
Narrower Streets	Reduced cost, reduced impervious surface, slows traffic
Narrower ROW's	More appropriate Enclosure Scale; Reduced overall development footprint
Smaller Lots	Enables O/S creation while maintaining feasible densities
Reduced Setbacks	Front: More appropriate Enclosure Scale; Reduced Driveway length Side: More efficient clustering; makes room for periodic cut-throughs Rear: Flexibility in dealing with Common Open Space locations
Lots to O/S Placement	Lot Facing O/S: Provides Porch orientation & Picture Window views; Lot Backing O/S: Provides separation from rear neighbor; access to trails Creates good solution when front façades face Ex. Collectors/Arterials
House w/recessed garage	Downplay the garage door; emphasize the front door; create parking nook
Trail Access Points	Access to O/S made convenient at Max. 900' front door to trail point

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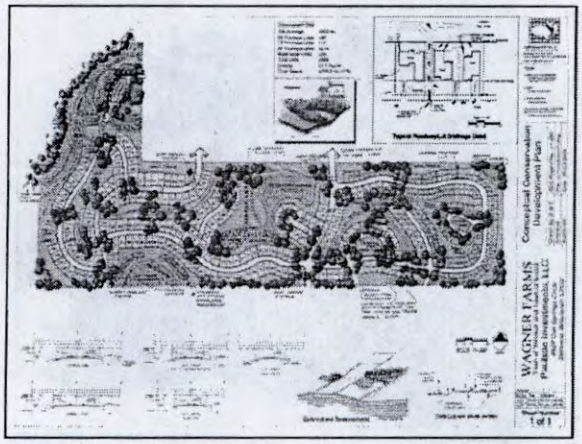
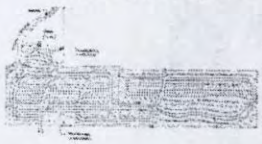


Example: Sun Prairie, Wisconsin

Conventional Development



Development Summary
Single Family Units: 340
(12,000 sq. ft.)
Multi-Family: 0 units
Total Site Acreage: 203 AC
Open Space: 16.81 AC (8%)
(community sewer)

Conservation Development

Development Summary
Single Family Units: 310
(8,000 sq. ft.)
Multi-Family: 30 units
Total Site Acreage: 203 AC
Open Space: 104.5 AC (51%)
(community sewer)

40

Example: Town of Linn, Wisconsin

Conventional Development

Development Summary
Single Familay Units: 21
(5 AC)
Multi-Family: 0 units
Total Site Acreage: 120 AC
Open Space: 0 AC (0%)

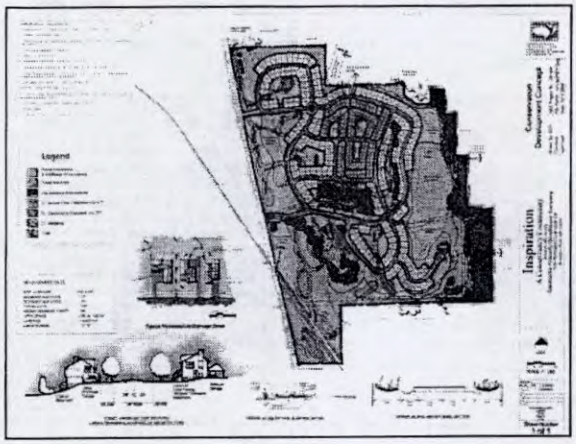
Conservation Development

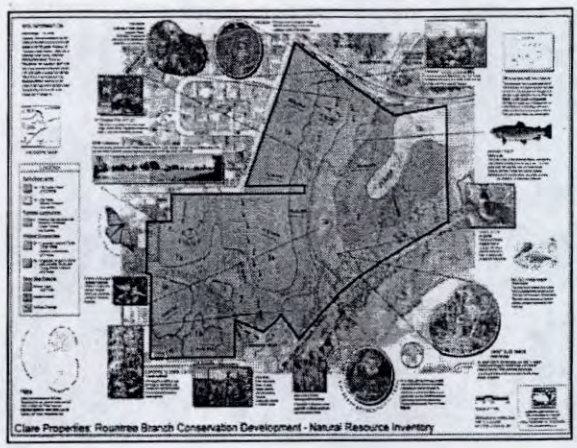
Development Summary
Single Family Units: 35
(40,000 sq. ft.)
Multi-Family: 0 units
Total Site Acreage: 120 AC
Open Space: 75.42 AC (63%)

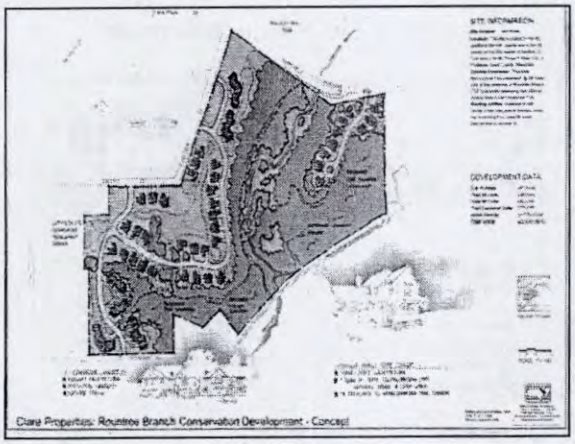
41

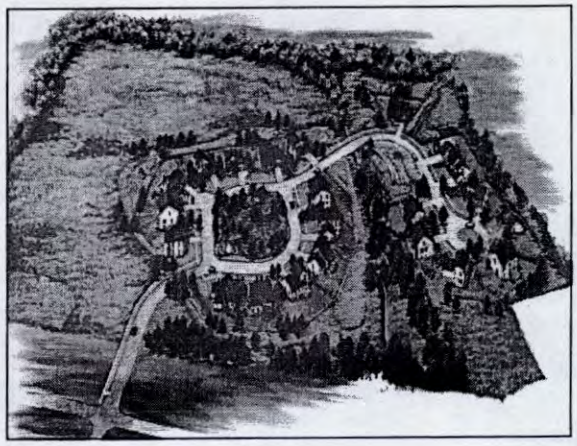
WHEN
do you do Conservation Development?

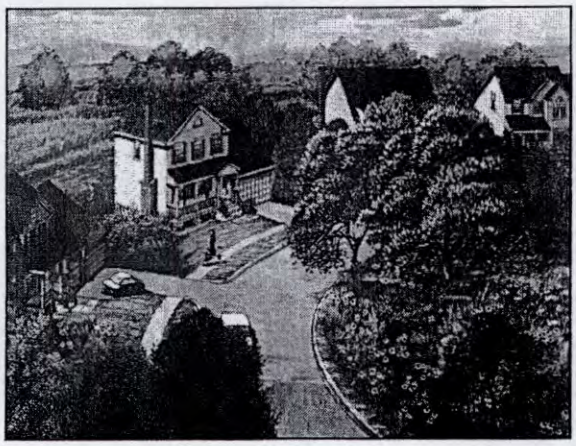
42











Codifying Conservation Development: Some Example Ordinances

- Lake County, Illinois: www.co.lake.il.us/planning/udo/default.asp
- Caledonia, Wisconsin: www.caledoniawi.com & www.ncwrpc.org/wapa/Susan_Greenfield.pdf
- St. Croix County, MN: www.co.saint-croix.wi.us/Ordinances

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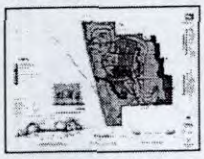
In Summary:

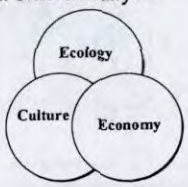
The Conservation Development approach is ***effective***:



Environmentally…

Culturally…

Economically.



49

Midwest Conservation Development: Overlay Process

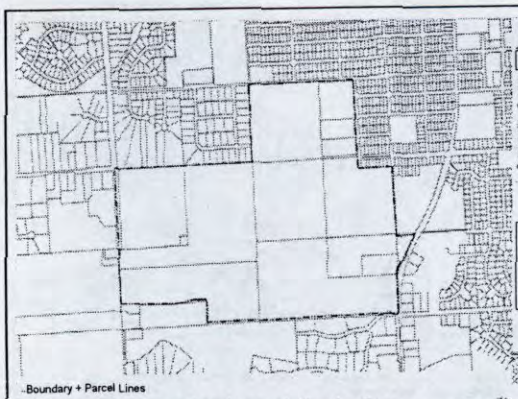
APPLIED ECOLOGICAL SERVICES INC.

50

Aerial Photo + Boundary

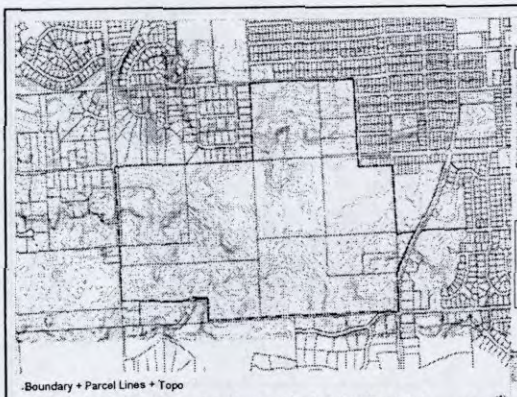
Aerial Photo + Boundary + Parcel Lines

Midwest Conservation Development: Overlay Process



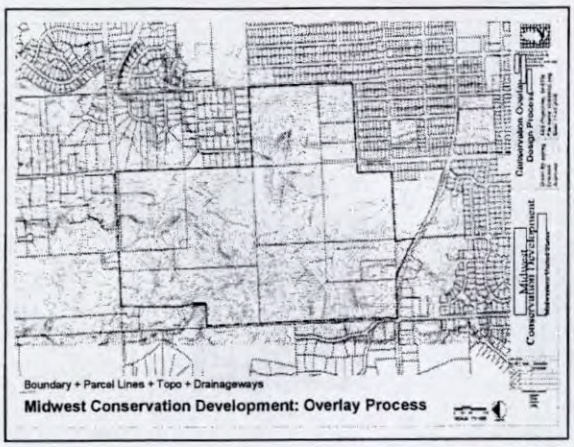
Boundary + Parcel Lines

Midwest Conservation Development: Overlay Process



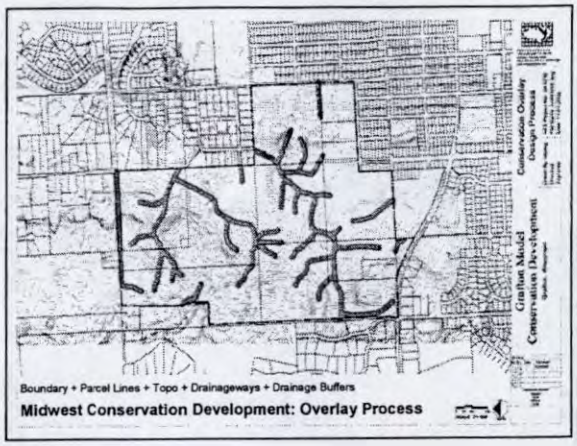
Boundary + Parcel Lines + Topo

Midwest Conservation Development: Overlay Process



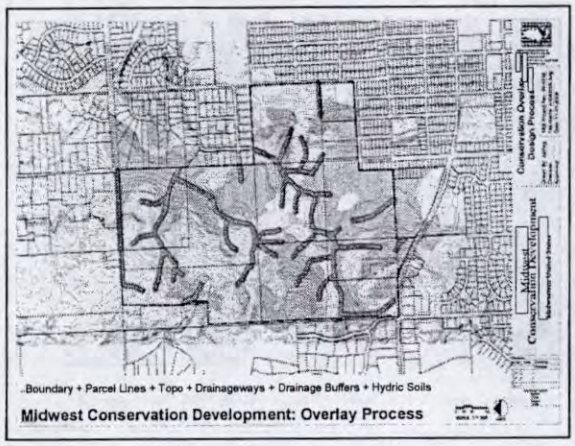
Boundary + Parcel Lines + Topo + Drainageways

Midwest Conservation Development: Overlay Process



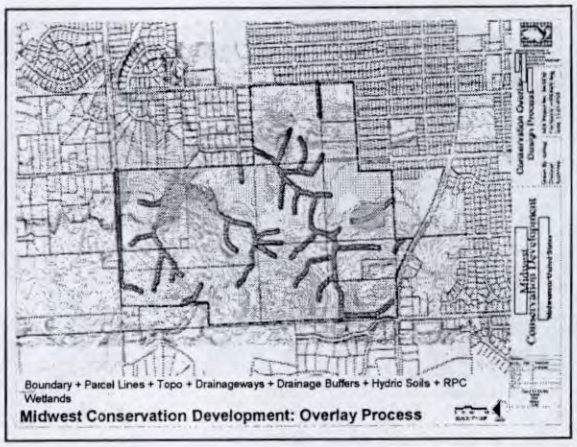
Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers

Midwest Conservation Development: Overlay Process



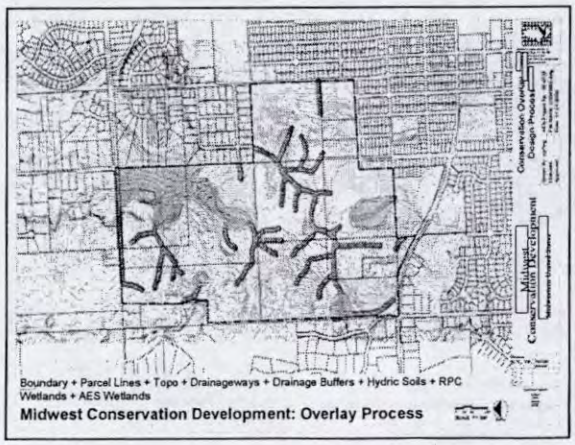
Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils

Midwest Conservation Development: Overlay Process



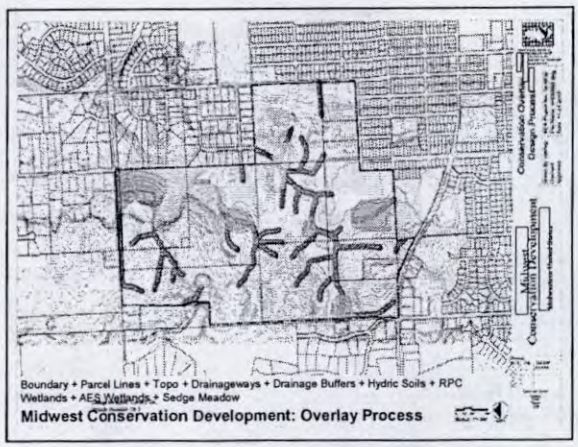
Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands

Midwest Conservation Development: Overlay Process



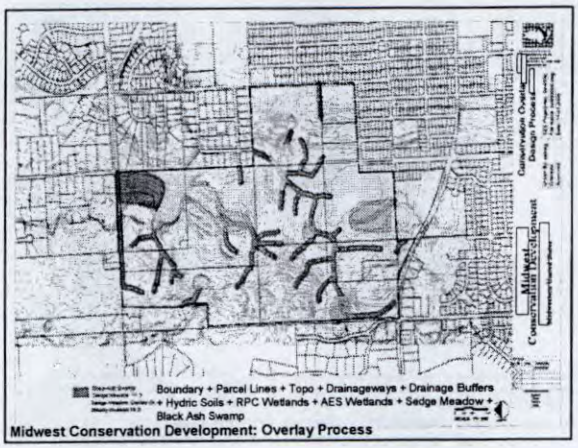
Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands

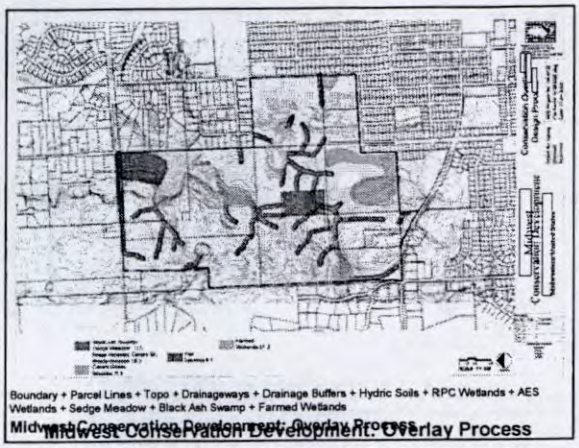
Midwest Conservation Development: Overlay Process

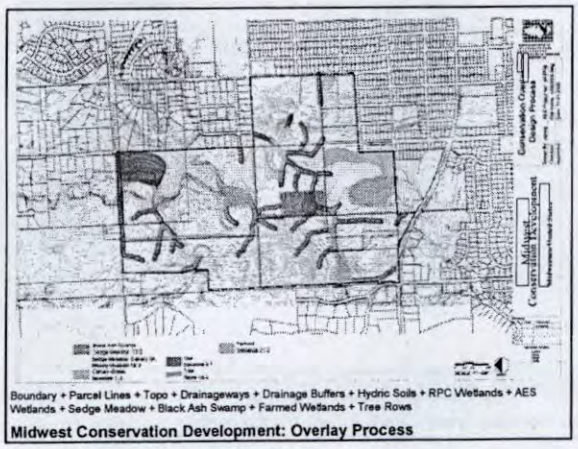


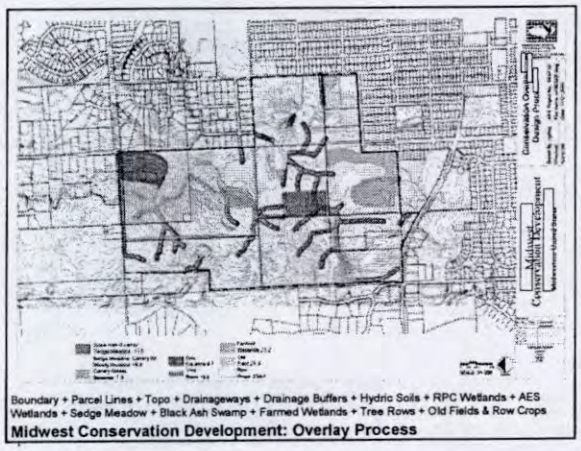
Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow

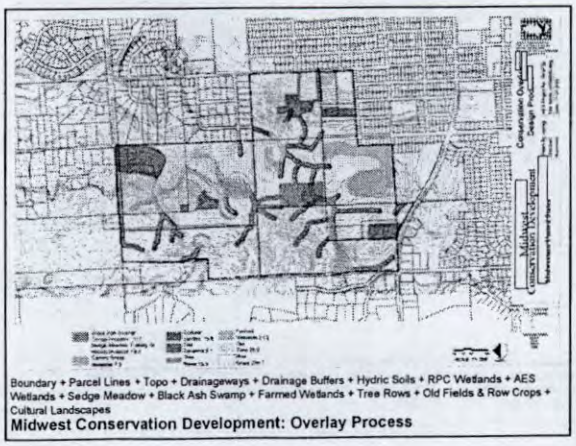
Midwest Conservation Development: Overlay Process

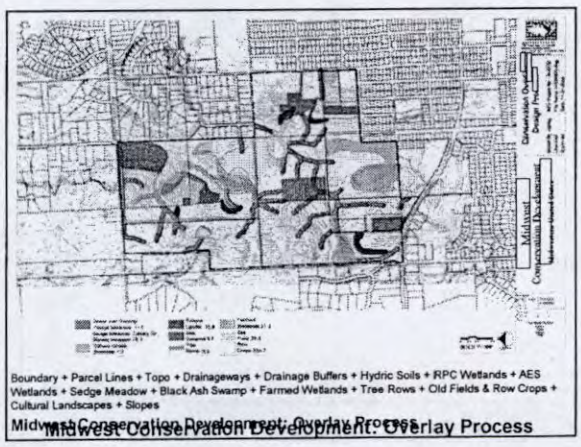

Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp
Midwest Conservation Development: Overlay Process


Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp + Farmed Wetlands
Midwest Conservation Development: Overlay Process


Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp + Farmed Wetlands + Tree Rows
Midwest Conservation Development: Overlay Process


Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp + Farmed Wetlands + Tree Rows + Old Fields & Row Crops
Midwest Conservation Development: Overlay Process


Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp + Farmed Wetlands + Tree Rows + Old Fields & Row Crops + Cultural Landscapes
Midwest Conservation Development: Overlay Process

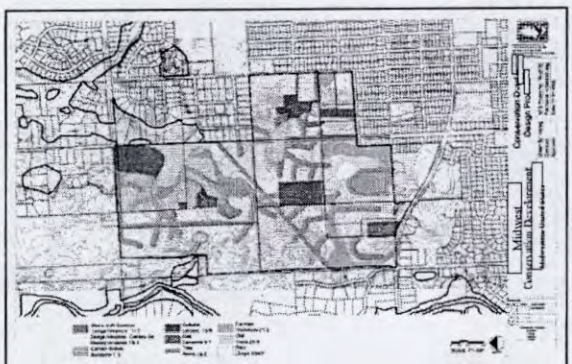

Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp + Farmed Wetlands + Tree Rows + Old Fields & Row Crops + Cultural Landscapes + Slopes
Midwest Conservation Development: Overlay Process

Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp + Farmed Wetlands + Tree Rows + Old Fields & Row Crops + Cultural Landscapes + Slopes + RPC Environmental Corridors

Midwest Conservation Development: Overlay Process

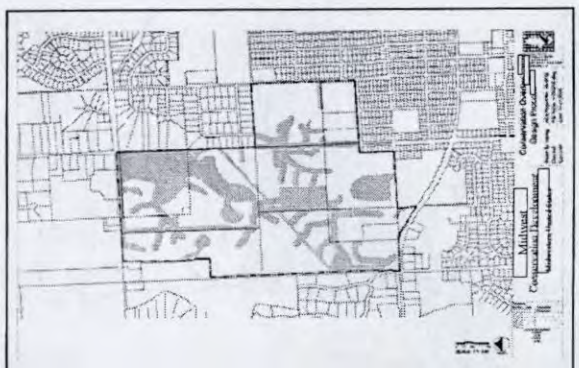
Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp + Farmed Wetlands + Tree Rows + Old Fields & Row Crops + Cultural Landscapes + Slopes + RPC Environmental Corridors + Easements

Midwest Conservation Development: Overlay Process



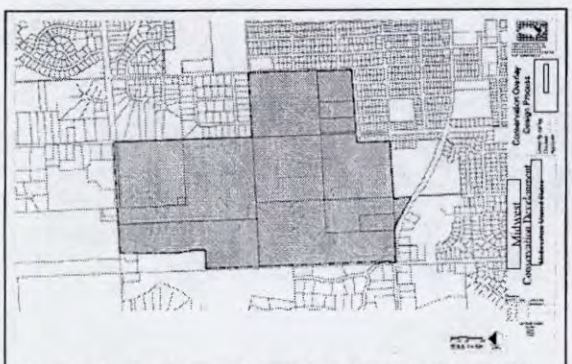
Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp + Farmed Wetlands + Tree Rows + Old Fields & Row Crops + Cultural Landscapes + Slopes + RPC Environmental Corridors + Easements = PROTECTION ZONES

Midwest Conservation Development: Overlay Process



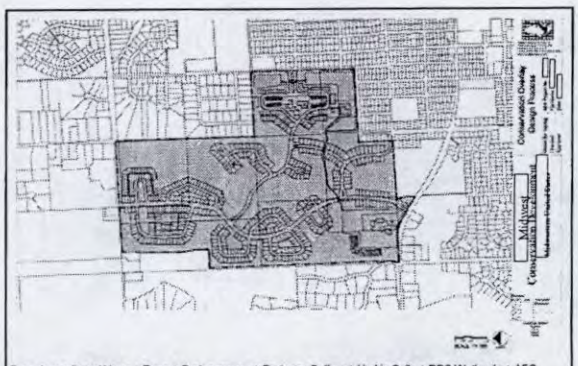
Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp + Farmed Wetlands + Tree Rows + Old Fields & Row Crops + Cultural Landscapes + Slopes + RPC Environmental Corridors + Easements = PROTECTION ZONES

Midwest Conservation Development: Overlay Process



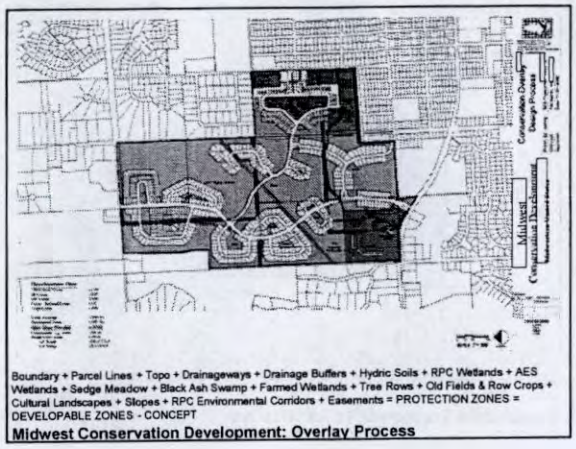
Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp + Farmed Wetlands + Tree Rows + Old Fields & Row Crops + Cultural Landscapes + Slopes + RPC Environmental Corridors + Easements = PROTECTION ZONES = DEVELOPABLE ZONES

Midwest Conservation Development: Overlay Process



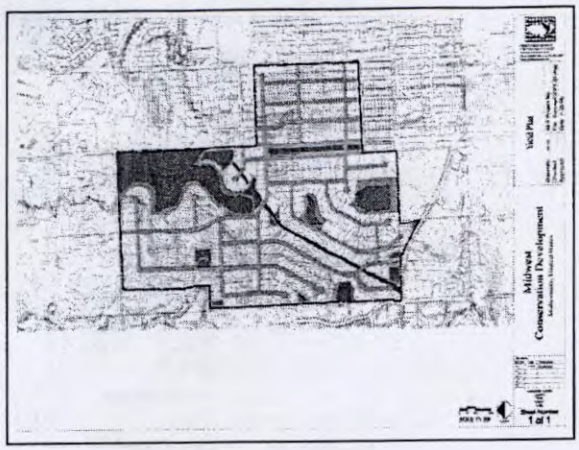
Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp + Farmed Wetlands + Tree Rows + Old Fields & Row Crops + Cultural Landscapes + Slopes + RPC Environmental Corridors + Easements = PROTECTION ZONES = DEVELOPABLE ZONES - CONCEPT

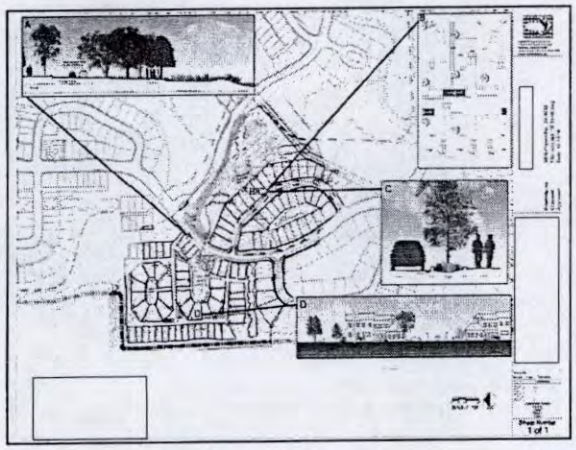
Midwest Conservation Development: Overlay Process

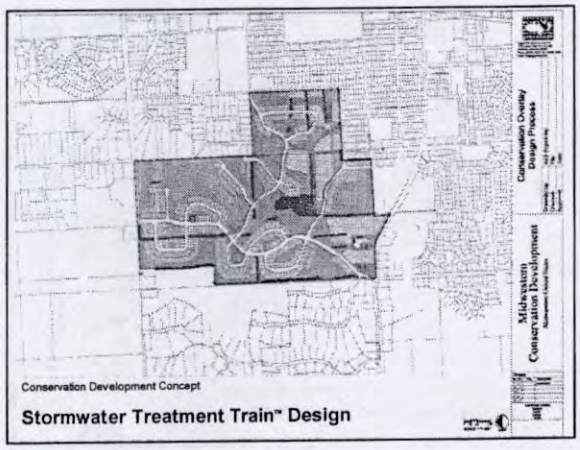


Boundary + Parcel Lines + Topo + Drainageways + Drainage Buffers + Hydric Soils + RPC Wetlands + AES Wetlands + Sedge Meadow + Black Ash Swamp + Farmed Wetlands + Tree Rows + Old Fields & Row Crops + Cultural Landscapes + Slopes + RPC Environmental Corridors + Easements = PROTECTION ZONES = DEVELOPABLE ZONES - CONCEPT

Midwest Conservation Development: Overlay Process

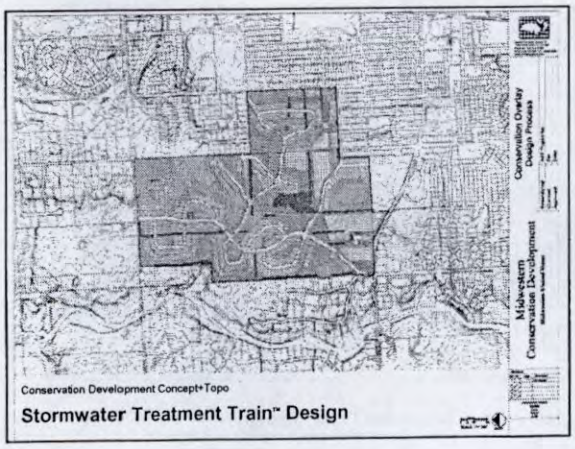






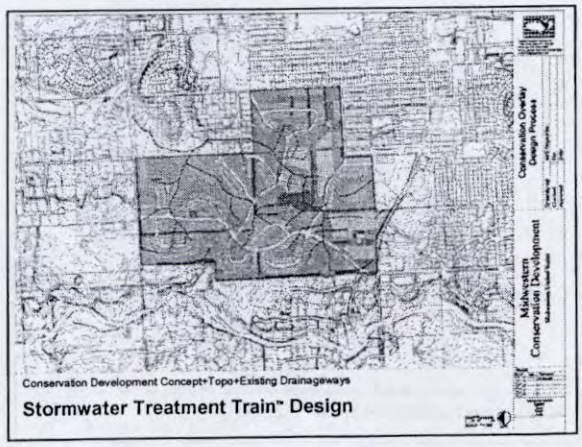
Conservation Development Concept

Stormwater Treatment Train™ Design



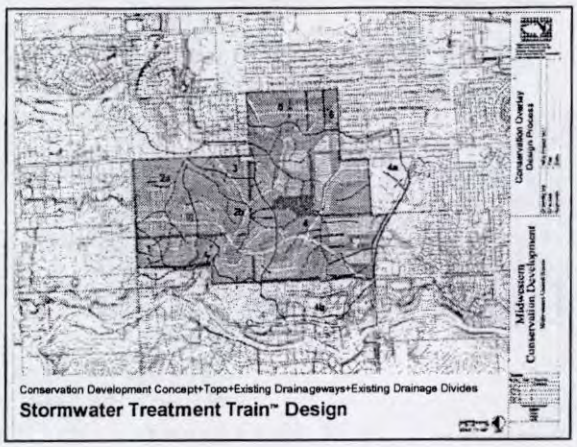
Conservation Development Concept+Topo

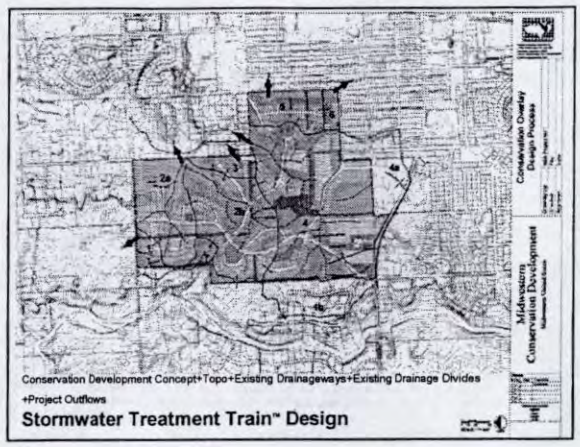
Stormwater Treatment Train™ Design

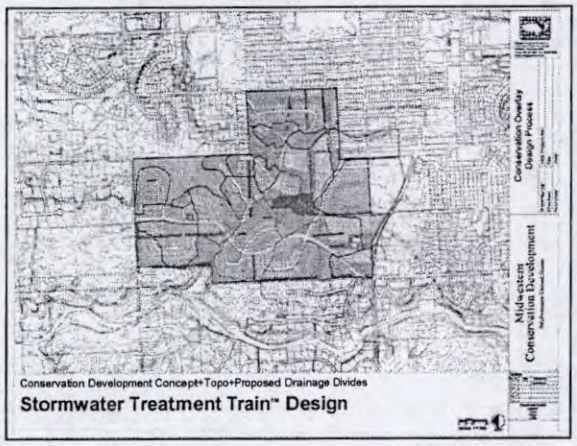


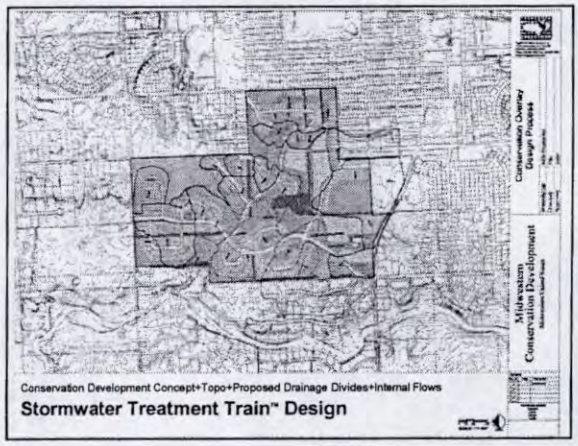
Conservation Development Concept+Topo+Existing Drainageways

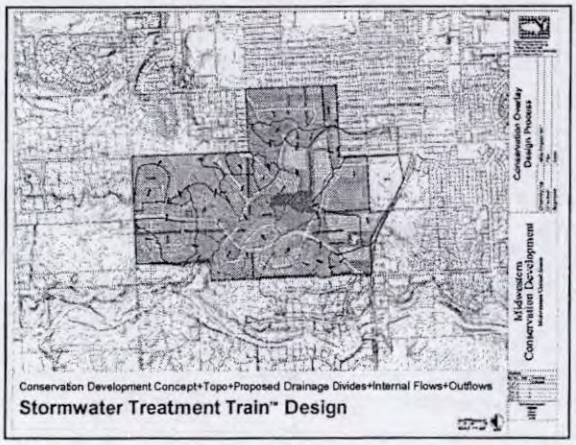
Stormwater Treatment Train™ Design

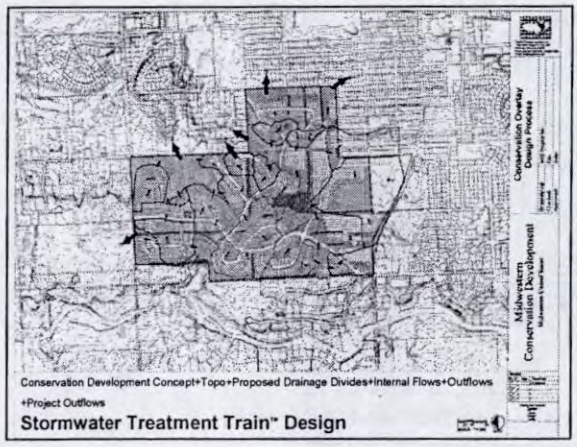

Conservation Development Concept+Topo+Existing Drainageways+Existing Drainage Divides
Stormwater Treatment Train™ Design
Midwestern Conservation Development
Conservation Overlay Design Process

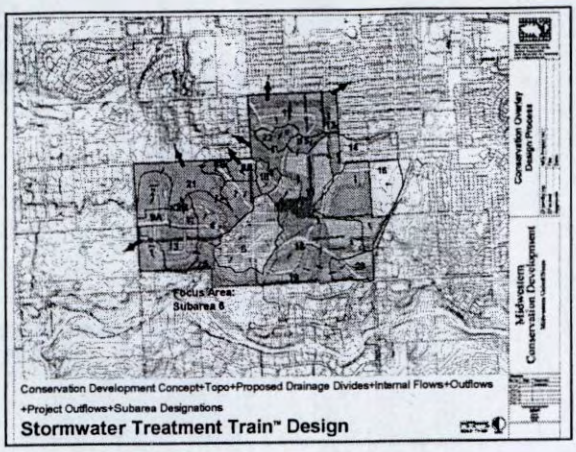

Conservation Development Concept+Topo+Existing Drainageways+Existing Drainage Divides
+Project Outflows
Stormwater Treatment Train™ Design
Midwestern Conservation Development
Conservation Overlay Design Process


Conservation Development Concept+Topo+Proposed Drainage Divides
Stormwater Treatment Train™ Design
Midwestern Conservation Development
Conservation Overlay Design Process


Conservation Development Concept+Topo+Proposed Drainage Divides+Internal Flows
Stormwater Treatment Train™ Design
Midwestern Conservation Development
Conservation Overlay Design Process


Conservation Development Concept+Topo+Proposed Drainage Divides+Internal Flows+Outflows
Stormwater Treatment Train™ Design
Midwestern Conservation Development
Conservation Overlay Design Process


Conservation Development Concept+Topo+Proposed Drainage Divides+Internal Flows+Outflows
+Project Outflows
Stormwater Treatment Train™ Design
Midwestern Conservation Development
Conservation Overlay Design Process



Q&A

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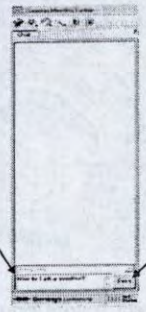
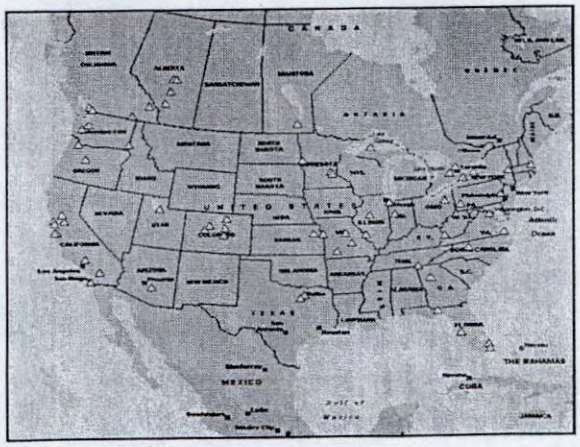
How to Submit a Question for Q&A

1. Type question here



2. Click "Send"

87



Polling Question #3

Does your area have either state, provincial, or local requirements to demonstrate numeric infiltration and/or water quality improvements (such as 90% removal of TSS) for new developments?

a. Yes
b. No

91

M. Beth Wentzel, MS, EIT
Staff Engineer
Applied Ecological Services, Inc. (AES)

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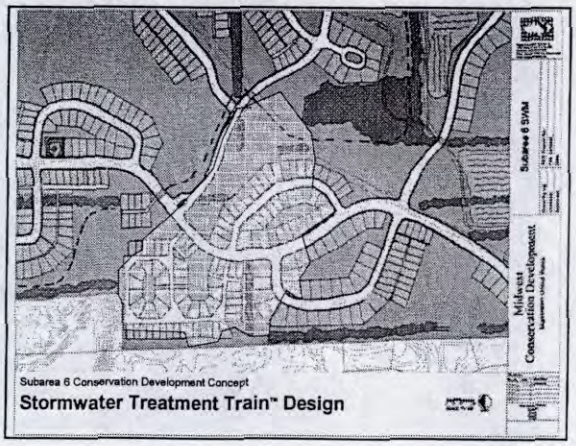
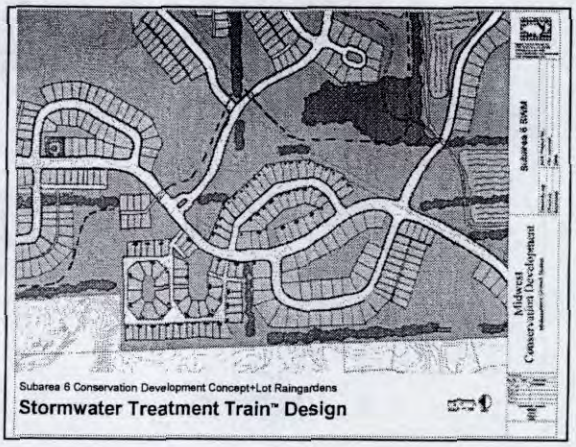
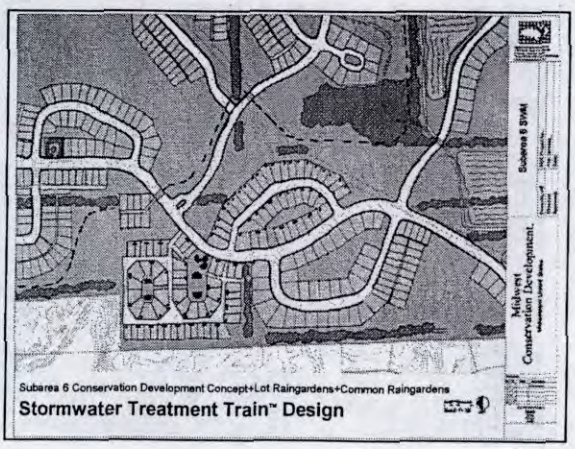


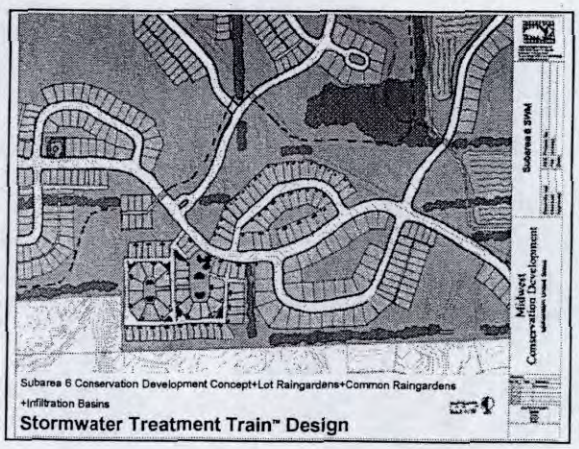
Subarea 6 Conservation Development Concept
Stormwater Treatment Train™ Design



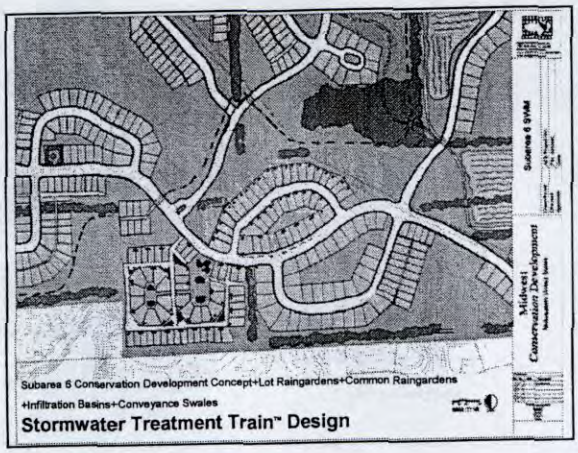
Subarea 6 Conservation Development Concept+Lot Raingardens
Stormwater Treatment Train™ Design

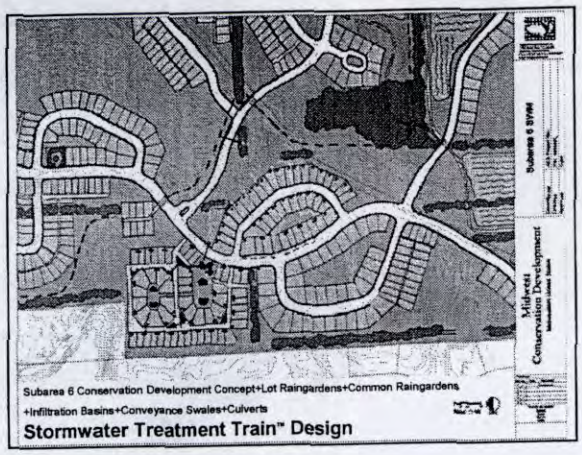


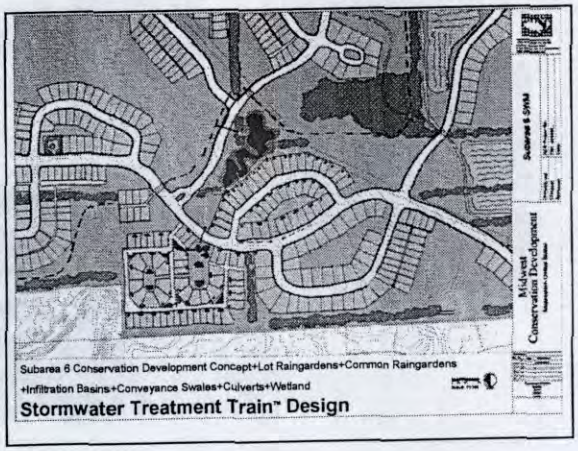
Subarea 6 Conservation Development Concept+Lot Raingardens+Common Raingardens
Stormwater Treatment Train™ Design

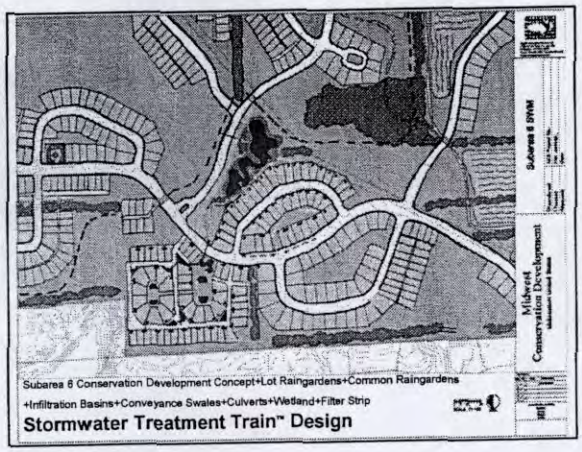


Subarea 6 Conservation Development Concept+Lot Raingardens+Common Raingardens +Infiltration Basins
Stormwater Treatment Train™ Design

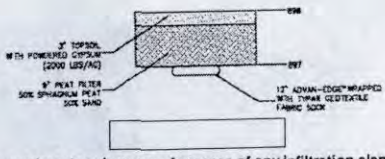








Soil Amendments



Soil amendments enhance performance of any infiltration element by increasing porosity, pollutant adsorption capacity, and water retention capacity.

Design Considerations
- **Care must be taken to avoid compaction**
- ***Mulch/sand* mixture to improve infiltration capacity**
- **Sphagnum peat for pollutant adsorption**
- **Gypsum to remove sodium through ion exchange**

Maintenance
- **For best results, soil amendments should be replenished and replaced over time**

101

Raingardens

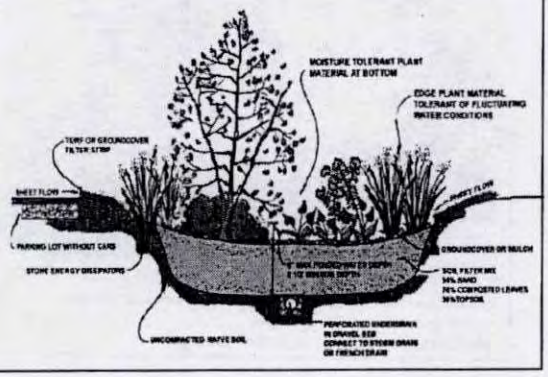
Rain gardens promote infiltration, help control water temperature, and reduce suspended solids, phosphorus, metals, sodium, and oils and grease.

Design Considerations
- Drainage area into raingarden should be less than one acre
- Soils may need to be amended with mulch and sand
- Use native deep rooted vegetation

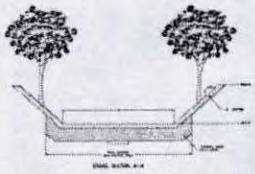
Maintenance
- Weeding while vegetation is being established
- Trash and detritus removal
- Mulch replenishment and replacement periodically
- *May require watering during drought*

102

Raingardens



Infiltration Basin



Infiltration Basins offer similar benefits as rain gardens but for larger drainage areas.

Design Considerations
- Drainage area should be <10 acres
- Soil amendments may be necessary
- Design upstream elements to minimize sediment inflow to basin

Maintenance
- Inspect and clean upstream catch basins as necessary
- Maintain vegetation
- Remove sediment accumulations and restore soils and vegetation
- Ensure drawdown with 72 hours of storms to minimize mosquito problems

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Bioswale

Bioswales are used primarily for conveyance, but also promote infiltration and pollutant removal as denser, deeper root plants slow water and loosen soil better than short grasses.

Design Considerations
- Drainage area <10 acres to maximize water quality benefits
- Design to convey larger storm events with non-erosive velocities

Maintenance
- Relatively low maintenance
- Remove trash and debris
- Repair any erosion problems
- Replace damaged vegetation

105

Bioswale

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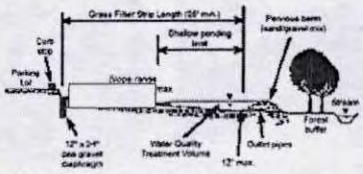
Filter Strip



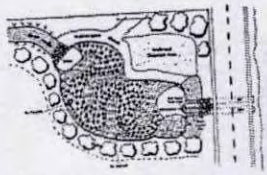
Filter strips are densely vegetated areas that slow, infiltrate, and filter shallow sheet flow.

Design considerations
- Drainage area <5 acres
- Minimize slope and/or use level spreaders to prevent concentrated flow
- Optional shallow pervious berm at toe of slope to enhance effectiveness

Maintenance
- Relatively low but important
- Must ensure continued sheet flow and infiltration capacity
- Repair eroded areas and damaged vegetation
- Remove accumulated sediment and debris

107

Treatment Wetland



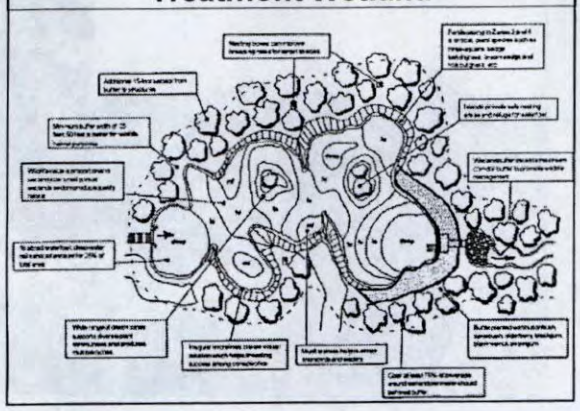
Treatment wetlands can remove nitrogen, organics, and suspended solids, while also providing significant stormwater detention.

Design considerations
- Best in lowland areas with low infiltration rates
- Design to minimize water fluctuations that would compromise vegetation
- Maximize L:W ratio to increase flow path

Maintenance
- Close attention during first 3 years – repair vegetation, erosion. Inlet/outlet problems
- After established, low maintenance – periodic sediment removal from forebay and micropools
- Trash and debris removal

108

Treatment Wetland



Polling Question #4

Does your area have either state, provincial, local requirements that require the use of native (indigenous to your area) plants in new development landscapes?

a. Yes
b. No

111

John L. Larson, PhD
Principal Ecologist
Applied Ecological Services, Inc. (AES)

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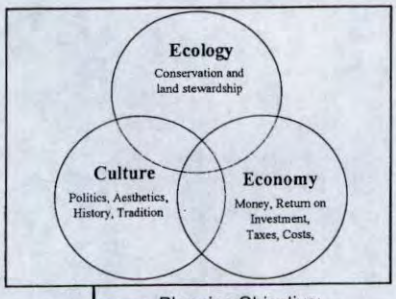
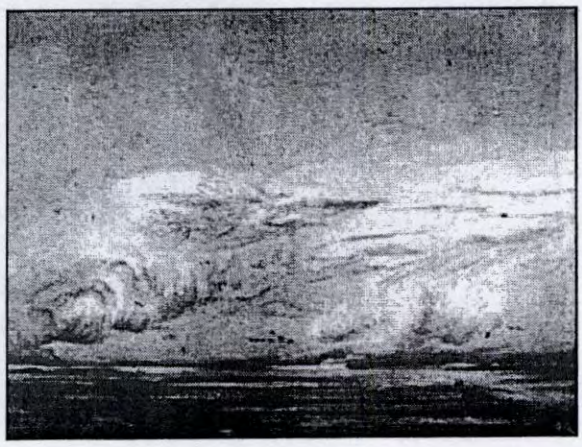
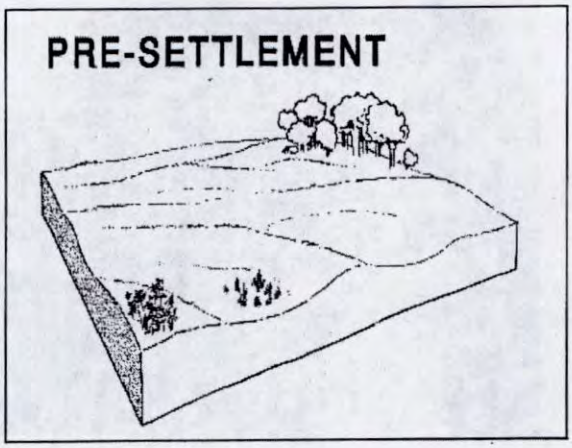
Planning Model

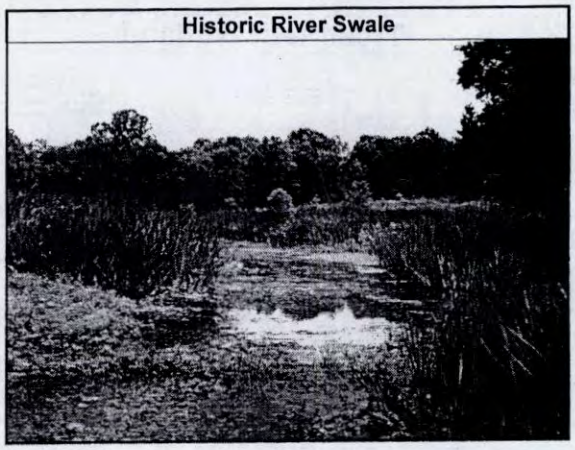


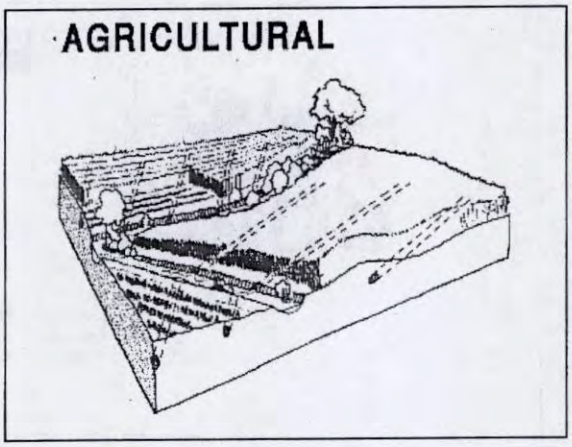
Planning Objective:
High quality of life in the context of Responsible land stewardship, economic viability, and long-term sustainability.

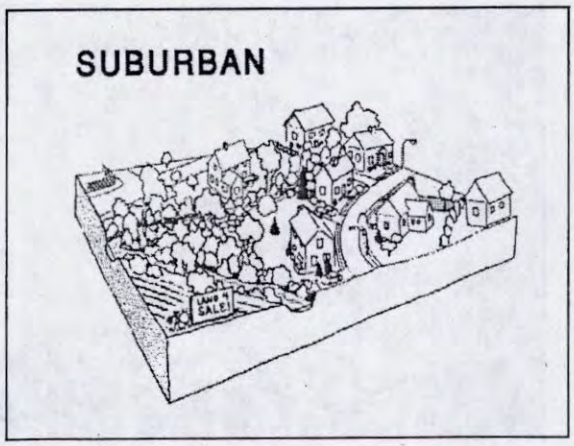
113

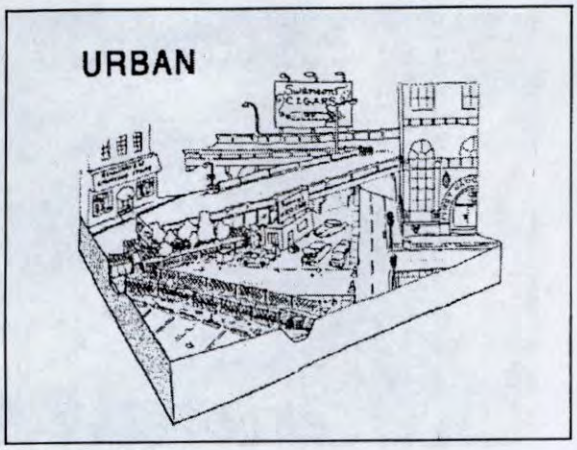


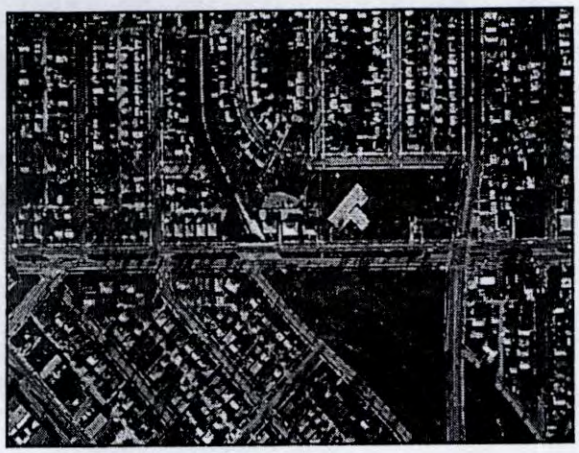

PRE-SETTLEMENT

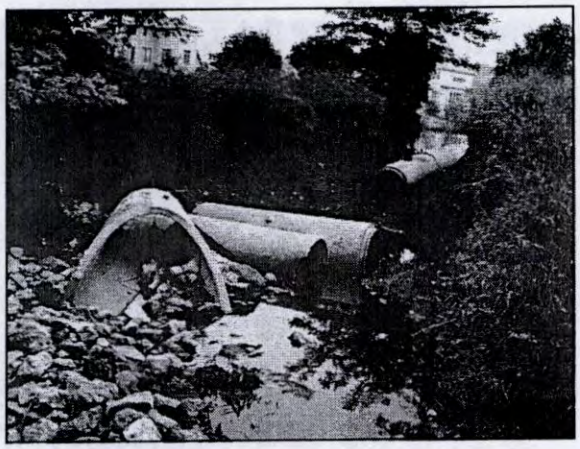

Historic River Swale


AGRICULTURAL


SUBURBAN







Why Natives?

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Ecological Systems

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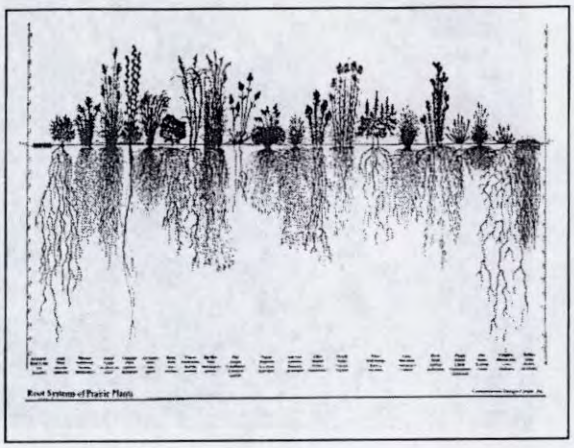
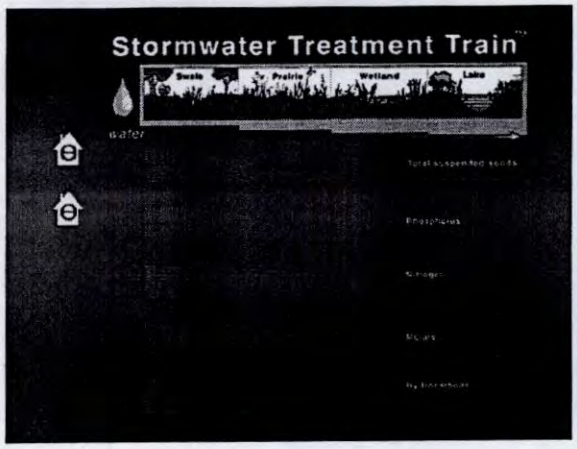
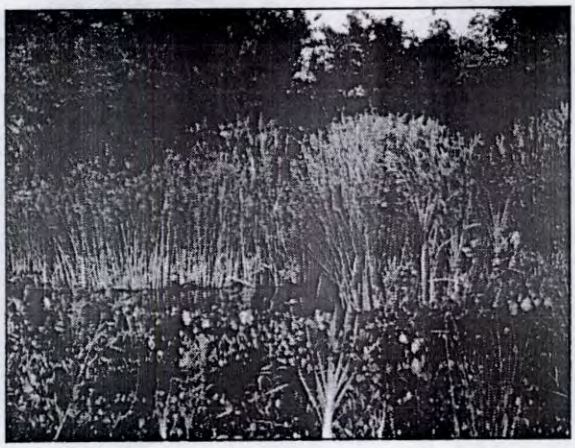
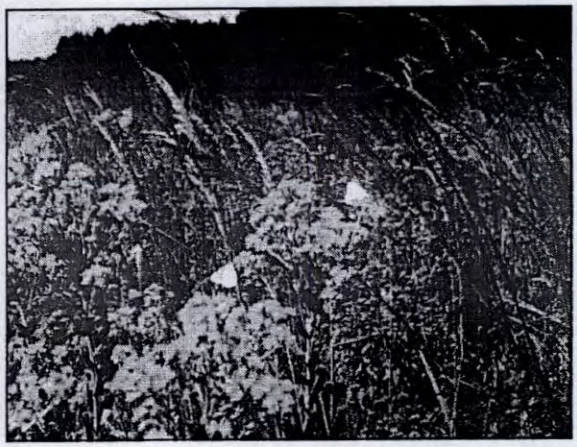
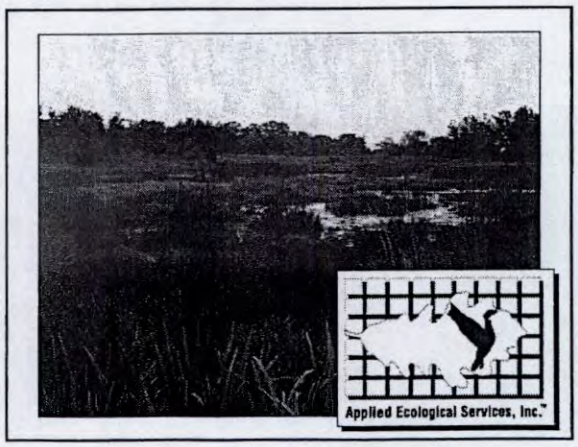

Root Systems of Prairie Plants


Stormwater Treatment Train™
Swale
Prairie
Wetland
Lake
water





Native Plant Community Management


Applied Ecological Services, Inc.™

Final Q&A

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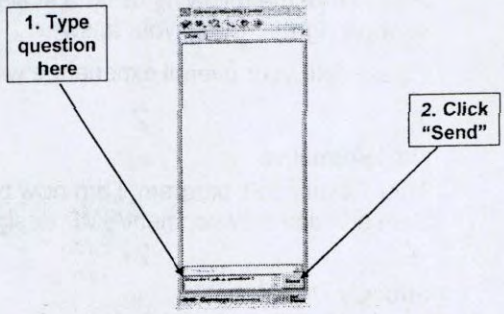
How to Submit a Question for Q&A



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Today's Speakers...

Craig Tuttle, ASLA
Senior Landscape Architect/Planner (RLA)
Applied Ecological Services, Inc. (AES)

M. Beth Wentzel, MS, EIT
Staff Engineer
Applied Ecological Services, Inc. (AES)

John L. Larson, PhD
Principal Ecologist
Applied Ecological Services, Inc. (AES)

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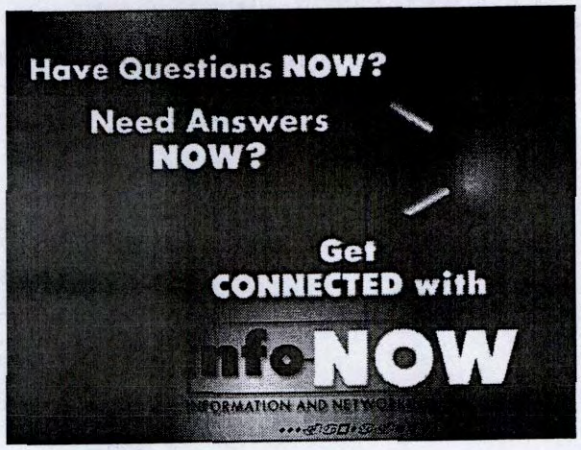

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AMERICAN PUBLIC WORKS ASSOCIATION

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Thank You!

137

American Public Works Association

Let's Get It Right the First Time: Strategies for Effective Stormwater BMP Design and Maintenance
April 12, 2007

Please rate the following using a scale of 1 to 4 with 1 equaling strongly disagree and 4 equaling strongly agree. Circle your answer:

Please rate your overall experience with today's program:

1	2	3	4
Not informative			Outstanding

After viewing this program, I am now better able to describe what constitutes a meaningful Conservation Development/BMP design.

1	2	3	4
Strongly Disagree			Strongly Agree

After viewing this program, I am now better able to strategize on how steer developers toward effective conservation development.

1	2	3	4
Strongly Disagree			Strongly Agree

After viewing this program, I am now better able to facilitate support for conservation development among your community and colleagues through your municipal code.

1	2	3	4
Strongly Disagree			Strongly Agree

My role is:

- Director/Commissioner/Superintendent/Assistant Director of P.W.
- Public Works Supervisor/Manager
- Engineer in a public agency
- Consulting Engineer/Manager
- Field/Construction Personnel
- Other

Comments:

I could do my job more effectively if I knew about:

NOT AN APWA MEMBER? Please complete the following to receive more information about APWA, its programs, and its membership privileges.

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MIKE GREENE 649 5548

GET IT RIGHT THE FIRST TIME – BMP DESIGN AND MAINTENANCE

WEBINAR APRIL 12, 2007

R Franklin Engr

PLEASE SIGN IN

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Deb Arg	PW-Mant	
JEFF MYERS	PW - BUILDINGS	JMYERS@WICHITA.GOV
Vicky Huang	PW	
Kay Drennen	DES	kdrennen@wichita.gov
CHARLES KARUGU	PW-BUILDINGS	ckarugu@wichita.go
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Jim Hardesty	ES	JHARDESTY@ " "
G. Boalman	CITY	

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Larry Schaller	CITY	
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GET IT RIGHT THE FIRST TIME – BMP DESIGN AND MAINTENANCE

WEBINAR APRIL 12, 2007

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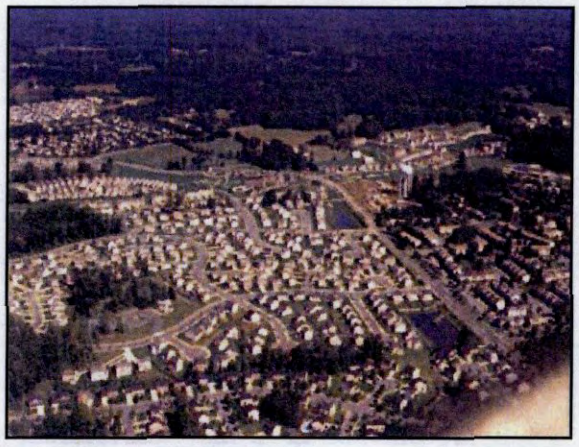
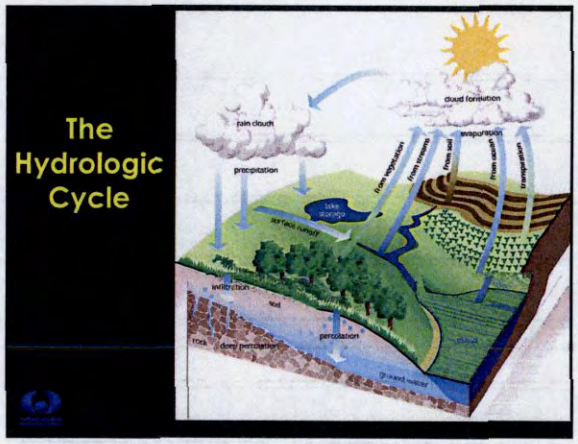
Sustainable Site Design

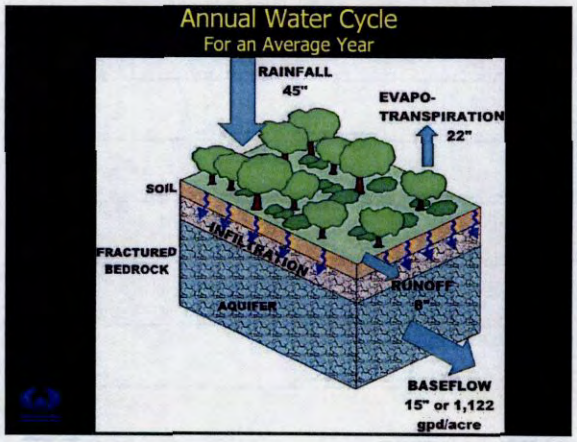
Porous Pavement and Innovative Stormwater Techniques

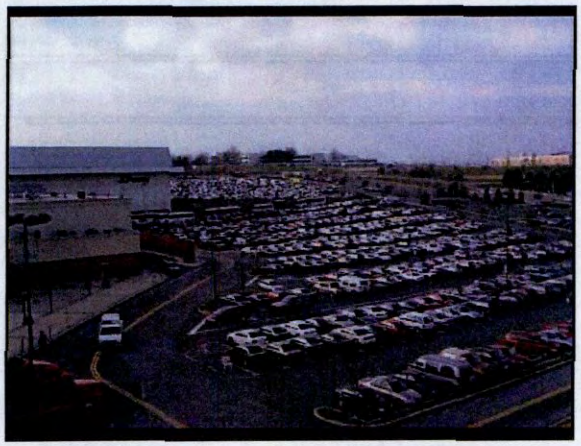
Cahill Associates, Inc.
Environmental Consultants
West Chester, PA 19382
Cape May, NJ 08204
www.thcahill.com

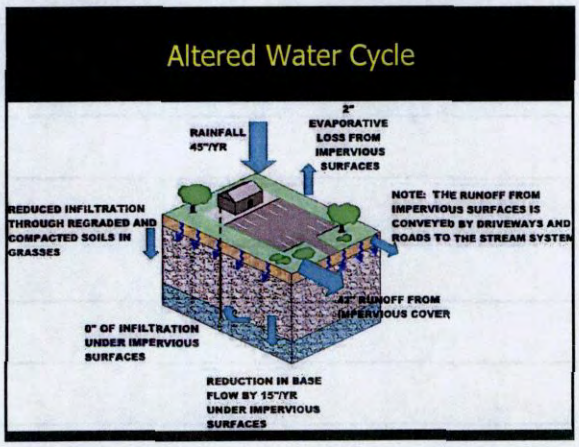
The Problem

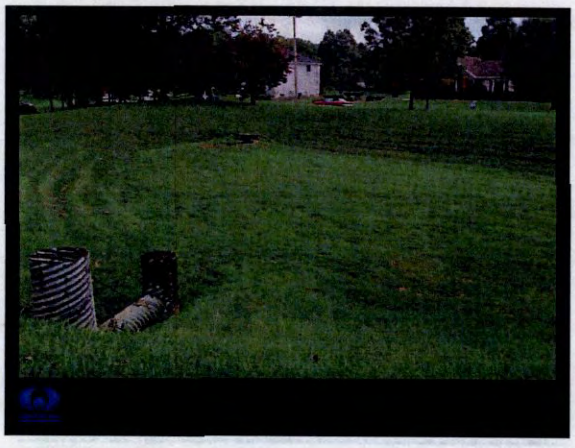


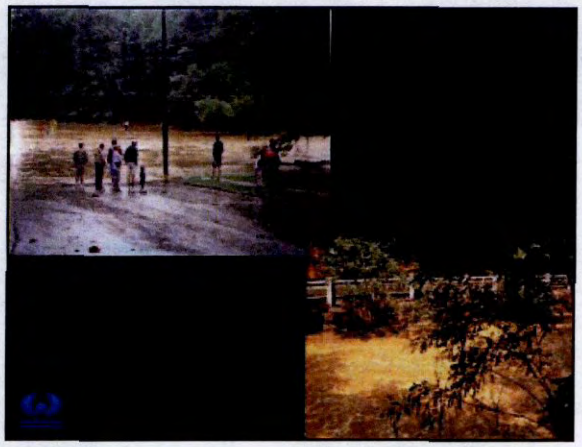

The Hydrologic Cycle
rain cloud
cloud formation
precipitation
evaporation
transpiration
lake storage
surface runoff
infiltration
soil
percolation
rock
deep permeation
ground water


Annual Water Cycle
For an Average Year
RAINFALL
45"
EVAPO-
TRANSPIRATION
22"
SOIL
FRACTURED
BEDROCK
INFILTRATION
RUNOFF
8"
AQUIFER
BASEFLOW
15" or 1,122
gpd/acre




Altered Water Cycle
RAINFALL 45"/YR
2" EVAPORATIVE LOSS FROM IMPERVIOUS SURFACES
REDUCED INFILTRATION THROUGH REGRADED AND COMPACTED SOILS IN GRASSES
NOTE: THE RUNOFF FROM IMPERVIOUS SURFACES IS CONVEYED BY DRIVEWAYS AND ROADS TO THE STREAM SYSTEM
42" RUNOFF FROM IMPERVIOUS COVER
0" OF INFILTRATION UNDER IMPERVIOUS SURFACES
REDUCTION IN BASE FLOW BY 15"/YR UNDER IMPERVIOUS SURFACES

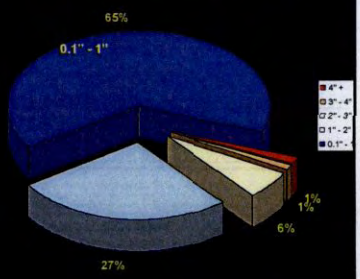




- Valley Creek
- 23 square mile DA
- Over 20% impervious
- Almost 200 Detention Basins

Most Rainfall is from Small Storms

98% of the annual rainfall is from storms *less* than the 2-year storm



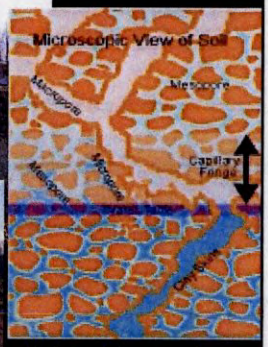
Average Rainfall Distribution

Detention Basins only slow the Largest Storms

- More *Volume* of Runoff
- Small storms pass through

We still have...

- Flooding
- Eroded Streams
- Water Quality Reduced
- Lost Habitat
- Lost Groundwater



Not just impervious surfaces

Common Bulk Density Measurements or How compacted is this soil?

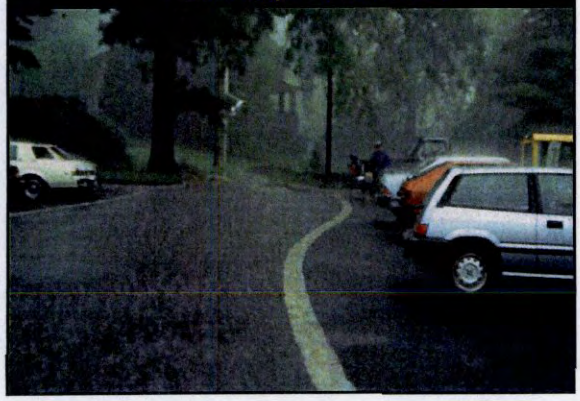
David B. Friedman, District Director - Ocean County Soil Conservation District

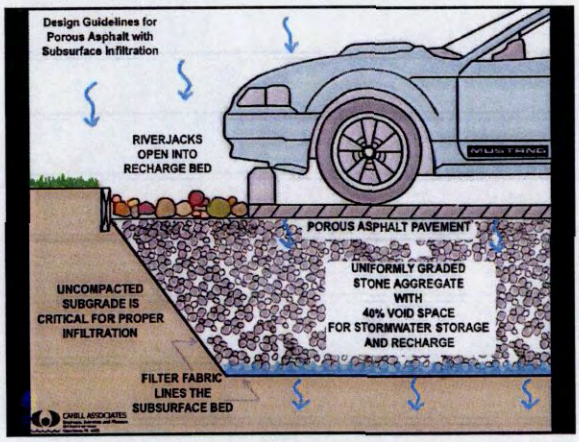
Is there a different approach for stormwater?

- Integrated into the Built Environment
  - Paths, Parking, Landscape, Street Trees, Playfields
- Importance of Soil and Vegetation
- Small and Large Storms
- Sustainable
- Maintenance and Cost

We forget that the water cycle and the life cycle are one.
- Jacques Cousteau

Porous Asphalt Pavement





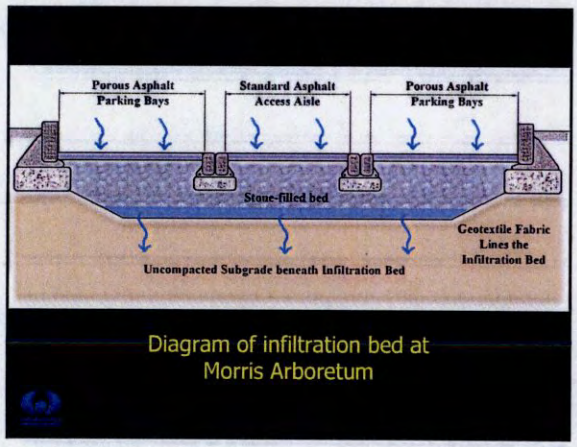
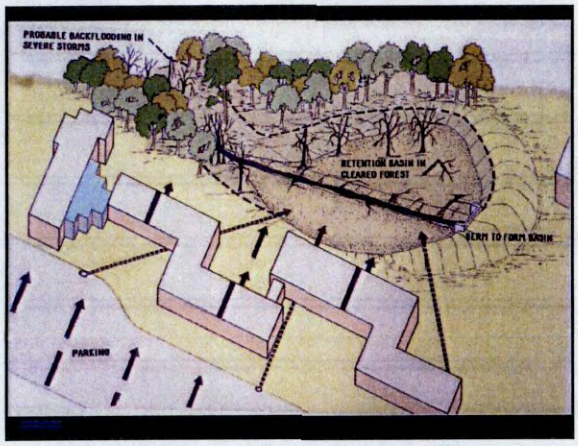
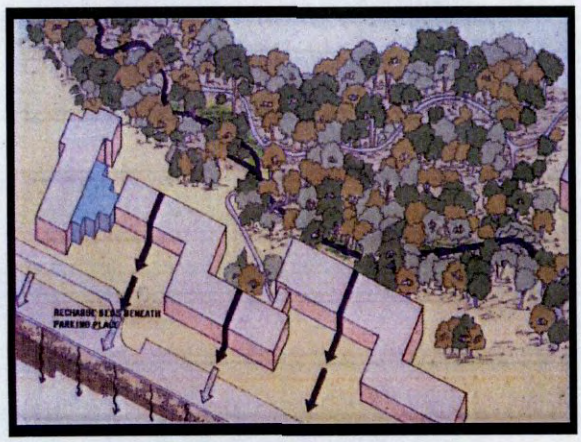


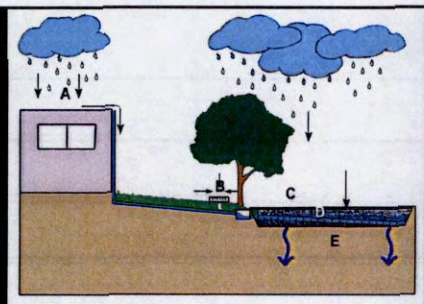
Diagram of infiltration bed at Morris Arboretum

DuPont Barley Mills Office Complex

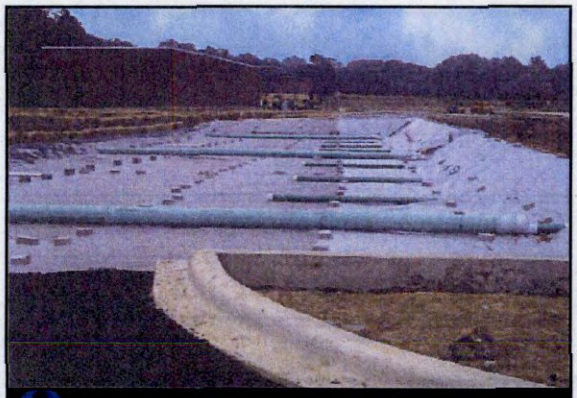
- Preserve Woodlands
- Reduce Site Disturbance

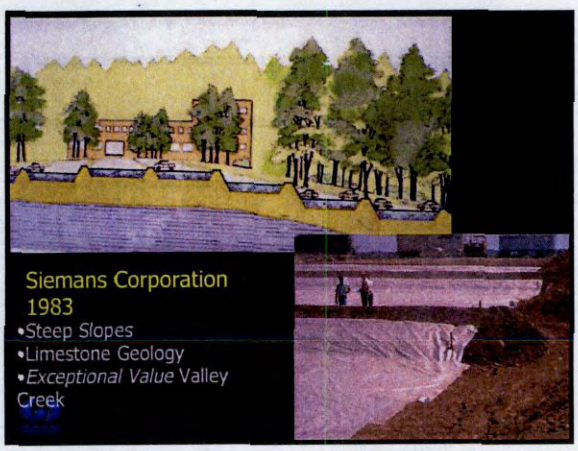






A. Precipitation is carried from roof by roof leaders to storage beds.
B. Stormwater runoff from impervious areas and lawn areas is carried to storage beds.
C. Precipitation that falls on pervious paving enters storage beds directly.
D. Stone beds with 40% void space store water. Continously perforated pipes distribute stormwater from impervious surfaces evenly thoughout the bed.
E. Stormwater exfiltrates from storage beds and into soil, recharging groundwater.




Siemans Corporation
1983
•Steep Slopes
•Limestone Geology
•*Exceptional Value* Valley Creek

Porous Pavement

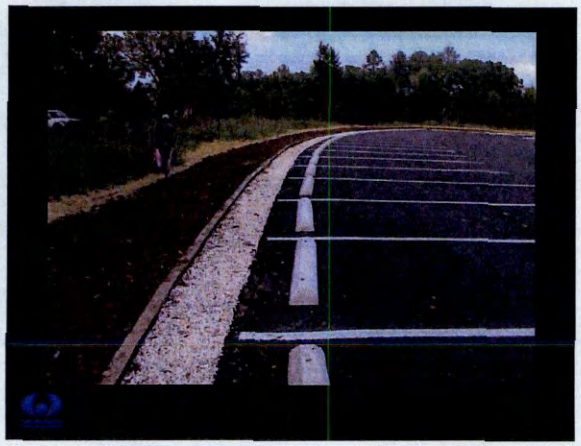
- Over 100 installations
- Oldest systems 1980-82
  - DuPont, Verizon, SmithKline, Siemen's
  - National Park Service, Fish & Wildlife, National Forest Service
  - Libraries, Religious Centers, Prisons
  - Industrial
  - Office Parks, Shopping Malls, Municipal Buildings

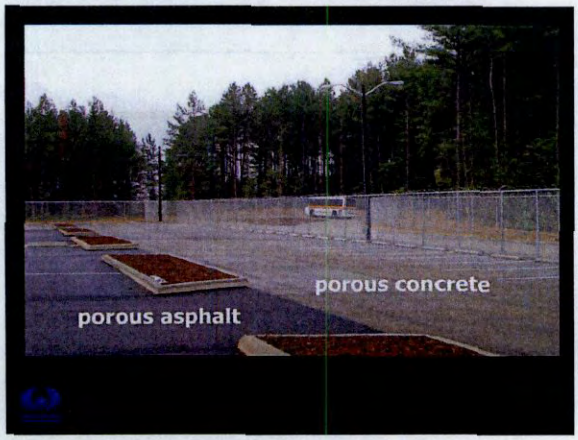
University of North Carolina-Chapel Hill

Friday Center

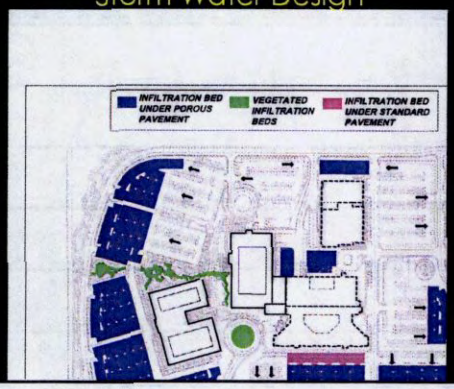
Estes Drive

Standard Pavement
Porous Pavement



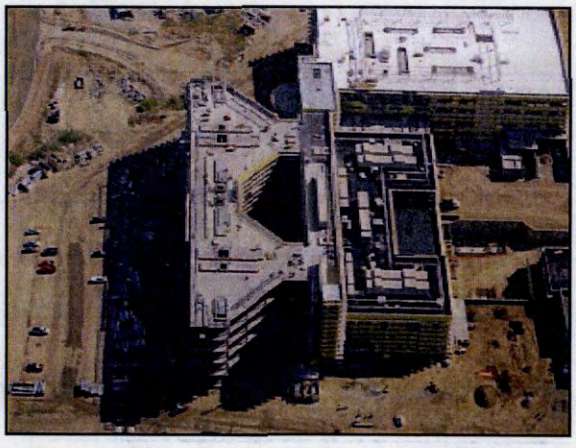

porous concrete
porous asphalt

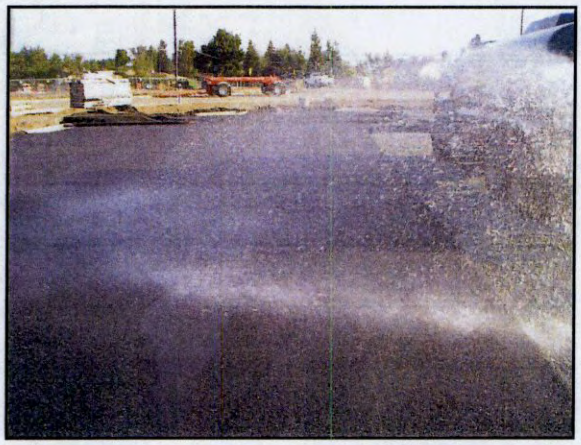
Kaiser Hospital Site, Modesto Storm Water Design



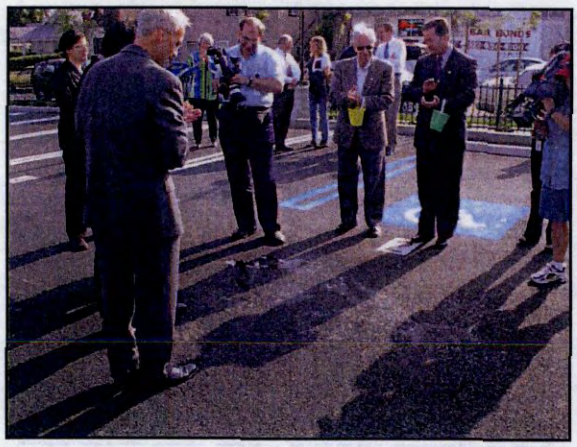
Modesto Site Considerations

- 10 acres of porous pavement
- Average Seasonal Rainfall = 12.5"
- Nearly level site
- Future expansion limits infiltration area
- Sustainability of vegetated areas (climate)



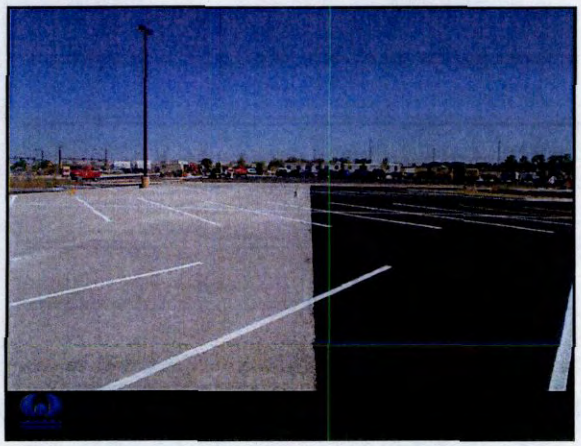


West Hollywood – Existing Site

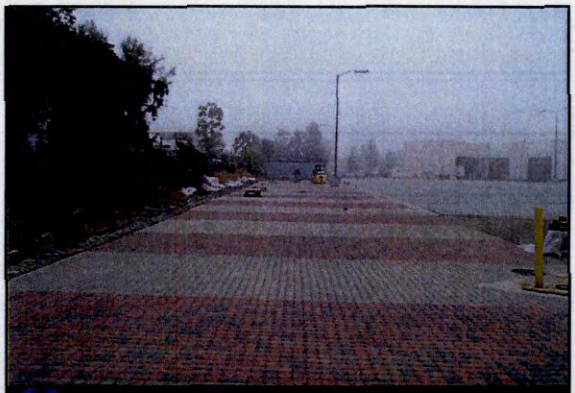


Walmart Supercenter
Aurora, Colorado

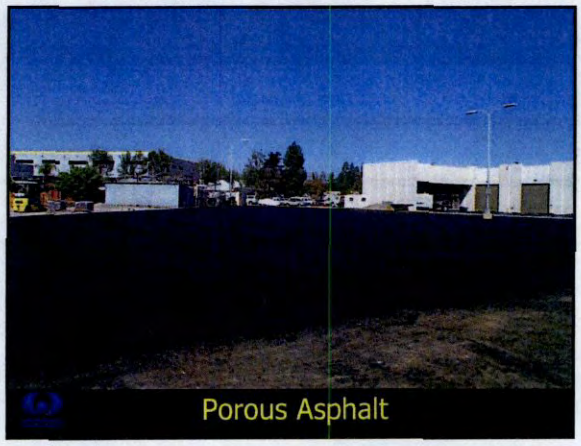
First use of RAP in Porous Asphalt – 5% & 10%

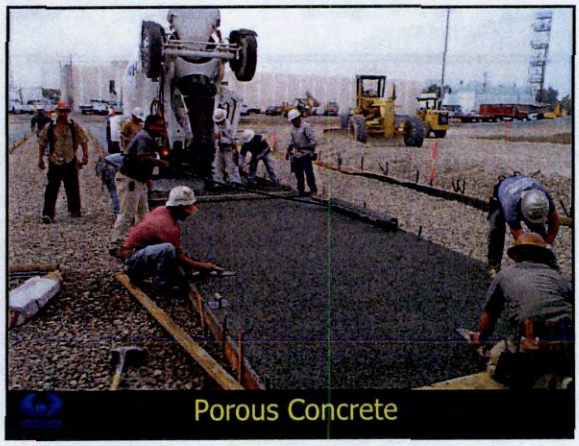


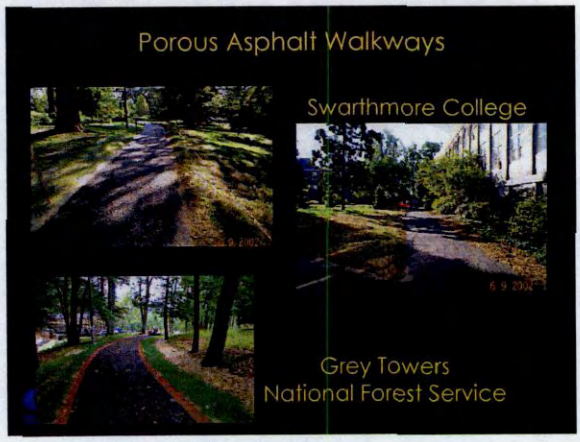
San Diego County
Stormwater Demonstration Site
Porous Pavements
and
Water Quality BMPs

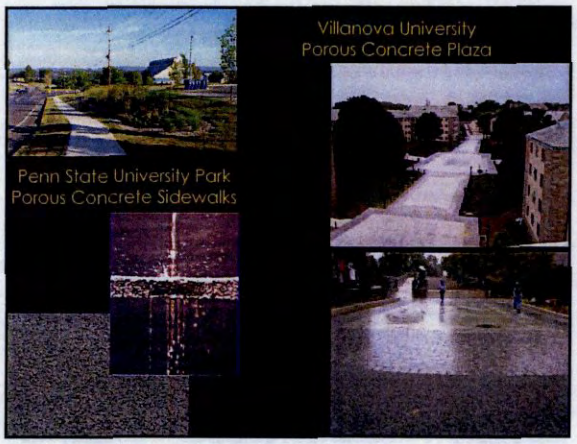


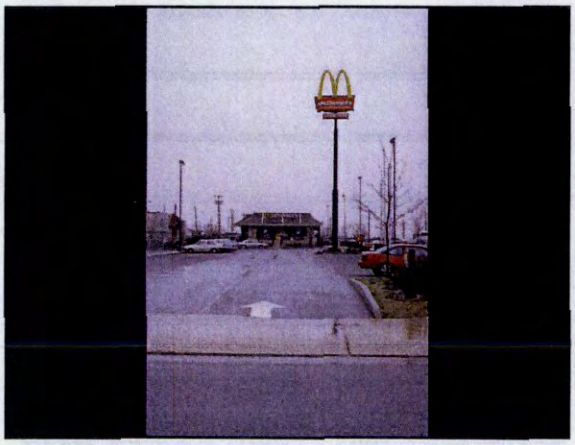
Porous Pavers

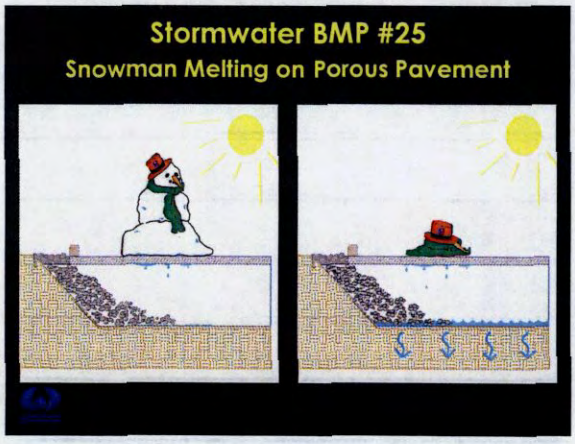

Porous Asphalt


Porous Concrete


Porous Asphalt Walkways
Swarthmore College
Grey Towers
National Forest Service


Villanova University
Porous Concrete Plaza
Penn State University Park
Porous Concrete Sidewalks




Stormwater BMP #25
Snowman Melting on Porous Pavement

Can we use many measures, large and small, to...

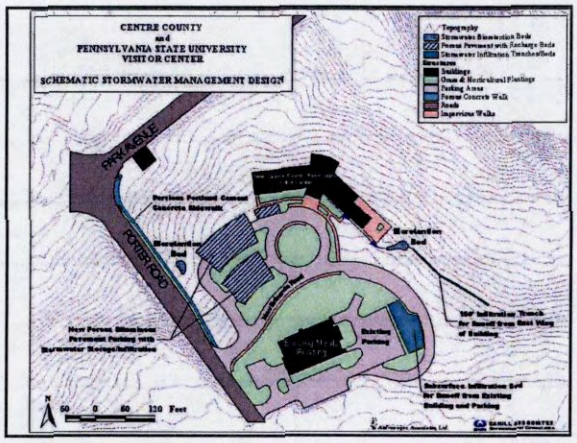
- Catch the water near the source?
- Return water to soils and vegetation?
- Slow the water?
- Clean the water?
- Restore the landscape?
- Recharge groundwater?
- Not so many pipes, basins, outfalls?

University: Penn State Visitor Center

- Constructed in 1999/2000
- Funding from PaDEP Growing Greener
- Stormwater in the Landscape:
  - Porous Parking
  - Porous Sidewalks
  - Rain Gardens
  - Infiltration Trenches
  - Vegetated Infiltration Beds

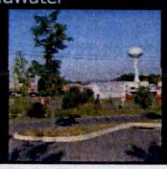
Design Team Coordination

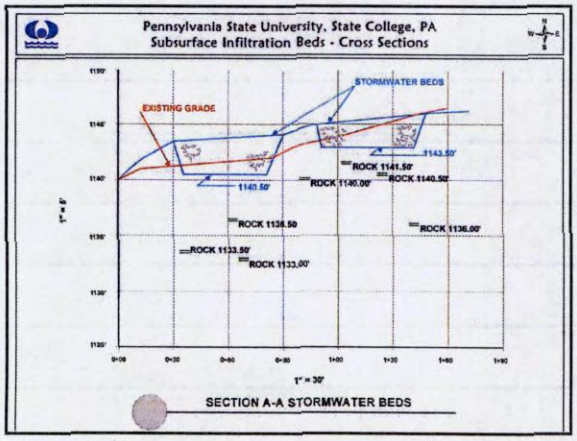
- Architect, Landscape Architect and Engineer worked together to fit design to site topography.

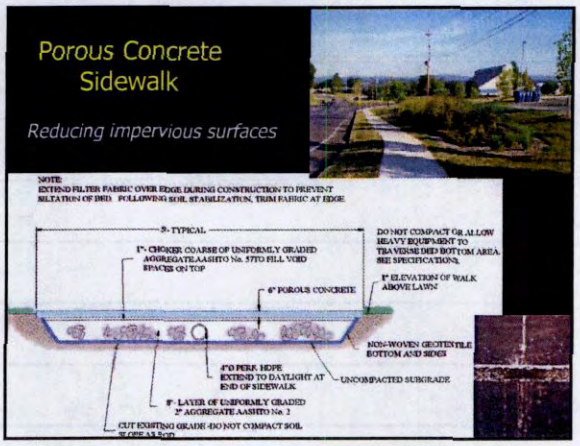


Porous Asphalt Parking with Groundwater Recharge Beds

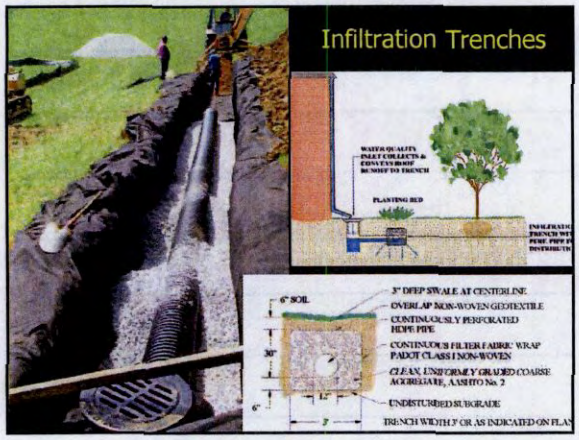
- Fitting stormwater into the built environment.
- Reducing the disturbance footprint.
- Eliminating detention basin
- Returning rainfall to groundwater





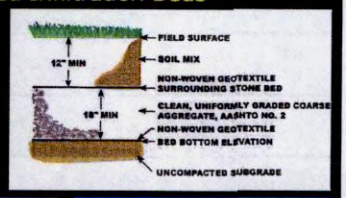

Porous Concrete Sidewalk
Reducing impervious surfaces
NOTE:
EXTEND FILTER FABRIC OVER EDGE DURING CONSTRUCTION TO PREVENT SILTATION OF BED. FOLLOWING SOIL STABILIZATION, TRIM FABRIC AT EDGE
5' TYPICAL
1"- CHOKER COARSE OF UNIFORMLY GRADED AGGREGATE AASHTO No. 57TO FILL VOID SPACES ON TOP
6" POROUS CONCRETE
DO NOT COMPACT OR ALLOW HEAVY EQUIPMENT TO TRAVERSE BED BOTTOM AREA. SEE SPECIFICATIONS.
1" ELEVATION OF WALK ABOVE LAWN
NON-WOVEN GEOTEXTILE BOTTOM AND SIDES
4"Ø PERF. HDPE EXTEND TO DAYLIGHT AT END OF SIDEWALK
UNCOMPACTED SUBGRADE
9" LAYER OF UNIFORMLY GRADED 2" AGGREGATE AASHTO No. 2
CUT EXISTING GRADE -DO NOT COMPACT SOIL

Rain Gardens / Bioretention
RECHARGE GARDEN / BIORETENTION BED
Using Soils and Vegetation to Reduce Volume
Pipe connected to Roof Drains
Domed Riser for Overflo
Soil/Planting Mix
Sand Bed (opt)
Gravel Base


Infiltration Trenches
PLANTING BED
6" SOIL
3" DEEP SWALE AT CENTERLINE
OVERLAP NON-WOVEN GEOTEXTILE
CONTINUOUSLY PERFORATED HDPE PIPE
CONTINUOUS FILTER FABRIC WRAP PADOT CLASS I NON-WOVEN
CLEAN, UNIFORMLY GRADED COARSE AGGREGATE, AASHTO No. 2
UNDISTURBED SUBGRADE
TRENCH WIDTH 3' OR AS INDICATED ON PLAN

Vegetated Infiltration Beds

Stormwater Below Planting Bed

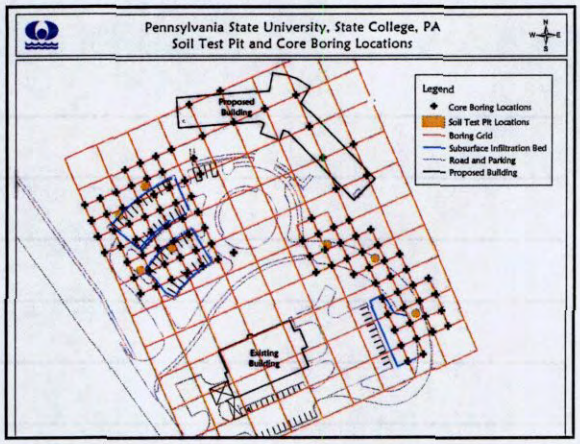


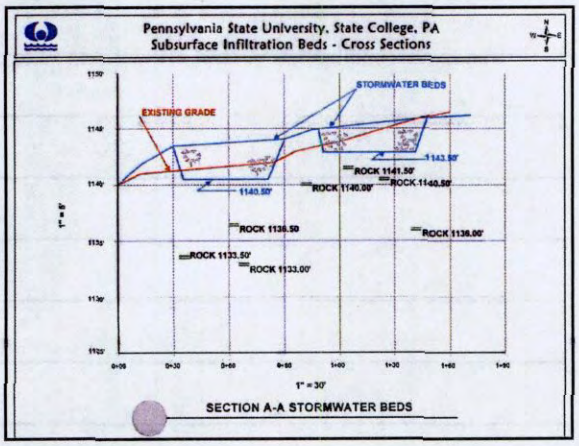
Site Design Considerations

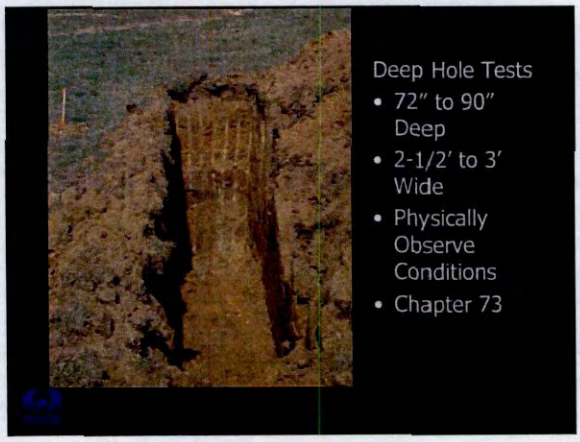
- Karst Topography / Sinkhole Concerns
- Shallow soil mantle
  - Hagerstown HSG "C"
- Downstream Flooding and Water Supply Wells
- Stormwater Management Goals
  - Volume: 2 Year Net Increase
  - Rate: 2-year through 100-year peak
  - Maintain Infiltration and Vegetation

Geology - Karst Area Evaluation

1. Geotechnical Investigation - Borings
   - Depth to rock
   - Pinnacles
   - Sinkhole potential
2. Sinkholes/depressions/other concerns
   - Detailed Geotechnical Evaluation
   - GPR or other techniques
3. Shallow Borings
   - 10 feet deep, 25 feet OC
   - Test Infiltration Areas

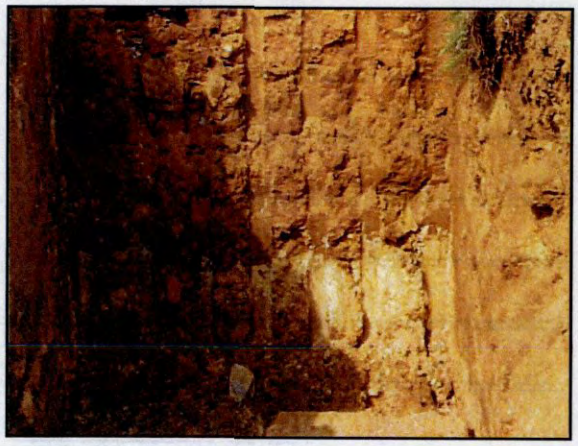

Pennsylvania State University, State College, PA
Soil Test Pit and Core Boring Locations
Legend
Core Boring Locations
Soil Test Pit Locations
Boring Grid
Subsurface Infiltration Bed
Road and Parking
Proposed Building
Proposed Building
Existing Building


Pennsylvania State University, State College, PA
Subsurface Infiltration Beds - Cross Sections
STORMWATER BEDS
EXISTING GRADE
1143.50'
ROCK 1141.50'
ROCK 1140.50'
ROCK 1140.00'
1140.50'
ROCK 1136.50
ROCK 1136.00'
ROCK 1133.50'
ROCK 1133.00'
1" = 30'
SECTION A-A STORMWATER BEDS


Deep Hole Tests
• 72" to 90" Deep
• 2-1/2' to 3' Wide
• Physically Observe Conditions
• Chapter 73

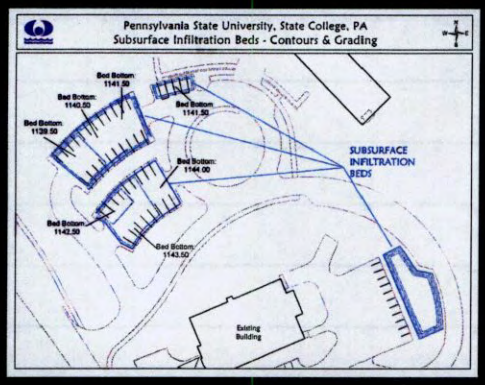
Deep Hole Observations

- Soil Horizons
- Depth to Water Table
- Depth to Bedrock
- Pores, Roots
- Soil Texture and Color
- Type and Percent Coarse Fragments
- Hardpan or Limiting Layers
- Strike and Dip



Infiltration Tests

- 6" to 10" diameter
- 12" depth
- Scarify sides and bottom
- Minimum of 8 readings or stabilized rate for 4 consecutive readings



Stormwater Design

- Manage 2-Year Runoff Volume Increase
- Infiltration – SPREAD IT OUT
  - 5:1 Ratio of Impervious Area to Infiltration Area
  - 3:1 Ratio for Limestone

	Volume of Stone Below Invert (ft^3)	Storage Volume* (ft^3)	Bottom Area (min) (ft^2)
Upper Parking Bay	4,955	1,982	3,750
Lower Parking Bay	11,374	4,550	5,225
Infiltration Bed	3,255	1,302	2,025
Infiltration Trench	1,420	568	450
TOTAL:	**21,004**	**8,402**	**3,361**

* Based on 40% void space in stone bed

2 Year Net Increase: 10,671 ft^3

Impervious Area: 13,818 ft^2

Ratio of Impervious to Infiltration Area:

13,818 ft^2 : 3,361 ft^2 = 4.1 : 1

Construction Criteria

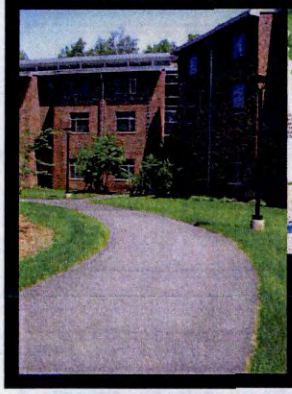
- Inspection Important
- Protect soils - Do not compact!
- Protect infiltration BMPs from sediment until drainage area is completely stabilized
- Sequencing
- Staging/stockpiling
- Use clean aggregate
- Establish/protect vegetation

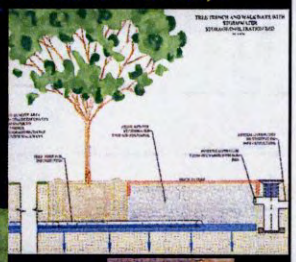
15. 8. 2002

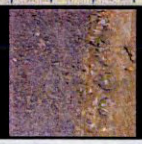
Penn State Berks Campus

- Reduce Site Disturbance
- Porous Pavement
- Infiltration beneath walkways
- Infiltration with Shallow Contour Trench
- Eliminated Existing Detention Basin
- Limestone

Infiltration Beneath Standard Walkways







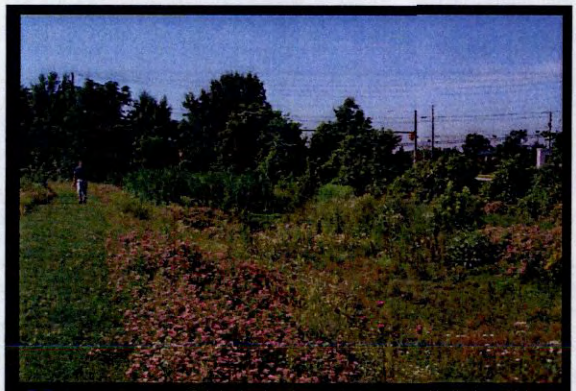
Water Quality and Volume

Flying J Truck Stop

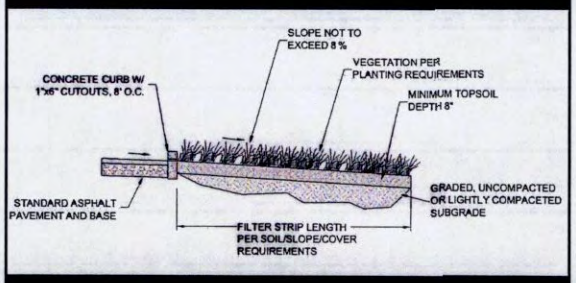
- Infiltration Below Standard Pavement
- Water Quality Treatment

Flying J Truckstop Carlisle, PA

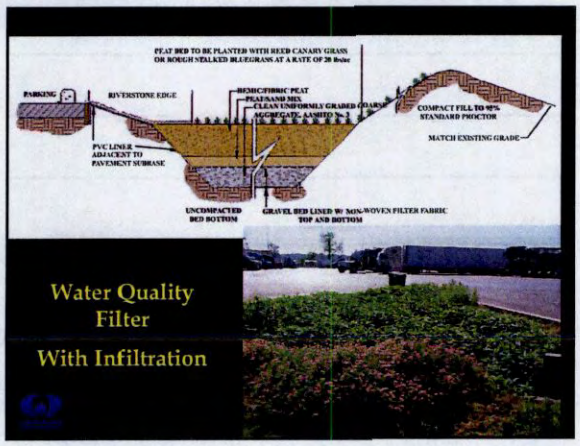
- Limestone
- Groundwater Supply Area
- Truck Circulation
- Water Quality



Pollutant laden stormwater is conveyed to this beautiful and functional constructed wetlands to benefit from phyto-remediation and infiltration.



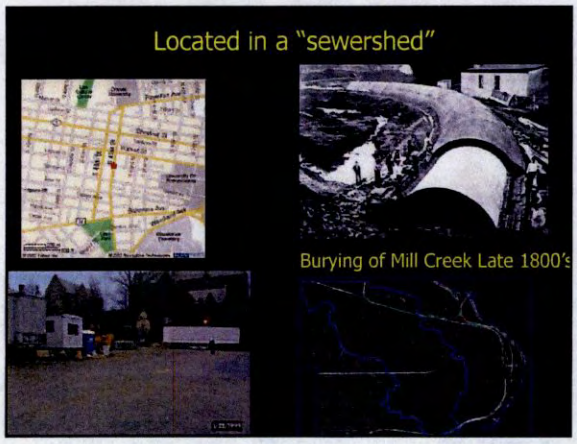
Filter Strip - Water Quality

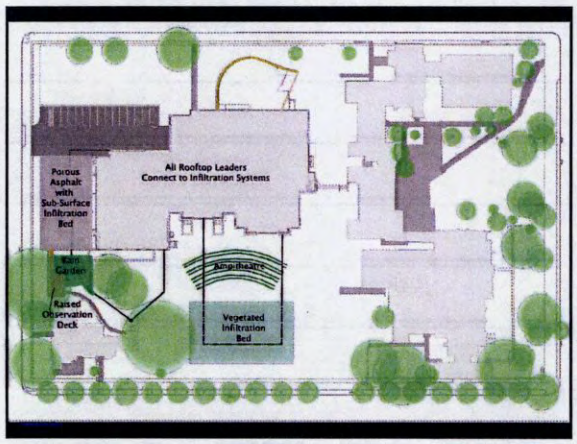


Urban Redevelopment: Sadie Alexander K-8 School

- Constructed in 2000
- Philadelphia Water Department
- Reducing Volume to Combined Sewers
- Urban Green Space:
  - Porous Playground
  - Playfield with Stormwater Bed Below
  - Rain Gardens
  - Education

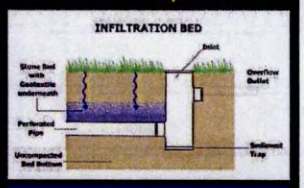
Located in a "sewershed"



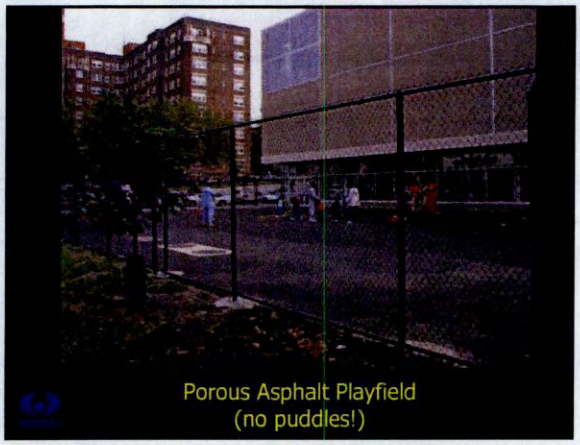


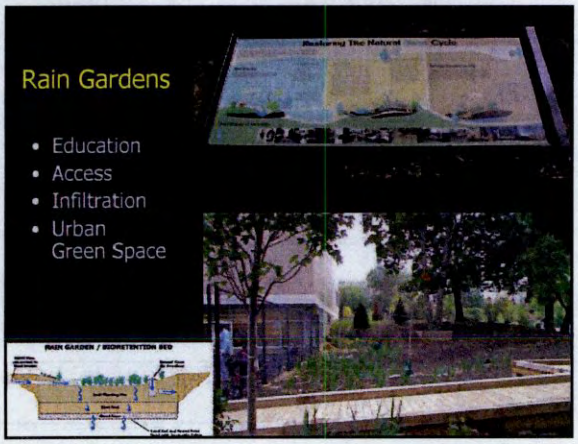
Stormwater Infiltration Below Playfield

- Roof Leaders from Building to Bed
- Old Urban Fill
- Infiltration to Reduce Volume
- Urban Green Space



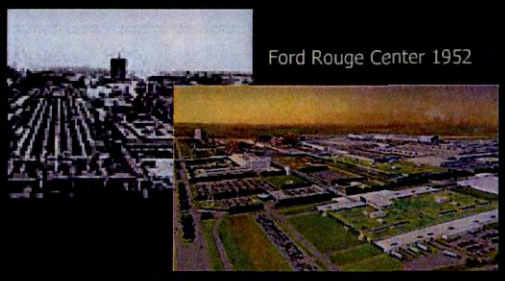
Sadie Alexander School Philadelphia


Porous Asphalt Playfield
(no puddles!)


Rain Gardens
• Education
• Access
• Infiltration
• Urban
Green Space
RAIN GARDEN / BIORETENTION BED

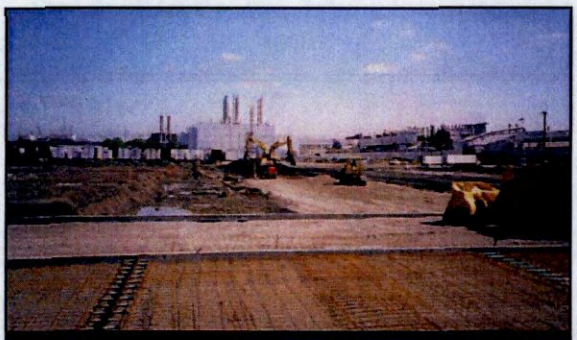
Health & Science
Capturing the rain

Industry:
Ford Rouge Center
Dearborn, Michigan



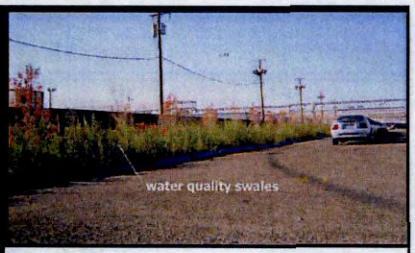
Ford Rouge Center 1952

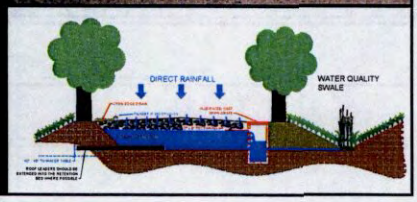
Artist Richard Rochon's rendering of an aerial view of the Ford Rouge Center that includes the new Ford assembly plant.



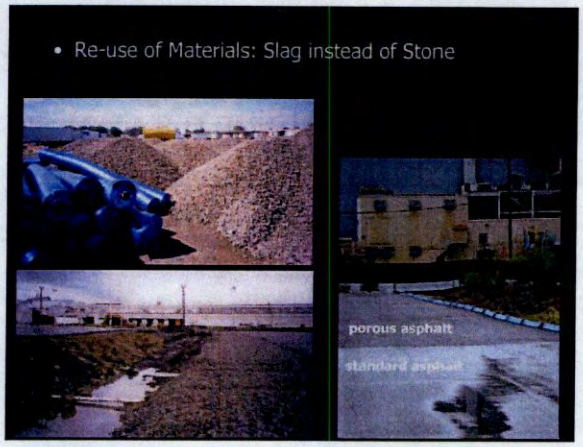
- 100 years of Industry
- Contamination
- Filled Wetlands

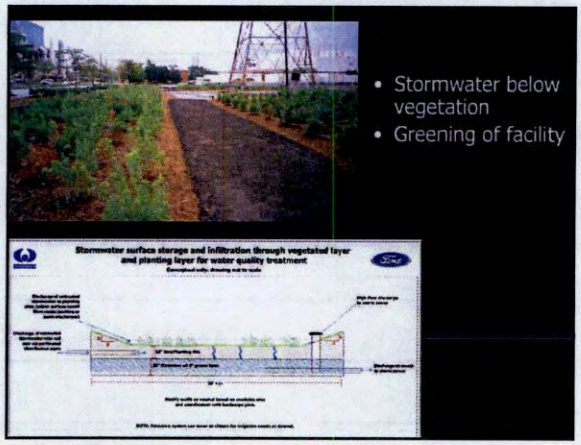
- Porous Pavement
- Vegetated Swales
- Fewer Pipes



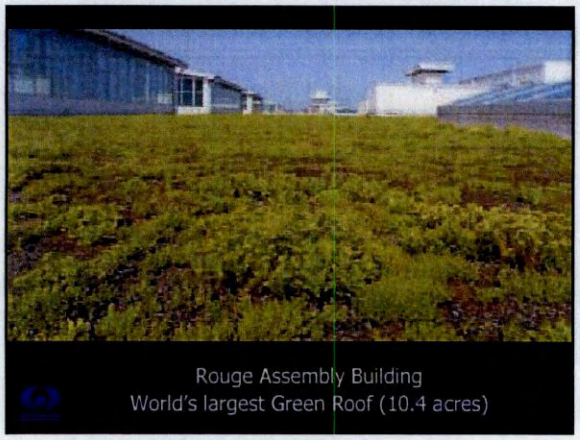


- Re-use of Materials: Slag instead of Stone





- Stormwater below vegetation
- Greening of facility



Rouge Assembly Building
World's largest Green Roof (10.4 acres)

1 – Porous pavement w/ subsurface storage

2 – 10.4 ac of green roof

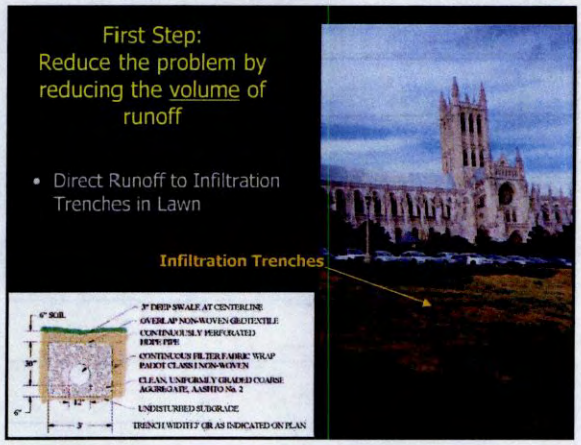
3 – Porous pavement w/ infiltration

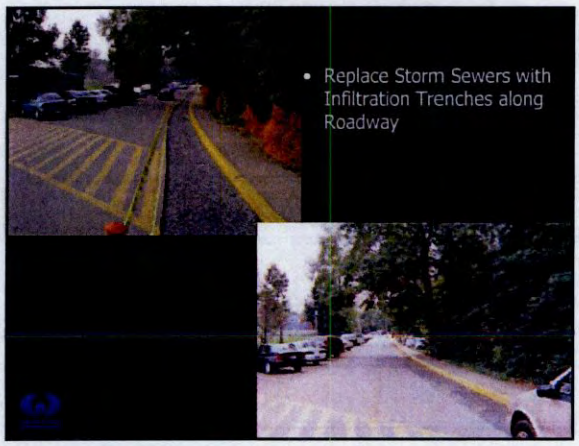
4 – Vegetated water quality swales and wetlands

Ford Rouge 2003

Restoration: Washington National Cathedral

- Cathedral and Parking on top of hill
- Surrounded by "Olmsted's Woods"
- Point Discharges eroding hillside, creating ravines
- Lack of Recharge: Diminished Soil Moisture and Dying Trees
- Invasive Vegetation


First Step:
Reduce the problem by reducing the volume of runoff
• Direct Runoff to Infiltration Trenches in Lawn
Infiltration Trenches
6" SOIL
3" DEEP SWALE AT CENTERLINE
OVERLAP NON-WOVEN GEOTEXTILE
CONTINUOUSLY PERFORATED HDPE PIPE
CONTINUOUS FILTER FABRIC WRAP PADOT CLASS I NON-WOVEN
CLEAN, UNIFORMLY GRADED COARSE AGGREGATE, AASHTO No. 2
UNDISTURBED SUBGRADE
TRENCH WIDTH 7' OR AS INDICATED ON PLAN
30"
12"
6"
3'


• Replace Storm Sewers with Infiltration Trenches along Roadway

• Intercept Storm Sewer
• Return water to woodland soils

Once the Volume is reduced

- Repair outfalls and ravines with check dams
- Prevent to continued loss of groundwater
- Make the structures look natural

Residential: Village at Springbrook

- High Density Residential
- 59 acres
- 269 homes:
  - 146 Townhouses
  - 96 Quads
  - 17 Singles
- Sinkholes and limestone

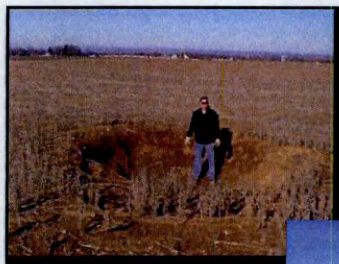
Can Stormwater be Managed with Multiple BMPS throughout the landscape?
127!

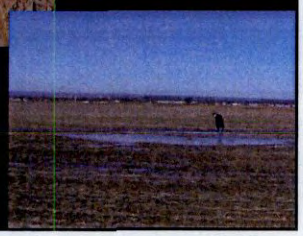
Springbrook Site

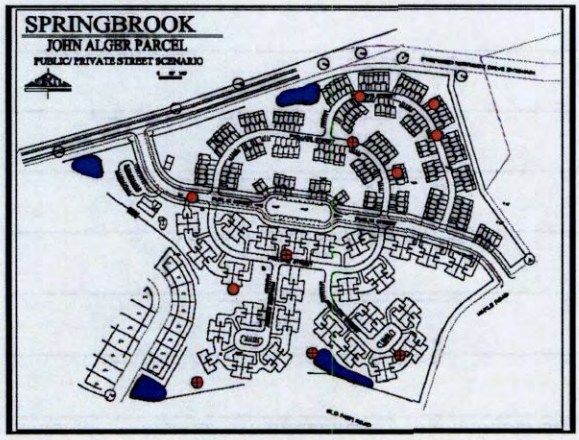
- Currently in Soybean and Corn Field
- Marked by closed depressions and some sinkholes
  - All large portion of the site is internally drained
- Well draining and thick soil mantle

Site Conditions

- Soybean and Corn Field
- All large portion of the site is internally drained







General Stormwater Strategy

- Maintain or reduce existing volumes of runoff
- Use distributed infiltration and vegetated systems
  - Proven strategies that minimize risk of subsidence
- Avoid building on or near closed depressions and sinkholes
- Minimize cut and fill to maximize available soil mantle

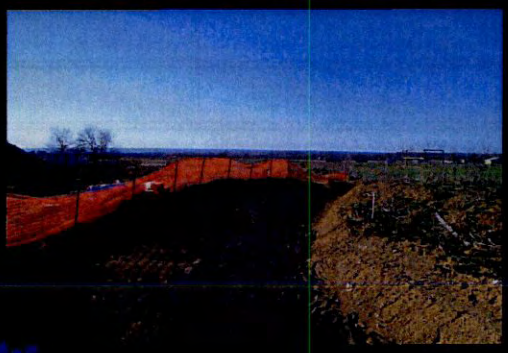
BMPs Integrated into the Site

- Infiltration Beds beneath Driveways
- Porous Concrete Sidewalks
- Porous Asphalt Paths
- Vegetated Swales and Checkdams
- Infiltration Beneath Planting Beds
- Rain Gardens
- Porous Pavement Parking

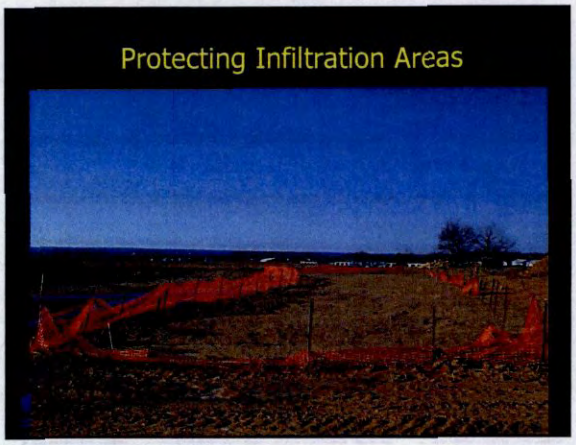
Calculations - Summary

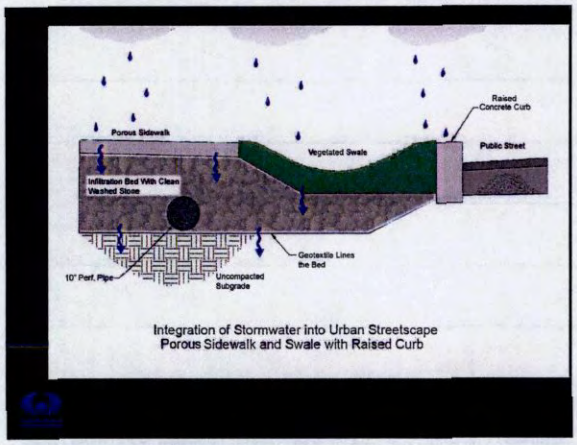
- Volume capture applied to all sub-watersheds
- All BMPs interconnected
- Loading rates, overflow structure sizing, and capacity relationships from detailed routing sub-basin applied to other basins
- Final check: TR-55 peak rate reduction estimates based on BMP capacities per basin

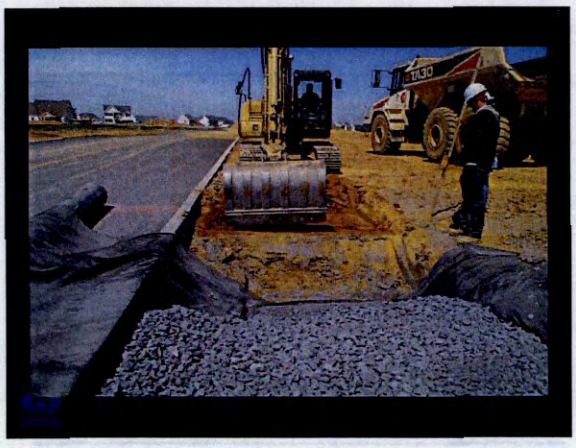
Vegetated Infiltration Bed

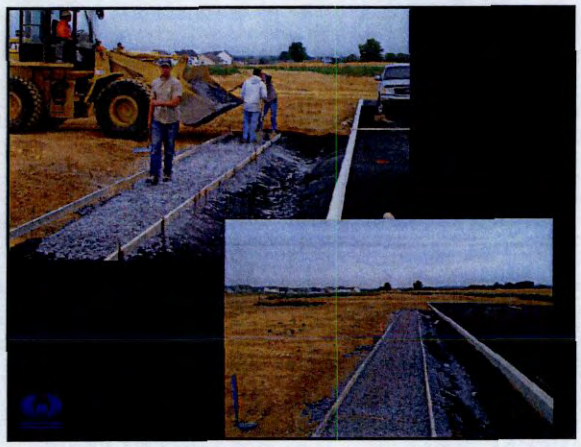


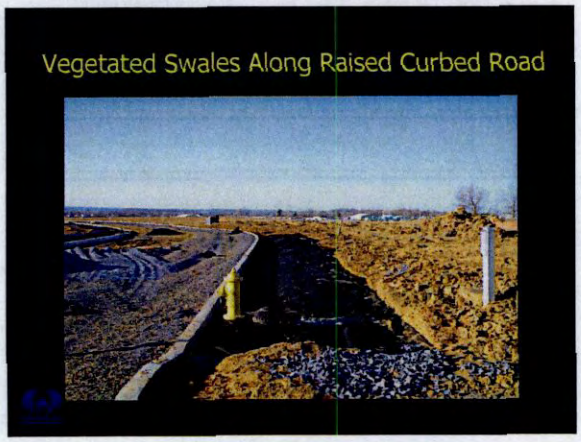
Vegetated Infiltration Bed


Protecting Infiltration Areas

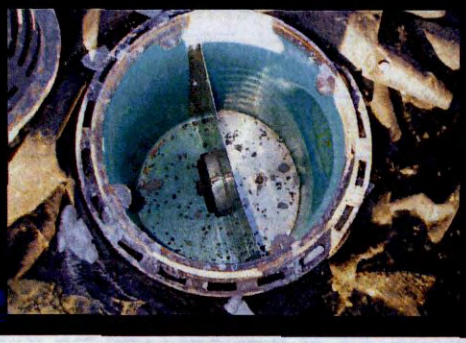

Raised Concrete Curb
Porous Sidewalk
Vegetated Swale
Public Street
Infiltration Bed With Clean Washed Stone
Geotextile Lines the Bed
10" Perf. Pipe
Uncompacted Subgrade
Integration of Stormwater into Urban Streetscape
Porous Sidewalk and Swale with Raised Curb

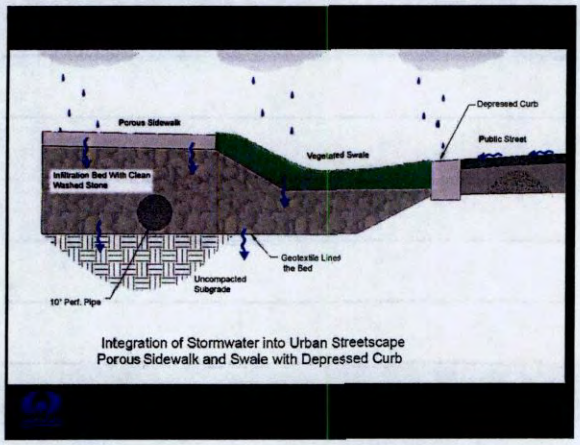





Vegetated Swales Along Raised Curbed Road

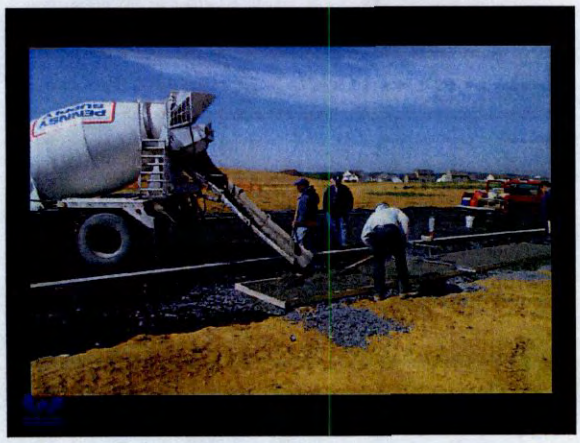
Inlets with Weirs to Control Flow and Water Level

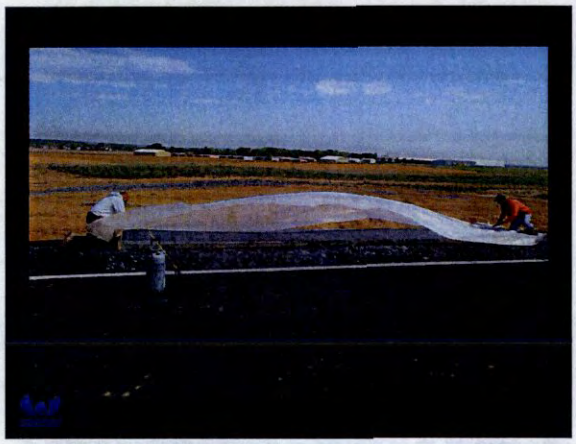


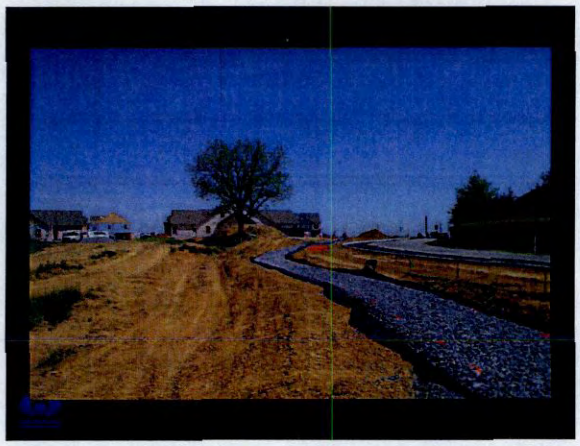


Integration of Stormwater into Urban Streetscape
Porous Sidewalk and Swale with Depressed Curb

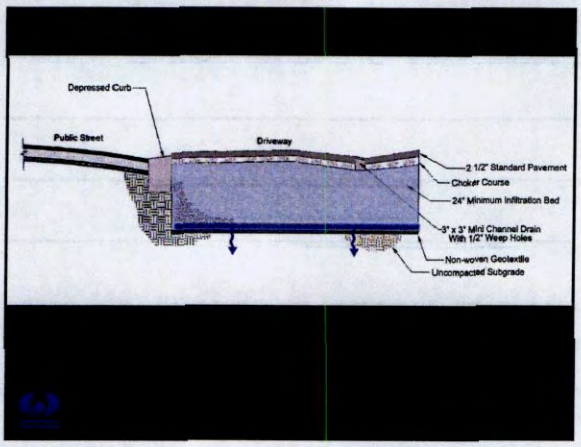
Vegetated Swales Along Roads with Depressed Curbs

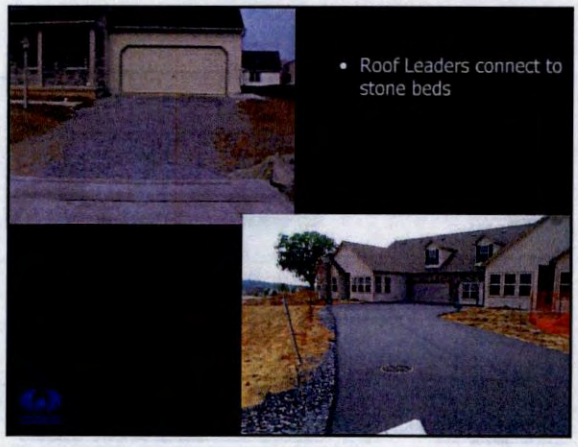


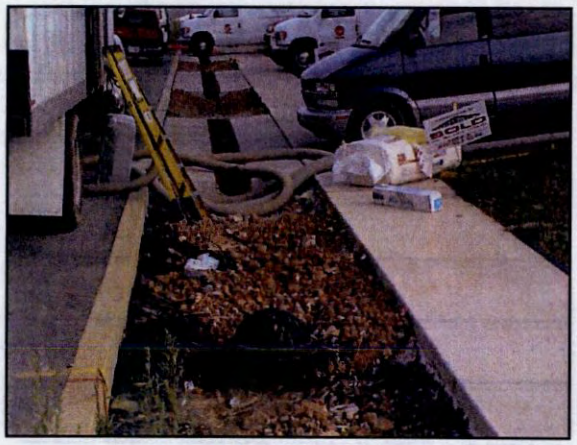




- Stormwater beds beneath driveways (standard asphalt).
- Overflow to swales along streets


Depressed Curb
Public Street
Driveway
2 1/2" Standard Pavement
Choker Course
24" Minimum Infiltration Bed
3" x 3" Mini Channel Drain
With 1/2" Weep Holes
Non-woven Geotextile
Uncompacted Subgrade

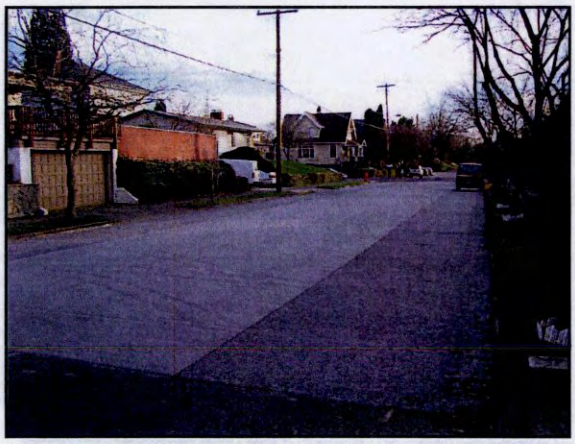

• Roof Leaders connect to stone beds

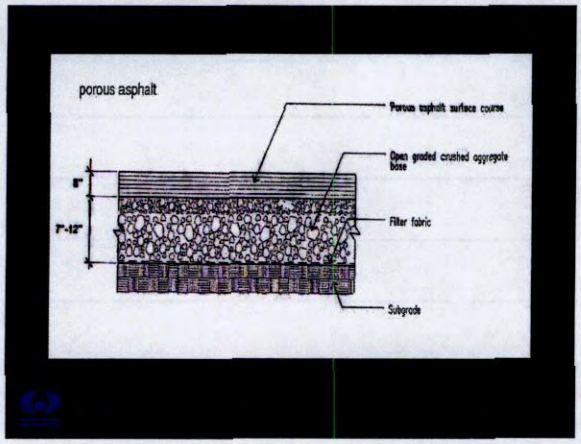


N Gay Avenue Pervious Pavement Pilot Project

N Sumner to N Webster (Pervious Asphalt in Parking Strips)
N Webster to N Alberta (Pervious Asphalt Curb-to-Curb)
N Alberta to N Humboldt (Pervious Concrete in Parking Strips)
N Humboldt to N Wygant (Pervious Concrete Curb-to-Curb)

BES Project Manager: Steve Fancher, PE
PDOT Pavement Designer: Brett Kesterson, PE
BES Construction Manager: Nick Naval, PE
Contractor: Parker Northwest
Project Completed September 2005




porous asphalt
Porous asphalt surface course
Open graded crushed aggregate base
Filter fabric
Subgrade
8"
7"-12"

Small and Large Stormwater Measures Built into the Landscape
Bioretention

How we design every site affects our water resources....*Design with Nature*

Sustainable Site Design

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The Right Choic for Porous Asphalt

By Thomas H. Cahill, P.E., Michele Adams, P.E., and Courtney Marm

Porous asphalt pavements are increasingly in demand because they offer site planners and public works officials the opportunity to manage stormwater in an environmentally friendly way.

Impervious surfaces such as roofs and pavements create runoff, so that dirt and debris are washed into streams and waterways. At the same time, water has often been regarded as the "enemy" of asphalt. Great efforts are taken to assure that water does not enter the roadway material, especially in areas with numerous freeze/thaw cycles.

Ironically enough, porous asphalt offers the opportunity to address both of these problems in many parking lot and paved area applications. With the proper design and installation, porous asphalt parking areas can provide cost-effective, attractive parking lots with a life span of twenty years or more, and at the same time, provide stormwater management systems that promote infiltration, improve water quality, and ***eliminate*** the need for a detention basin. While this almost sounds too good to be true, the technology is really quite simple.

The secret to success is to provide the water with a place to go, usually in the form of an underlying, open-graded stone bed. As the water drains through the porous asphalt and into the stone bed, it slowly infiltrates into the soil. The stone bed size and depth must be designed so that the water level never rises into the asphalt. This stone bed, often eighteen to thirty-six inches in depth, provides a tremendous subbase for the asphalt paving. Even after twenty years, porous lots show little if any cracking or pothole problems. The surface wears well, and while slightly coarser than standard asphalt, it is attractive and acceptable – most people parking on the lot will not notice (or believe) that it is porous.

A porous pavement is defined as one that allows water to drain all the way through the pavement structure. Porous asphalt does not necessarily require additives or proprietary ingredients, although polymers and/or fibers can be used to prevent draindown and to improve durability and shear strength. Constructing a porous surface does not require the contractor to have special paving equipment or skills. With the proper information, most asphalt plants can easily prepare the mix and general paving contractors can install it.

This article will discuss the background and costs of porous pavement, cite examples of successful installations, explain how it works, and explore design considerations. It will also discuss issues including soil and subsurface conditions, infiltration, water quality, construction, and maintenance.

e Pavements

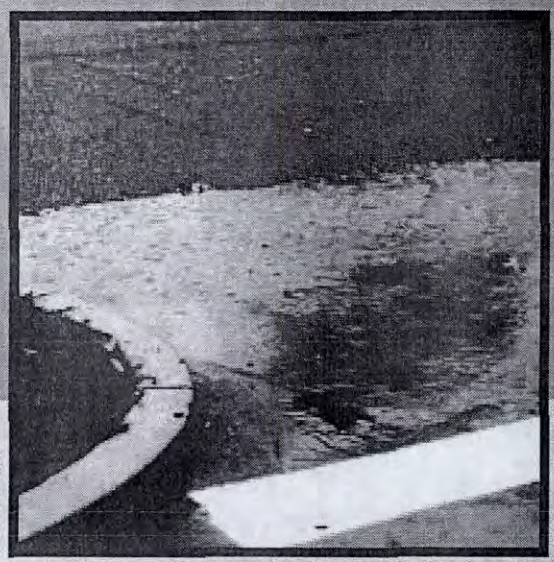


Figure 1 – As seen in this photograph, rainfall runs off traditional impervious asphalt but drains through the porous asphalt parking spaces.

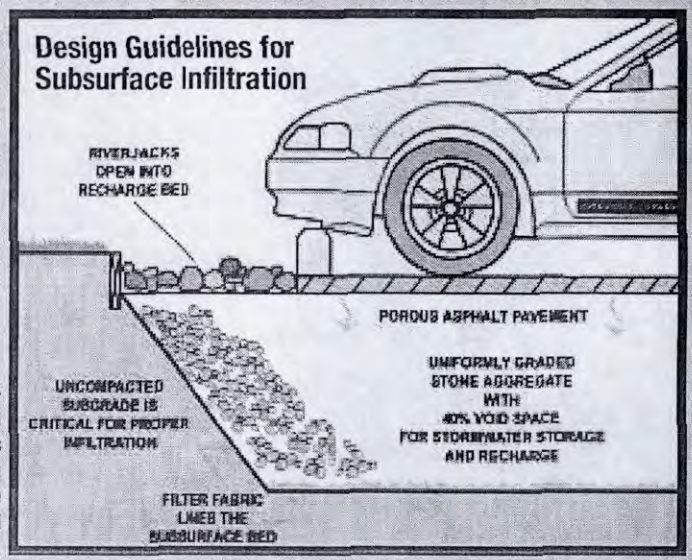


Figure 2 – Cross-section through porous asphalt showing subsurface infiltration bed beneath.

Background

First developed in the 1970s at the Franklin Institute in Philadelphia, porous asphalt pavement consists of standard bituminous asphalt in which the aggregate fines (particles smaller than 600 μ, or the No. 30 sieve) have been screened and reduced, allowing water to pass through the asphalt (Figure 1). Underneath the pavement is placed a bed of uniformly graded, clean-washed aggregate with a void space of 40 percent. Stormwater drains through the asphalt, is held in the stone bed, and infiltrates slowly into the underlying soil mantle. A layer of geotextile filter fabric separates the stone bed from the underlying soil, preventing the movement of fines into the bed (Figure 2).

Porous pavement is especially well suited for parking lot areas. Several dozen large, successful porous pavement installations, including some that are now 20 years old, have been developed by Cahill Associates (CA) of West Chester, Pennsylvania, mainly in Mid-Atlantic states. These systems continue to work quite well as both parking lots and stormwater management systems. In fact, many of these systems have outperformed their conventionally paved counterparts in terms of both parking lot durability and stormwater management.

Cost

Porous pavement does not usually cost more than conventional pavement. On a yard-by-yard basis, the asphalt cost is approximately the same as the cost of conventional asphalt. The underlying stone bed is usually more expensive than a conventional compacted sub-base, but this cost difference is generally offset by the significant reduction in stormwater pipes and inlets. Additionally, because porous pavement is designed to "fit into" the topography of a site, there is generally less earthwork and are no deep excavations.

When the cost savings provided by eliminating the detention basin are considered, porous pavement is generally an economically sound choice. On those jobs where unit costs have been compared, the porous pavement has always been the less expensive option. Current jobs are averaging between $2,000 and $2,500 per parking space for parking, aisles, and stormwater management.

A recent installation at the University of North Carolina in Chapel Hill included parking lots where some sections were constructed from porous asphalt and some sections used porous concrete. The cost differential was approximately 4:1 – that is, the porous concrete pavement cost four times as much as the porous asphalt pavement. All other installations cited in this article are asphalt pavements.

Installations Old and New

One of the first large-scale porous pavement/recharge bed systems that CA designed is located in a corporate office park in the suburbs of Philadelphia (East Whiteland Township, Chester County). This particular installation of about 600 parking spaces posed a challenge because of both the sloping topography and the underlying carbonate geology that was prone to sinkhole formation. The site also is immediately adjacent to Valley Creek, designated by Pennsylvania as an Exceptional Value stream where avoiding nonpoint source pollution is of critical importance.

Constructed in 1983 as part of the Shared Medical Systems (now Seimens) world headquarters, the system consists of a series of porous pavement/recharge bed parking bays terraced down the hillside connected by conventionally paved impervious roadways. Both the top and bottom of the beds are level, as seen in Figure 3, hillside notwithstanding. After twenty years, the system continues to function well and has not been repaved. Although this area is naturally prone to sinkholes, far fewer sinkholes have occurred in the porous asphalt areas than in the conventional asphalt areas, which the site manager attributes to the broad and even distribution of stormwater over the large areas under the porous pavement parking bays.

Figure 3 – Porous pavement parking bays are "benched" down a hillside.

Other early 1980s sites, such as the SmithKline Beecham (now Quest) Laboratory in Montgomery County, Pennsylvania, and the Chester County Work Release Center in Chester County, Pennsylvania, also used the system of "terracing" the porous paved recharge beds down the hillside to overcome the issues of slope. At the DuPont Barley Mills office complex in Delaware, the porous pavement was constructed specifically to avoid the construction of a detention basin, which would have destroyed the last wooded portion of the site. More recently (1997), the porous parking lots at the Pennsylvania State Berks Campus were constructed to avoid destroying a wooded campus hillside. The Pennsylvania State Berks lots, also on carbonate bedrock, replaced an existing detention basin and have not experienced the sinkhole problems that another campus detention basin has suffered.

How It Works

The porous asphalt mix has a lower concentration of fines than traditional asphalt, as shown in Table 1, accomplished by straightforward screening. In all other manufacturing aspects, porous asphalt is the same as conventional asphalt and can be mixed at a standard asphalt plant. With fewer fines, the asphalt is porous and allows water to drain though the material through virtually imperceptible openings (To the untrained eye, porous pavement properly prepared is difficult to distinguish from conventional pavement.). There are several variations of the mix, including gradations developed by various state transportation departments seeking a pavement that also can be used to reduce noise and skidding. For the purposes of stormwater management, we have found the best performance from the mix indicated in Table 1.

Table 1 – Standard porous asphalt mixes

US Standard Sieve Size	Percent Passing
1/2"	100
3/8"	95
#4	35
#8	15
#16	10
#30	2

Percent binder 5.75% to 6.0% by weight

The underlying stone recharge bed consists of a uniformly graded (i.e., screened) 1.5-inch to 2.5-inch clean-washed stone mix, such as an AASHTO No. 3. Depending on local aggregate availability, both larger and smaller size stones have been used. The important requirement is that the stone be uniformly graded (to maximize void space) and clean washed. The void space between the stones provides the critical storage volume for the stormwater. Stones that are dusty or dirty may clog the infiltration bed and must be avoided.

The stone bed is usually between eighteen and thirty-six inches deep, depending on stormwater storage requirements, frost depth considerations, and site grading. This depth provides a significant structural base for the pavement. As a result, porous asphalt exhibits very few of the cracking and pothole formation problems encountered in conventional pavement.

The bottom of the recharge bed is excavated to a level surface and is not compacted. This allows water to distribute and infiltrate evenly over the entire bed bottom area. Compaction of the soils will prevent infiltration, so it is important that care be taken during excavation to prevent this. The bottom of the bed cannot be placed on fill material unless that fill material is stone. A layer of non-woven geotextile at the

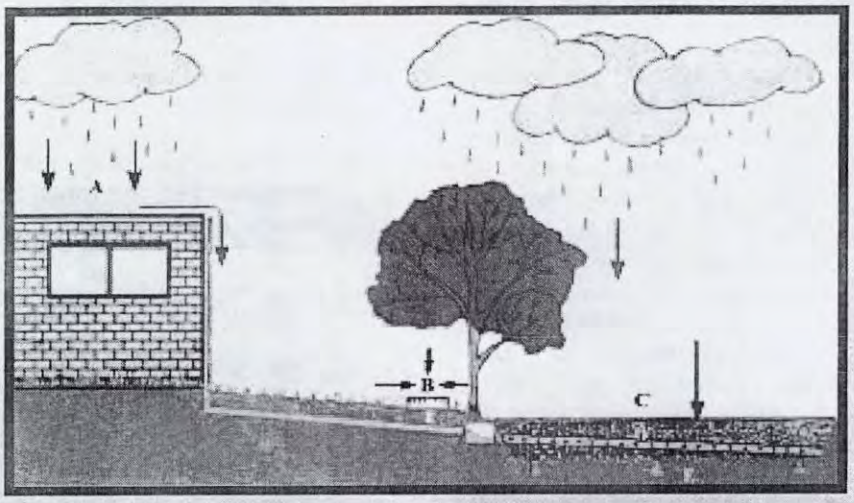


Figure 4 – Roof leaders can be connected directly to the subsurface infiltration bed.
A. Precipitation is carried from roof by roof drains to storage beds.
B. Stormwater runoff from impervious areas and lawn areas is carried to storage beds.
C. Precipitation that falls on pervious paving enters storage bed directly.
D. Stone beds with 40 percent void space store stormwater. Perforated pipes distribute stormwater from impervious surfaces evenly throughout the beds.
E. Stormwater exfiltrates from storage beds into soil and recharges the groundwater.

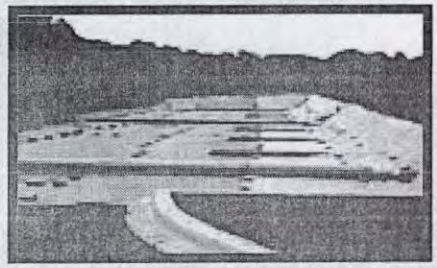


Figure 5 – Perforated pipes distribute stormwater evenly throughout the infiltration bed. Geotextile allows water to drain but prevents soil movement into stone.

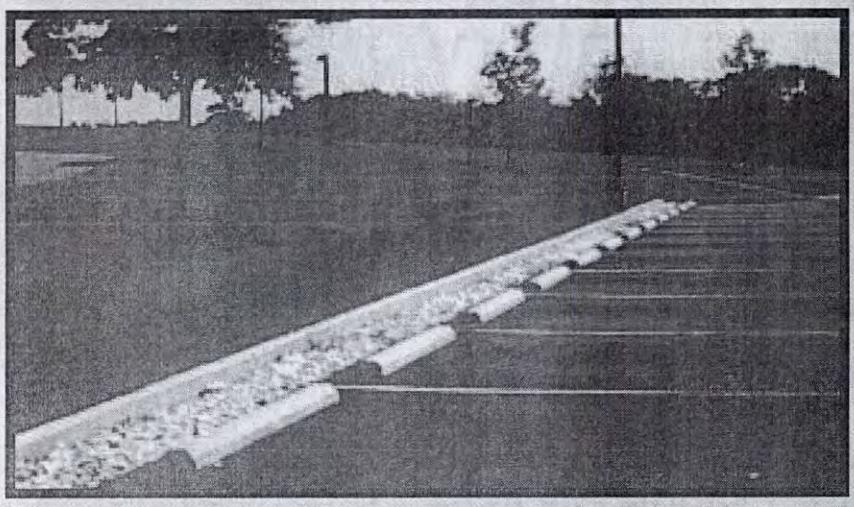


Figure 6 – In the event that the surface is repaved, an unpaved stone edge will still allow stormwater to reach the stone bed.

bottom of the bed allows the water to drain into the soil while preventing the soil particles from moving into the stone bed. The steps involved in a typical porous asphalt installation are shown in the accompanying series of photographs.

Very often, the underlying stone bed can also provide stormwater management for adjacent impervious areas such as roofs and roads. To achieve this, we convey the stormwater directly into the stone bed and then use perforated pipes in the stone bed to distribute the water evenly (Figure 4).

Design Considerations

In the late 1970s and early 1980s, as we designed our first systems, we were uncertain how well the porous asphalt would hold up over time and use. In these first systems, we designed the parking spaces with porous pavement but constructed the aisles and connector roadways with conventional asphalt. We extended the stone stormwater storage/infiltration bed under the entire parking area, however, including the areas with impervious paving.

Over time, we have found that the porous asphalt material has held up as well as, or better than, the conventional asphalt, largely due to the solid sub-base provided by the stone storage/infiltration bed. In subsequent designs we have paved the entire surface in the porous asphalt. We have found that sufficient asphalt content is essential to pavement durability (5.75 percent to 6.0 percent bituminous asphalt by weight). In sites where a lower asphalt content was used, some surface scuffing and/or raveling can be observed on the pavement surface. In different situations, we have tried various commercial additives intended to improve strength or performance in cold weather, but in general have avoided any proprietary mixes or additives.

We have also taken the "belt and suspenders" approach to all of our systems. If the pavement were to be paved over, forgotten, or clogged, stormwater still must reach the stone bed below the pavement. Often, we have used an unpaved stone edge, as shown in Figure 6, for this purpose. We have also used catch basins that discharge to perforated pipes in the bed.

Additionally, in case the bed

bottom clogs (which has not happened yet), we have always designed the underlying bed systems with a "positive overflow." During a storm event, as the water in the underlying stone bed rises, it must never be allowed to saturate the pavement. We have used a catch basin with a higher outlet than inlet to provide positive release. In this way, the bed also serves as an "underground detention basin," eliminating the need for a separate basin.

The stormwater component of the system should be designed by an engineer proficient in hydrology and stormwater design. Essentially, the bed acts as an underground detention basin in extreme storm events, albeit one that also reduces volume. A storm can be "routed" through the bed using the same calculation methods employed to route detention basins to confirm peak rate mitigation.

As a final design consideration, infiltration systems also work best when the water is allowed to infiltrate over a large area. We usually use a rule of thumb and design to a ratio of 5:1 impervious area to infiltration area. That is, the runoff from five acres of impervious area would require a one-acre infiltration bed. Because parking tends to consume so much of our landscape relative to other impervious surfaces, meeting this ratio is rarely a problem.

Soil and Subsurface Conditions

Obviously, suitable soil conditions are required for infiltration. The designer must evaluate a number of factors, including soil type, infiltration rate, depth to bedrock, and depth to water table. Some of the guidelines that we have used in design are shown below.

The most important factor is that the location of the porous pavement infiltration system be considered early in the design process. Traditionally, engineers have designed stormwater systems that collect and convey runoff to the lowest point. By the time you have done this, you are likely to be at the wettest location on the site, next to the stream or wetlands or in poor soils. Infiltration systems perform best on upland soils. Some of our more recent designs integrate a mixture of large and small infiltration systems throughout the site, including porous pavement, to avoid conveying stormwater any distance.

Here is a summary of design guidelines for subsurface infiltration.

- Avoid piping water long distances. Look for infiltration opportunities within the immediate project area.
- Consider past uses of the site and appropriateness of infiltration design and porous pavement.
- Consider the source of runoff. Incorporate sediment reduction techniques as appropriate.
- Perform site tests to determine depth to seasonal high water table, depth to bedrock, and soil conditions, including infiltration capabilities. Design accordingly. Maintain three feet above high water table and two feet above bedrock.
- Avoid excessive earthwork (cut and fill). Design with the contours of the site. Maintain a sufficient soil buffer above bedrock.
- Do not infiltrate on compacted fill.
- Avoid compacting soils during construction.
- Maintain erosion and sediment control measures until site is stabilized. Sedimentation during construction can cause the failure of infiltration systems.
- Spread the infiltration over the largest area feasible. Avoid concentrating too much runoff in one area. A good rule of thumb is 5:1 impervious area to infiltration area (i.e., 5 acres of impervious area to 1 acre of infiltration area). A smaller ratio is appropriate in carbonate bedrock areas.
- The bottom of the infiltration area should be level to allow even distribution.
- The slope on which the porous pavement is placed should not exceed 5 percent. Use conventional pavement in steep areas that receive vehicular traffic.
- Provide thorough construction oversight.

Before any infiltration system is designed, soil investigation must be done. This consists of two steps. First, a simple "deep hole" six to eight feet in depth (Figure 7) is excavated with a backhoe and the soil conditions are observed. While some designers prefer an auger, we believe that there is no substitute for physically observing and describing the soil horizons. Next, infiltration measurements are performed at the approximate bed bottom location. We have used both simple percolation tests, which are not very scientific, as well as infiltrometer readings. We do not consider infiltration rates between 0.1 inch per hour and 0.5 inch per hour too slow; rather, this means that infiltration will occur slowly over a two- to three-day period, which is ideal for water quality improvement.

Underlying geology must also be considered in areas such as those underlain by carbonate formations. In that situation, more detailed site investigation may include borings and ground-penetrating radar. Contrary to popular belief, properly designed infiltration systems do not create sinkholes. A number of our systems, including older systems, are located in carbonate areas. In

Figure 7 – Excavating a "deep hole" with a backhoe allows field investigation of the soils prior to construction.

several situations, we have successfully installed porous pavement infiltration systems adjacent to areas where detention basins had previously created sinkholes.

When Infiltration Is Limited

Despite the need for infiltration, not all sites and soils are suitable. In those situations, we have designed porous pavement systems to reduce impervious surfaces or as part of a water quality improvement program. The porous pavement parking lots recently constructed at the John Heinz National Wildlife Refuge near the Philadelphia Airport are located in a wet, low-lying site that has been subject to fill over the years. The soils are not well drained. In this situation, a trench was excavated to a lower gravel layer to facilitate infiltration, but the parking lots primarily serve to avoid the creation of new impervious surfaces at this valuable wildlife refuge.

At the Ford Motor Company Rouge River Facility in Dearborn, Michigan, the use of porous pavement is an important part of Ford's commitment to sustainability. The original manufacturing plant was constructed in a low-lying, wet area and has been subject to a century of industrial use. In 1999, Ford constructed a porous parking lot designed to slowly drain to a series of planted wetland swales (Figures 8 and 9).

The stormwater stored in the beds beneath the porous pavement supports the vegetated swales by discharging slowly to the planted areas. The system is specifically designed to improve water quality.

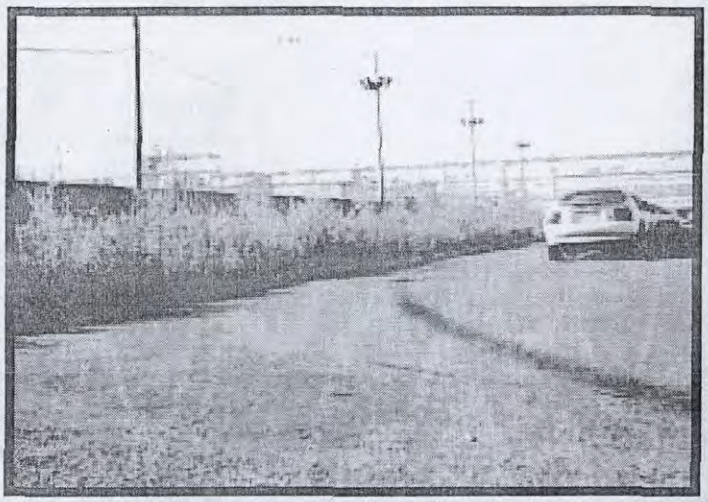


Figure 8 – The Mustang Lot at Ford Motor Co. is made of porous asphalt that drains stormwater to vegetated bioswales.

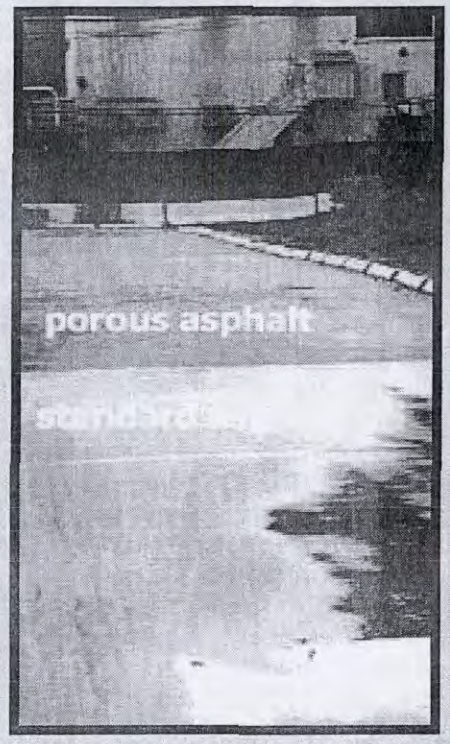


Figure 9 – The porous and standard sections of Ford Motor Co.'s lot.

Table 2 – Water quality benefits of porous pavement with infiltration

Water Quality Parameter	INFILTRATION BMP TYPE				
	Trench	Trench	Porous Paving	Porous Paving	Average Removal Efficiency
TSS	90%	—	95%	89%	91%
TP	60%	68%	71%	65%	66%
TN	60%	—	—	83%	72%
TOC	90%	—	—	82%	86%
Pb	—	—	50%	98%	74%
Zn	—	—	62%	99%	81%
Metals	90%	—	—	—	90%
Bacteria	90%	—	—	—	90%
BOD	75%	—	—	—	75%
Cd	—	—	33%	—	33%
Cu	—	—	42%	—	42%
TKN	—	53%	—	—	53%
Nitrate	—	27%	—	—	27%
Ammonia	—	81%	—	—	81%

Sources: *Backstrom, M., 1999. Brown and Schueler, 1997. Hogland and Niemczynowicz, 1986. Schueler, T.R., 1992. US EPA, 1999.*

Referred to as the "Mustang Lot" (because new Ford Mustangs are parked there after assembly), the lot has worked well, and current Ford plans include the construction of additional areas of porous pavement areas that will drain to constructed stormwater wetlands.

Water Quality

There has been limited sampling data on the porous pavement systems, although the available data indicate a very high removal rate for total suspended solids, metals, and oil and grease (Table 2). More recently, Brian Dempsey, Ph.D., and his research assistant, David Swisher, have conducted research at the Pennsylvania State University. Dr. Dempsey has been studying a porous pavement system constructed at the Centre County/Pennsylvania State Visitor Center in 1999, comparing the water quality in the infiltration beds to observed runoff from a nearby impervious parking lot. Dr. Dempsey has monitored the infiltration rates of this system and found that the system has maintained a consistent infiltration rate. During a 25-year precipitation event, there was no surface discharge from the stone beds.

Construction

Almost always, when an infiltration Best Management Practice (BMP) fails, it is due to difficulties and mistakes in the design and construction process. This is true for porous pavement and all other infiltration BMPs. Carelessness in compacting the subgrade soils, poor erosion control, and poor-quality materials are all causes of failure. For that reason, we provide detailed specifications on site protection, soil protection and system installation.

On every project, we meet with the contractor before construction and discuss the need to prevent heavy equipment from compacting soils, the need to prevent sediment-laden waters from washing on to the pavement, the need for clean stone, etc. We verbally review the installation process with the project foreman. During construction, we

routinely stop by the site or provide construction advice. Successful installation of any infiltration BMP is a hands-on process that requires an active role for the designer. While we have prevented failures with this approach, most of the problems we have seen at other infiltration BMPs are a result of construction problems. Often, the failure does not lie with the contractor or with poor soils, but instead is due to a lack of specific guidance for construction procedures.

Because construction sites are inherently messy places, we have often found it best to install the porous pavement towards the end of the construction period. By doing this, there is less risk of creating problems. On many projects, we will excavate the stone bed area to within six inches of the final grade and use the empty bed area as a temporary sediment basin and stormwater structure. Care must be taken to prevent heavy equipment from compacting the soils, but sediment can accumulate.

In the later stages of the project, the sediment is removed, the bed is excavated to final grade, and the porous pavement system is installed. This also avoids the need for a separate sediment basin during construction.

Maintenance

We recommend that all porous pavement surfaces be vacuum-swept twice per year with an industrial vacuum sweeper. Unfortunately, like many stormwater maintenance requirements, this advice is often overlooked or forgotten. Fortunately, even without regular maintenance, the systems continue to function (We routinely send observers out in heavy storms to confirm this.).

When runoff is conveyed from adjoining areas or roof surfaces into the bed, we often use a drop inlet box or other structure to reduce the amount of detritus and sediment that is conveyed to the bed. This structure also requires regular removal of sediment and debris.

Deicing and Freezing Issues

One of the most common questions relates to concerns about freezing conditions. Freezing has not been an issue, even in very cold climates. We were quite surprised when the owners of early installations first told us that there was less need to snowplow on the porous pavement surfaces. The water drains through the pavement and into the bed below with sufficient void space to prevent any heaving or damage, and the formation of "black ice" is rarely observed. The porous surfaces tend to provide better traction for both pedestrians and vehicles than conventional pavement. Not a single system has suffered freezing problems.

Obviously, the use of sand or gravel for deicing would be detrimental to the porous surface. Salt may be used, however, and the surface may be plowed if needed. Most sites have found that light plowing eliminates the need for salt since the remaining snow quickly drains through the asphalt. This has the added benefit of reducing groundwater and soil contamination from deicing salts.

Where it Doesn't Work

Porous asphalt is not recommended for slopes over 6 percent. We have not used the material for roadways, although it has been applied to some degree in Europe. There are also locations where the threat of spills and groundwater contamination is quite real. In those situations (such as truck stops and heavy industrial areas), we have applied systems to

Figure 10 – Swarthmore College has porous asphalt walking paths

Figure 11 – Penn New School in Philadelphia utilizes porous asphalt for a playground

treat for water quality (such as filters and wetlands) before any infiltration occurs. The ability to contain spills must also be considered and built into the system. Finally, we have avoided the use of porous asphalt in areas where the pavement is likely to be coated or paved over due to a lack of awareness, such as individual home driveways.

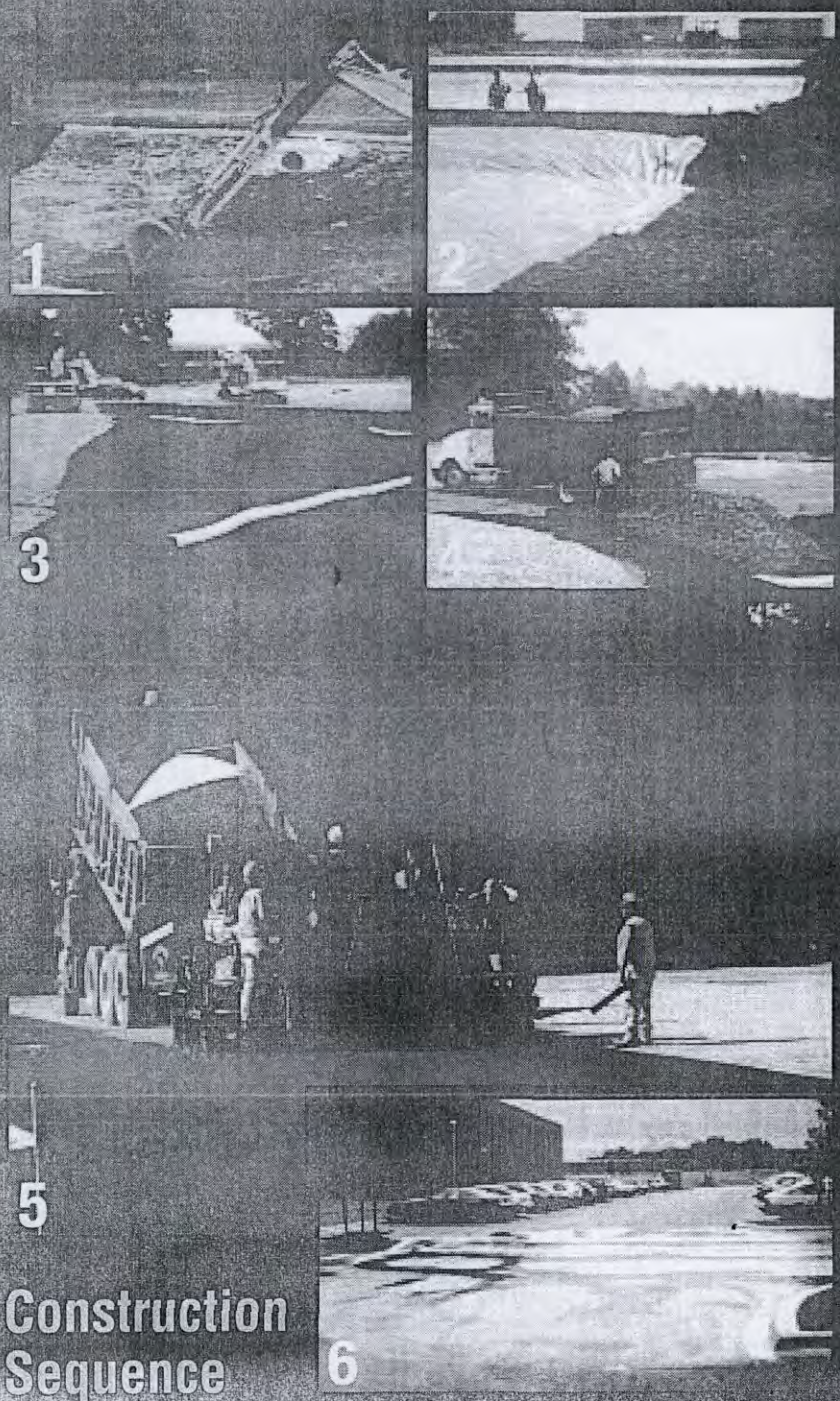
Variations on the Theme: Porous Walkways and Playgrounds, Porous Concrete

More recently, we have applied the asphalt to situations such as walkways and playgrounds, including paths at Swarthmore College in Philadelphia (Figure 10) and an urban playground at the Penn New School in Philadelphia (Figure 11). At Swarthmore College, the paths are not part of an infiltration bed but are merely intended to reduce impervious cover. The Penn New School project works to reduce the volume of stormwater discharging to the Philadelphia combined sewer overflows. Both of these applications are "retrofits" in urban areas that were previously paved.

Although we have used other materials such as porous concrete for both sidewalks and parking areas, the asphalt is less expensive and easier to install, and it remains our first choice. Even in hot Southern climates, such as the University of North Carolina in Chapel Hill where two large commuter parking lots have recently been installed, the porous asphalt has performed quite well.

Summary

Porous bituminous asphalt for parking lots has proven itself to be one of the most effective and affordable techniques for addressing stormwater



Construction Sequence

1. The subsurface infiltration bed located beneath the porous pavement must be excavated without heavy equipment compacting the bed bottom. Fine grading is done by hand.
2. Earthen berms (if used) between infiltration beds should be left in place during excavation. These berms do not require compaction if proven stable during construction.
3. Non-woven geotextile is laid immediately after fine grading is completed.
4. Clean (washed) uniform graded aggregate is placed in the bed as the storage medium.
5. The asphalt is laid down just like conventional asphalt.
6. The finished surface looks like conventional asphalt – until it rains. Infiltration beds are completely under the parking lots, minimizing the disturbance envelope.

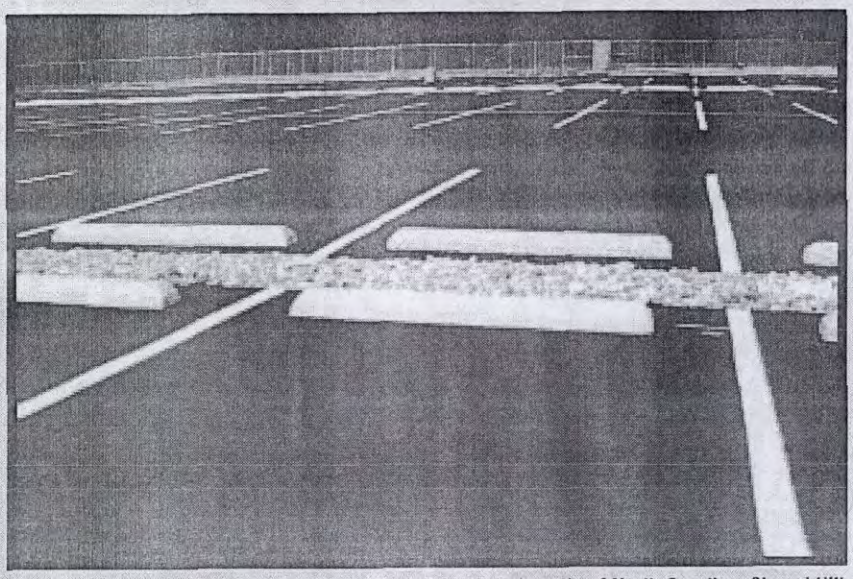
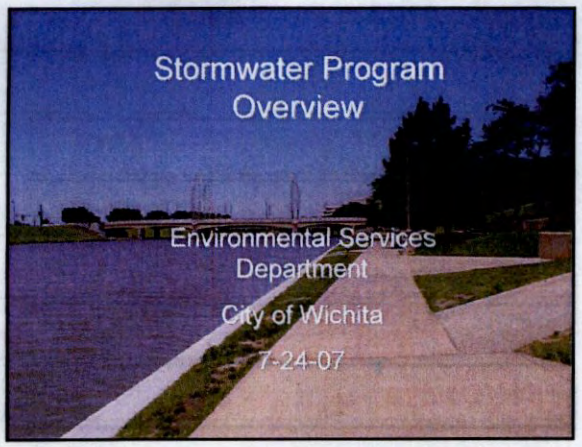


Figure 12 – Porous asphalt at the Commuter Lot at the University of North Carolina, Chapel Hill

management from development. It performs in both hot and cold climates and in a variety of situations. To date, our installations include pavements at schools and universities, corporate offices, industrial sites, shopping centers, parks, libraries, a prison, and even fast food restaurants. Porous asphalt is cost-effective, long-lasting, and an ideal solution to reducing the environmental effects of pavement.

Thomas Cahill is President, Michele Adams is Principal Engineer, and Courtney Marm is a Planner, all at Cahill Associates.

HMAT



Why do we need this?

To protect our watershed.

What is a Watershed? A watershed can be defined as the area of land that drains to a particular point along a stream.

Everyone lives in a watershed.

Why do we need this?

To protect our citizens.

- Streams feed the rivers in a watershed system; our source of drinking water, recreation and much more.
- When pollutants enter the waterways, they affect sensitive plants, animals and small bugs.
- Everyone lives in a watershed and can help keep the streams and rivers clean and usable for all.

Why do we need this?

To protect our streams.

Water runs off rooftops, lawns, driveways, streets and parking lots → Enters the storm drain system, picking up solvents, sediments and other pollutants along the way → Finally, the stormwater is sent DIRECTLY to the streams, there is NO treatment

There is a greater public awareness and concern about the quality of our water.

- The Clean Water Act, enforced by the Environmental Protection Agency (EPA), says we have to comply with the regulations.
- The City of Wichita has a special permit (NPDES) that tells us the rules we have to follow, they include:

Public Education and Information

Illicit Discharge Detection and Elimination

Erosion and sediment control

Pollution Prevention

What are the Rules?

Short version:

Nothing* but rainwater should go down the storm drains.

* With a couple of practical exceptions.

Allowable Discharges

- Lawn watering and irrigation water
- Groundwater, seeps, and clean sump pump discharges
- Natural stream flows and springs
- Potable water (garden hoses, etc)
- Water line flushing
- Fire-fighting water
- Street wash water

Swimming Pools

- Emptying Pools to Storm Drains is OK – as long as water doesn't have any chlorine left in it.
- Can de-chlorinate by letting pool sit for 3-4 days, or by neutralizing with pool chemicals.

Examples of What is Not Allowed

- Motor oil, antifreeze, fuel
- Household hazardous wastes
- Industrial wastes
- Sewage, septic tank waste, grease trap wastes (including improper plumbing connections)
- Garbage or rubbish

Examples of What is Not Allowed

- Soapy waste-water from power-washing, vehicle washing, etc.
- Water from carpet cleaning.
- Ready-mix concrete, mortar, or asphalt.
- Pet wastes (i.e. poop).
- Erosion from construction sites.

Lawn Maintenance

- Fertilizers are the #1 pollutant to our local rivers and streams.
- Excessive fertilizers cause a chain reaction that can lead to fish kills.
- Homeowners and lawn companies should follow package directions, and only apply what is needed.

Lawn Maintenance

- Pesticides can also be a major problem. By definition – they are poisonous.
- Commercial applicators must meet State Standards.
- Yard Wastes (leaves, compost, grass trimmings) may not be put in streams or down drains.
- Natural foliage that falls in streams (without human help) is not considered a pollutant caused by human actions.

How Will it be Enforced?

Enforcement through Education

- Education and Good Will are the #1 Ways we hope to see this enforced
- Through education it is our intent to help citizens and businesses find ways to protect the environment

Enforcement – If Needed

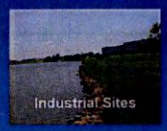
- Notice of Violation (Certified Mail) provides violator with dates to comply.
- Citation is given if violator takes no action
- Minimum fines $300 per offense per day
- Maximum fines in citation phase $1,000 per offense per day
- If necessary, administrative penalties up to $10,000 per day per offense

City's Monitoring Program

- Accept and investigate calls from the public
- Monitoring storm drains, inlets and streams for evidence of spills, dumping, or improper connections
- Drive-around inspections of construction sites for exterior best management practices (BMP's)
- Public education program

City's Monitoring Program

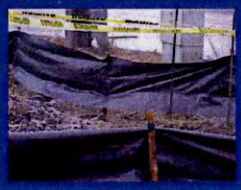
Site inspection activities include:



Best Management Practices (BMP's)

Good

Bad



Best Management Practices (BMP's)

Good

Bad

Best Management Practices (BMP's)

Good

Bad

Best Management Practices (BMP's)

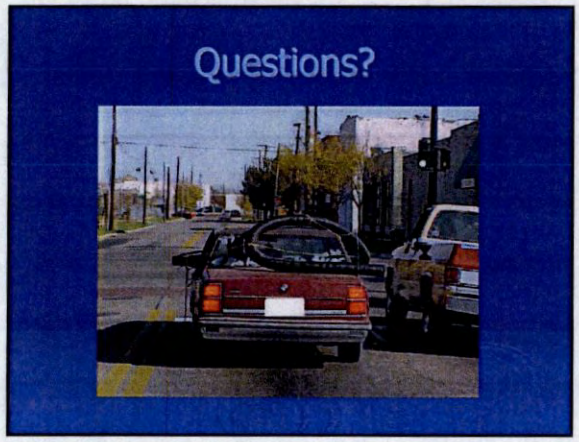
Bad

Bad

Best Management Practices (BMP's)

Was Effective – Needs to be Maintained

Bad


Questions?

APPENDIX D

Performance Measures

Summary of Flood Control, Storm Sewer Inspections, Ditch Cleaning, Street Sweeping And Debris Removal

City of Wichita

2007

CITY OF WICHITA

INTEROFFICE MEMORANDUM

TO: Shawn Maloney, Environmental Remediation Supervisor

FROM: Tony DeCicco, P.E., Maintenance Engineer TD

SUBJECT: 2007 NPDES Year-End Report

DATE: February 15, 2007

The following is a summary of Maintenance Division (Including Storm Water and Flood Control) NPDES activities for 2007. The activities include:

- ✓ Arterial Street Sweeping – 10,115.55 lane miles
- ✓ Central Business District Street Sweeping – 5,585 lane miles
- ✓ K-15 Street Sweeping – 20 lane miles
- ✓ K-42 Street Sweeping – 478 lane miles
- ✓ Kellogg Street Sweeping – 1,787 lane miles
- ✓ Residential Street Sweeping – 7,927.65 lane miles
- ✓ Mechanical Ditch Cleaning – 541, 503.18 feet (102.56 miles) (Location documentation attached)
- ✓ Manual Ditch Cleaning – 1 round completed
- ✓ Storm Sewer Lines Cleaned - 1,305,204.5 lf (247.2 miles)
- ✓ Storm Lines Repaired – 635 lf
- ✓ Arterial Inlet Cleaning – 5,296 lf
- ✓ Hotspot Inlet Cleaning – 47,888 lf
- ✓ Routine Inlet Cleaning – 42,272.6 lf
- ✓ Ditch Mowing – 4,690 acres
- ✓ Noxious Weed Spraying – 1,168.55 acres
- ✓ Floodway Erosion Repair – 53,108 cy
- ✓ Floodway Mowing – 13,070.5 acres
- ✓ Floodway Fence Repaired – 1,785 lf
- ✓ Floodway Fence/Gate Construction – 1,315.5 lf
- ✓ Public Detention Facilities Inspected and mowed – 36 times (6 rounds)
- ✓ Floodway Debris Removal – 7,601 cy
- ✓ Floodway Flap gates Inspected – 1,874
- ✓ Floodway Levee Graded – 49,933 lf

During 2007 the Maintenance Division continued activities in several areas that enhance the quality of storm water runoff.

- Maintenance facilities (CMF, Northeast Substation, and West Substation) have been swept each month in 2007. A scheduled program is followed to make sure equipment is moved out of the way and all areas swept with each round.
- Salt storage facilities inspections at the CMF, West Substation, and Northeast Substation continue to be conducted on a regular basis. (See documentation attached.)

- The application of salt brine as pre-treatment on bridges has been an established practice for snow and ice removal for a several years and its use was expanded in 2007. This brine is applied to reduce the application rates of dry salt and sand. The brine adheres to the surface instead of running off and prevents bonding of ice to the bridge deck. This helps prevent icing of the bridges, and less material is required to treat keep them from becoming hazardous.
- Enclosed salt brine tanks are being used to safely store salt brine. The tanks are placed within secondary containment walls to assure any spillage is contained without negative impact.
- Improved signage and better access to MSDS documents are in place at maintenance facilities.
- Spill detention facilities are now in use at the Central Maintenance Facility, the Water Distribution facility and Brooks Landfill.
- The Maintenance Division has investigated the feasibility of utilizing portable storage units at our facilities to eliminate the need for outdoor storage of materials and supplies. The purchase of these units has been approved by management and is pending.

Storm Water Projects Completed:

- 21st Street - Westlink Ditch Channel Improvements, Spring 2007: Purpose is to improve control erosion and reduce standing water.
- Maple Dunes Channel Improvements, Spring 2007: Purpose is to improve stream bank stabilization.
- Prescott & Rutledge SWS Improvements, Fall 2007: Purpose is to reduce standing water.
- Doonan Truck Facility SWS Improvements, Winter 2007: Purpose is to reduce flooding and standing water.
- Westlink 14th Addition SWS Improvements, Winter 2007: Purpose is to reduce standing water.
- Aberdeen Addition SWS Improvements, Winter 2007: Purpose is to reduce backyard flooding and standing water.
- Vickridge SWS Improvements, Winter 2008: Purpose is to reduce street flooding
- Douglas Street SWS Outfall, Fall 2007: Purpose is to reduce street flooding
- Gypsum Creek Channel Improvements (Pawnee to Woodlawn), Winter 2007: Purpose to reduce flood elevations and improve stream bank stability.
- Gypsum Creek Channel Improvements (West of Hillside), Winter 2007: Purpose to reduce flood elevation and improve stream bank stability.

Pesticide Certification:

Name	Title	Cert. #	Class	Expiration Date
Ken Richey	Gen. Supervisor II	13928	9A	12/31/2010
Eddy Mynatt	Eng. Aide III	15954	9A	12/31/2010
Chad O. Miller	Equip. Operator II	15960	9A	12/31/2010
Stephen E. Smith	Equip. Operator III	16306	9A	12/31/2010

Work Order Summary Report

2007 Ditching

WO #	Status	Status Date	Category	Main Task	Address
2007-00165	Complete	1/8/2007	Storm Water Utility	Ditch Cleaning	6 N LAUREL DR
2007-00170	Complete	1/5/2007	West Substation	Ditch Cleaning	4100 N WEST ST
2007-06160	Complete	6/6/2007	West Substation	Ditch Cleaning	7711 W 29TH ST N
2007-06209	Complete	6/7/2007	West Substation	Ditch Cleaning	6003 W 29TH ST N
2007-06224	Complete	6/8/2007	Storm Water Utility	Ditch Cleaning	2019 W 31ST ST S
2007-06291	Complete	6/8/2007	West Substation	Ditch Cleaning	6000 W 29TH ST N
2007-06596	Complete	6/14/2007	West Substation	Ditch Cleaning	400 N 135TH ST W
2007-07294	Complete	6/29/2007	West Substation	Ditch Cleaning	600 S BYRON AVE
2007-07295	Complete	6/29/2007	Street Maintenance	Ditch Cleaning	230 N BYRON RD
2007-07392	Complete	7/3/2007	West Substation	Ditch Cleaning	800 W 30TH ST N
2007-07545	Complete	7/7/2007	Storm Water Utility	Ditch Cleaning	8200 E GILBERT ST
2007-07725	Complete	7/11/2007	West Substation	Ditch Cleaning	109 E 37TH ST N
2007-07731	Complete	7/11/2007	West Substation	Ditch Cleaning	4400 W ELM ST
2007-08081	Complete	7/19/2007	West Substation	Ditch Cleaning	1400 S TAPESTRY LN
2007-08227	Complete	7/24/2007	West Substation	Ditch Cleaning	100 N ARCADIA ST
2007-08288	WO Cancelled	2/14/2008	Northeast Substation	Ditch Cleaning	
2007-08288	WO Cancelled	2/14/2008	Northeast Substation	Ditch Cleaning	
2007-08351	Complete	7/27/2007	West Substation	Ditch Cleaning	1000 N SHERIDAN AVE
2007-08369	Complete	7/27/2007	West Substation	Ditch Cleaning	6200 W 29TH ST N
2007-08585	Complete	8/2/2007	West Substation	Ditch Cleaning	1000 N SHERIDAN AVE
2007-09154	Complete	8/17/2007	Northeast Substation	Ditch Cleaning	14900 E HARRY ST
2007-09192	Complete	8/20/2007	West Substation	Ditch Cleaning	3534 W PONDEROSA ST
2007-09193	Complete	8/20/2007	West Substation	Ditch Cleaning	3805 N SAINT CLAIR ST
2007-09382	Complete	8/24/2007	West Substation	Ditch Cleaning	3109 W 11TH ST N
2007-09465	Complete	8/27/2007	West Substation	Ditch Cleaning	300 E 35TH ST N
2007-09466	Complete	8/27/2007	West Substation	Ditch Cleaning	6000 N SENECA ST
2007-09815	Complete	9/6/2007	West Substation	Ditch Cleaning	11100 W 13TH ST N
2007-09858	Complete	9/10/2007	West Substation	Ditch Cleaning	900 N HOOVER RD
					1100 N HOOVER RD
					1300 N HOOVER RD
2007-09860	Complete	9/10/2007	West Substation	Ditch Cleaning	4600 N ARKANSAS AVE
					4800 N ARKANSAS AVE
					5100 N ARKANSAS AVE
					5300 N ARKANSAS AVE
2007-09861	Complete	9/10/2007	West Substation	Ditch Cleaning	1000 E 37TH ST N
					800 E 37TH ST N
					600 E 37TH ST N
					400 E 37TH ST N
2007-09934	Complete	9/10/2007	West Substation	Ditch Cleaning	600 N ARKANSAS AVE
					800 N ARKANSAS AVE
					1000 N ARKANSAS AVE
2007-09948	Complete	9/10/2007	West Substation	Ditch Cleaning	5000 N ARMSTRONG AVE
					5200 N ARMSTRONG AVE
2007-09949	Complete	9/10/2007	West Substation	Ditch Cleaning	5300 N ARMSTRONG AVE

					5500 N ARMSTRONG AVE
					5700 N ARMSTRONG AVE
					5900 N ARMSTRONG AVE
					6100 N ARMSTRONG AVE
2007-09951	Complete	9/10/2007	West Substation	Ditch Cleaning	5300 N SENECA ST
					5500 N SENECA ST
					5700 N SENECA ST
					5900 N SENECA ST
					6100 N SENECA ST
2007-09952	Complete	9/10/2007	West Substation	Ditch Cleaning	4200 N SENECA ST
					4400 N SENECA ST
					4600 N SENECA ST
					4800 N SENECA ST
					5000 N SENECA ST
					5200 N SENECA ST
2007-10129	Complete	9/14/2007	West Substation	Ditch Cleaning	300 E 37TH ST N
					500 E 37TH ST N
					700 E 37TH ST N
					900 E 37TH ST N
					1100 E 37TH ST N
					1300 E 37TH ST N
					1500 E 37TH ST N
2007-10132	Complete	9/14/2007	West Substation	Ditch Cleaning	2400 N MCLEAN BLVD
					2600 N MCLEAN BLVD
2007-10135	Complete	9/14/2007	West Substation	Ditch Cleaning	600 N SHERIDAN ST
					700 N SHERIDAN ST
					900 N SHERIDAN ST
					1100 N SHERIDAN ST
					1300 N SHERIDAN ST
2007-10136	Complete	9/14/2007	West Substation	Ditch Cleaning	3000 N MARKET ST
					3200 N MARKET ST
2007-10225	Complete	9/17/2007	West Substation	Ditch Cleaning	1500 S 151ST ST W
					300 S 151ST ST W
2007-10232	Complete	9/18/2007	West Substation	Ditch Cleaning	5300 N LEGION AVE
					5500 N LEGION AVE
					5700 N LEGION AVE
					5900 N LEGION AVE
2007-10233	Complete	9/18/2007	West Substation	Ditch Cleaning	5400 N DELAWARE AVE
					5600 N DELAWARE AVE
2007-10235	Complete	9/18/2007	West Substation	Ditch Cleaning	5400 N CHARLES ST
					5600 N CHARLES ST
2007-10237	Complete	9/18/2007	West Substation	Ditch Cleaning	5400 N SAINT CLAIR ST
					5600 N SAINT CLAIR ST
2007-10239	Complete	9/18/2007	West Substation	Ditch Cleaning	5400 N ATHENIAN ST
					5600 N ATHENIAN ST
2007-10240	Complete	9/18/2007	West Substation	Ditch Cleaning	5400 N SEDGWICK ST
					5600 N SEDGWICK ST
2007-10465	Complete	9/24/2007	West Substation	Ditch Cleaning	300 S MAYBELLE AVE
2007-10482	Complete	9/25/2007	Central Maintenance Facility	Ditch Cleaning	3800 S SABIN AVE
					3900 S SABIN AVE
					3800 S YOUNG AVE
					3900 S YOUNG AVE
					3800 S BAEHR ST

					3900 S BAEHR ST
2007-10483	Complete	9/25/2007	Central Maintenance Facility	Ditch Cleaning	900 W 41ST ST S
					800 W 41ST ST S
					1000 W 41ST ST S
					4200 S HANDLEY ST
					4300 S HANDLEY ST
2007-10579	Complete	9/27/2007	Central Maintenance Facility	Ditch Cleaning	2500 W IRVING ST
2007-10579	Complete	9/27/2007	Central Maintenance Facility	Ditch Cleaning	2500 W IRVING ST
2007-10846	Complete	10/2/2007	West Substation	Ditch Cleaning	300 S WOODCHUCK ST
2007-10889	Complete	10/3/2007	Central Maintenance Facility	Ditch Cleaning	5600 S JONES AVE
					5700 S JONES AVE
					5800 S JONES AVE
					5900 S JONES AVE
2007-11199	Complete	10/10/2007	Storm Water	Ditch Cleaning	1755 S ST CLAIR AVE
2007-11754	Complete	10/22/2007	West Substation	Ditch Cleaning	1000 W 37TH ST N
					1100 W 37TH ST N
					1200 W 37TH ST N
					1300 W 37TH ST N
					1400 W 37TH ST N
					1500 W 37TH ST N
					1600 W 37TH ST N
					1700 W 37TH ST N
					1800 W 37TH ST N
					1900 W 37TH ST N
					2000 W 37TH ST N
					2100 W 37TH ST N
					2200 W 37TH ST N
					2300 W 37TH ST N
2007-11803	Complete	11/7/2007	Central Maintenance Facility	Ditch Cleaning	2200 S MEAD ST
					2000 S MEAD ST
2007-11803	Complete	11/7/2007	Central Maintenance Facility	Ditch Cleaning	2200 S MEAD ST
					2000 S MEAD ST
2007-11803	Complete	11/7/2007	Central Maintenance Facility	Ditch Cleaning	2200 S MEAD ST
					2000 S MEAD ST
2007-11812	Complete	11/16/2007	West Substation	Ditch Cleaning	300 N MAYBELLE PL
					400 N MAYBELLE PL
					500 N MAYBELLE PL
					9100 W BELVIEW AVE
					9200 W BELVIEW AVE
					9300 W BELVIEW AVE
					9400 W BELVIEW AVE
					9500 W BELVIEW AVE
					1000 N FIREFLY ST
					1100 N FIREFLY ST
					1300 N FIREFLY ST
					1100 N AZURE ST
					1200 N AZURE ST
					1300 N AZURE ST
					500 N WHEATLAND PL
					600 N WHEATLAND PL
					500 N WHEATLAND AVE
2007-11875	Complete	10/24/2007	West Substation	Ditch Cleaning	5400 N ST CLAIR AVE
					5500 N ST CLAIR AVE

					5600 N ST CLAIR AVE
					5700 N ST CLAIR AVE
					5400 N LEGION AVE
					5500 N LEGION AVE
					5600 N LEGION AVE
					5700 N LEGION AVE
					5900 N LEGION AVE
					6000 N LEGION AVE
					5400 N SEDGWICK AVE
					5500 N SEDGWICK AVE
					5600 N SEDGWICK AVE
					5700 N SEDGWICK AVE
					2900 N MARKET ST
					3000 N MARKET ST
					3100 N MARKET ST
					3200 N MARKET ST
					3300 N MARKET ST
					1000 N HOOVER ST
					1100 N HOOVER ST
					1200 N HOOVER ST
2007-11908	Complete	1/15/2008	Central Maintenance Facility	Ditch Cleaning	2200 S MEAD ST
					2000 S MEAD ST
					4400 W WASHINGTON ST
					4600 S WASHINGTON ST
2007-11908	Complete	1/15/2008	Central Maintenance Facility	Ditch Cleaning	2200 S MEAD ST
					2000 S MEAD ST
					4400 W WASHINGTON ST
					4600 S WASHINGTON ST
2007-11908	Complete	1/15/2008	Central Maintenance Facility	Ditch Cleaning	2200 S MEAD ST
					2000 S MEAD ST
					4400 W WASHINGTON ST
					4600 S WASHINGTON ST
2007-11908	Complete	1/15/2008	Central Maintenance Facility	Ditch Cleaning	2200 S MEAD ST
					2000 S MEAD ST
					4400 W WASHINGTON ST
					4600 S WASHINGTON ST
2007-12012	Complete	11/1/2007	Central Maintenance Facility	Ditch Cleaning	1000 S TYLER RD
					1200 S TYLER RD
					1400 S TYLER RD
					1600 S TYLER RD
					1800 S TYLER RD
					2000 S TYLER RD
					2200 S TYLER RD
					2400 S TYLER RD
					2600 S TYLER RD
					2800 S TYLER RD
					3000 S TYLER RD
					3200 S TYLER RD
					3400 S TYLER RD
					3600 S TYLER RD
					3800 S TYLER RD
2007-12012	Complete	11/1/2007	Central Maintenance Facility	Ditch Cleaning	1000 S TYLER RD
					1200 S TYLER RD

					1400 S TYLER RD
					1600 S TYLER RD
					1800 S TYLER RD
					2000 S TYLER RD
					2200 S TYLER RD
					2400 S TYLER RD
					2600 S TYLER RD
					2800 S TYLER RD
					3000 S TYLER RD
					3200 S TYLER RD
					3400 S TYLER RD
					3600 S TYLER RD
					3800 S TYLER RD
2007-12037	Complete	10/30/2007	Northeast Substation	Ditch Cleaning	9500 E 42ND ST N
					4300 N LINDEN ST
					4300 N CYPRESS ST
					11500 E LEWIS ST
2007-12072	Complete	10/31/2007	West Substation	Ditch Cleaning	2000 W 61ST ST N
					2100 W 61ST ST N
					2200 W 61ST ST N
					2300 W 61ST ST N
					2400 W 61ST ST N
					2000 W VENTOSO RD
					2100 W VENTOSO RD
					2200 W VENTOSO RD
					2300 W VENTOSO RD
					2400 W VENTOSO RD
					2200 W RIO VISTA ST
					2300 W RIO VISTA ST
					2400 W RIO VISTA ST
					2000 W BELLA ST
					2100 W BELLA ST
					2200 W BELLA ST
					1000 W 40TH ST N
					1100 W 40TH ST N
					1200 W 40TH ST N
					1300 W 40TH ST N
					1400 W 40TH ST N
					1500 W 40TH ST N
2007-12081	Complete	11/2/2007	Central Maintenance Facility	Ditch Cleaning	3700 S NORMAN ST
					8700 W HARRY ST
					3900 S NORMAN ST
					8900 W HARRY ST
2007-12081	Complete	11/2/2007	Central Maintenance Facility	Ditch Cleaning	3700 S NORMAN ST
					8700 W HARRY ST
					3900 S NORMAN ST
					8900 W HARRY ST
2007-12105	Complete	11/1/2007	Northeast Substation	Ditch Cleaning	11200 E DOUGLAS AVE
					100 N JACKSON HEIGHTS ST
					100 N ZELTA ST
					200 N ZELTA ST
2007-12123	Complete	11/1/2007	West Substation	Ditch Cleaning	2200 N MCLEAN BLVD
					2300 N MCLEAN BLVD

					2400 N MCLEAN BLVD 2500 N MCLEAN BLVD 3400 N MERIDIAN AVE 3600 N MERIDIAN AVE 3700 N MERIDIAN AVE 3000 N MERIDIAN AVE 3100 N MERIDIAN AVE 3100 N MCLEAN BLVD 3200 N MCLEAN BLVD 6500 N RICO RD 6600 N RICO RD 6700 N RICO RD
2007-12124	Complete	11/15/2007	West Substation	Ditch Cleaning	6900 W MARIPOSA LN 800 S SIERRA DR 1100 N FIREFLY ST 1200 N FIREFLY ST 1100 N AZURE ST 1200 N AZURE ST 300 S MAYBELLE AVE 400 W MAY ST 500 W MAY ST 9100 W BELVIEW AVE 9200 W BELVIEW AVE 9300 W BELVIEW AVE 9400 W BELVIEW AVE 9500 W BELVIEW AVE
2007-12124	Complete	11/15/2007	West Substation	Ditch Cleaning	6900 W MARIPOSA LN 800 S SIERRA DR 1100 N FIREFLY ST 1200 N FIREFLY ST 1100 N AZURE ST 1200 N AZURE ST 300 S MAYBELLE AVE 400 W MAY ST 500 W MAY ST 9100 W BELVIEW AVE 9200 W BELVIEW AVE 9300 W BELVIEW AVE 9400 W BELVIEW AVE 9500 W BELVIEW AVE
2007-12124	Complete	11/15/2007	West Substation	Ditch Cleaning	6900 W MARIPOSA LN 800 S SIERRA DR 1100 N FIREFLY ST 1200 N FIREFLY ST 1100 N AZURE ST 1200 N AZURE ST 300 S MAYBELLE AVE 400 W MAY ST 500 W MAY ST 9100 W BELVIEW AVE 9200 W BELVIEW AVE 9300 W BELVIEW AVE 9400 W BELVIEW AVE

2007-12124	Complete	11/15/2007	West Substation	Ditch Cleaning	9500 W BELVIEW AVE 6900 W MARIPOSA LN 800 S SIERRA DR 1100 N FIREFLY ST 1200 N FIREFLY ST 1100 N AZURE ST 1200 N AZURE ST 300 S MAYBELLE AVE 400 W MAY ST 500 W MAY ST 9100 W BELVIEW AVE 9200 W BELVIEW AVE 9300 W BELVIEW AVE 9400 W BELVIEW AVE 9500 W BELVIEW AVE
2007-12124	Complete	11/15/2007	West Substation	Ditch Cleaning	6900 W MARIPOSA LN 800 S SIERRA DR 1100 N FIREFLY ST 1200 N FIREFLY ST 1100 N AZURE ST 1200 N AZURE ST 300 S MAYBELLE AVE 400 W MAY ST 500 W MAY ST 9100 W BELVIEW AVE 9200 W BELVIEW AVE 9300 W BELVIEW AVE 9400 W BELVIEW AVE 9500 W BELVIEW AVE
2007-12141	Complete	11/1/2007	Northeast Substation	Ditch Cleaning	11400 E CHAMBERLIN ST 100 N GARNETT ST 300 N ELLSON ST 400 N ELLSON ST 100 N BERNICE ST
2007-12157	Complete	11/2/2007	West Substation	Ditch Cleaning	12500 W 13TH CT N 12600 W 13TH CT N 12700 W 13TH CT N 12800 W 13TH CT N 12900 W 13TH CT N 13000 W 13TH CT N 13100 W 13TH CT N 13200 W 13TH CT N 13300 W 13TH CT N 13400 W 13TH CT N 13500 W 13TH CT N 300 S WOODCHUCK LN 400 S WOODCHUCK LN 500 S WOODCHUCK LN 600 S WOODCHUCK LN 4600 W MURDOCK ST 4700 W MURDOCK ST 4800 W MURDOCK ST 4900 W MURDOCK ST

2007-12158	Complete	11/26/2007	Street Segments	Ditch Cleaning	3900 S GREENWOOD AVE
					1000 E 44TH ST S
					1200 E 44TH ST S
					1300 E 44TH ST S
					1000 E 45TH ST S
					1100 E 45TH ST S
					1200 E 45TH ST S
					1300 E 45TH ST S
					1000 E 46TH ST S
					1100 E 46TH ST S
					1200 E 46TH ST S
					1300 E 46TH ST S
					1400 E 46TH ST S
					1500 E 46TH ST S
					1600 E 46TH ST S
					4700 S ELLIS ST
					4600 S ELLIS ST
					4700 S IDA AVE
					4600 S IDA AVE
					4500 S IDA AVE
					4400 S IDA AVE
					4700 S LAURA AVE
					4600 S LAURA AVE
					4500 S LAURA AVE
					4700 S LULU AVE
					4600 S LULU AVE
					4700 S PATTIE AVE
					4600 S PATTIE AVE
					4500 S PATTIE AVE
					4700 S VICTORIA AVE
					4600 S VICTORIA AVE
					800 E 43RD ST S
					1000 E 43RD ST S
					1200 E 43RD ST S
					1400 E 43RD ST S
					1600 E 43RD ST S
					900 E 43RD ST S
					1100 E 43RD ST S
					1300 E 43RD ST S
					1500 E 43RD ST S
					1500 E ALTA AVE
					1600 E ALTA AVE
2007-12186	Complete	11/2/2007	Northeast Substation	Ditch Cleaning	300 S TRIG ST
					11500 E GILBERT ST
2007-12257	Complete	11/26/2007	Street Segments	Ditch Cleaning	6900 S MINNESOTA AVE
					1800 E 68TH ST S
					1900 E 68TH ST S
					3400 E 71ST ST S
					7100 S RUTAN ST
					7000 S RUTAN ST
					6900 S RUTAN ST
					6800 S RUTAN ST
					7200 S HILLSIDE AVE

					7300 S HILLSIDE AVE
					7200 S CHAUTAUQUA ST
					7000 S CIDER ST
					6900 S CIDER ST
					7100 S HILLSIDE AVE
					7100 S CHAUTAUQUA ST
2007-12268	Complete	11/5/2007	Northeast Substation	Ditch Cleaning	12400 E OSIE ST
					11200 E HARRY ST
					900 S DOWELL ST
2007-12267	Complete	11/5/2007	Central Maintenance Facility	Ditch Cleaning	2900 S HOOVER ST
					3100 S HOOVER ST
					3300 S HOOVER ST
					3400 S HOOVER ST
					3600 S HOOVER ST
					3800 S HOOVER ST
2007-12318	Complete	11/6/2007	Northeast Substation	Ditch Cleaning	900 S BEDFORD CT
					1060 S BEDFORD CT
2007-12333	Complete	11/7/2007	Central Maintenance Facility	Ditch Cleaning	1200 S HOOVER ST
					1400 S HOOVER ST
					1600 S HOOVER ST
2007-12356	Complete	11/8/2007	Central Maintenance Facility	Ditch Cleaning	1700 S HOOVER ST
					1900 S HOOVER ST
					2100 S HOOVER ST
					2300 S HOOVER ST
					2300 S HOOVER ST
					2500 S HOOVER ST
					2700 S HOOVER ST
2007-12360	Complete	11/26/2007	Central Maintenance Facility	Ditch Cleaning	70 S VOLUTSIA ST
					24 E WINESAP ST
					25 E WINESAP ST
					25 E WINESAP ST
					23 E FAGER ST
					18 E 60TH ST S
2007-12379	Complete	11/8/2007	Northeast Substation	Ditch Cleaning	11400 E WILSHIRE TER
					11900 E WILSHIRE TER
					400 N LINDEN ST
					1000 N LINDEN ST
					300 E CARDINAL CT
2007-12402	Complete	11/8/2007	Central Maintenance Facility	Ditch Cleaning	1000 S EDWARDS AVE
					1200 S EDWARDS AVE
					1400 S EDWARDS AVE
					1600 S EDWARDS AVE
					1800 S EDWARDS AVE
					2000 S EDWARDS AVE
					2200 S EDWARDS AVE
2007-12405	Complete	11/26/2007	Central Maintenance Facility	Ditch Cleaning	61 S LULU ST
					61 S LAURA ST
					1800 E 61ST ST S
					59 S GREENWOOD AVE
2007-12450	Complete	1/15/2008	Central Maintenance Facility	Ditch Cleaning	1800 S KANSAS CT
					61 S MIDLAND AVE
					5700 S WASHINGTON AVE
					1800 E 58TH ST S

2007-12527	Complete	11/14/2007	Stream Maintenance	Ditch Cleaning	317 W 43RD ST N
2007-12783	Complete	11/21/2007	Northeast Substa	Ditch Cleaning	1400 N HOMESTEAD ST
2007-12865	Complete	11/26/2007	Northeast Substa	Ditch Cleaning	1400 N HOMESTEAD ST
2007-12913	Complete	11/27/2007	Northeast Substation	Ditch Cleaning	1500 N 127TH ST E
2007-12984	Complete	11/28/2007	Northeast Substation	Ditch Cleaning	1500 N 127TH ST E
2007-13038	Complete	11/29/2007	Northeast Substation	Ditch Cleaning	1300 N 127TH ST E
2007-00255	Complete	1/8/2007	West Substation	Ditch Cleaning	4100 N WEST ST
2007-00333	Complete	1/9/2007	West Substation	Ditch Cleaning	4401 N WEST ST
2007-00381	Complete	1/10/2007	West Substation	Ditch Cleaning	4401 N WEST ST
2007-01911	Complete	2/23/2007	Storm Water Utility	Ditch Cleaning	2400 S MERIDIAN AVE
					3000 S MERIDIAN AVE
					3100 S MERIDIAN AVE
2007-02379	Complete	3/5/2007	West Substation	Ditch Cleaning	5000 W 8TH ST N
2007-02380	Complete	3/28/2007	West Substation	Ditch Cleaning	3500 E ELM ST
2007-02381	Complete	3/5/2007	West Substation	Ditch Cleaning	4900 W MURDOCK ST
2007-02382	Complete	3/5/2007	West Substation	Ditch Cleaning	4600 W MURDOCK ST
2007-02915	Complete	3/26/2007	Central Maintenance Facility	Culvert Installation	1500 W MERTON AVE
2007-03026	Complete	4/2/2007	Central Maintenance Facility	Ditch Cleaning	7100 W 35TH ST S
2007-03049	Complete	3/22/2007	West Substation	Ditch Cleaning	5400 W MURDOCK AVE
2007-03346	Complete	3/28/2007	West Substation	Culvert Installation	2400 W 37TH ST N
2007-03819	Complete	4/23/2007	Central Maintenance Facility	Ditch Cleaning	512 W CLARK ST
2007-04611	Complete	4/20/2007	West Substation	Ditch Cleaning	1336 S SEVILLE AVE
2007-04974	Complete	4/30/2007	West Substation	Ditch Cleaning	955 N MOSLEY AVE
2007-04978	Complete	4/30/2007	Northeast Substation	Ditch Cleaning	15906 E WOODCREEK ST
2007-05019	Complete	5/1/2007	West Substation	Ditch Cleaning	900 N HOOVER AVE
2007-05020	Complete	5/1/2007	West Substation	Ditch Cleaning	3023 N SCHNITZLER AVE
2007-05061	Complete	5/2/2007	Northeast Substation	Ditch Cleaning	3800 N HILLSIDE AVE
2007-05061	Complete	5/2/2007	Northeast Substation	Ditch Cleaning	3800 N HILLSIDE AVE
2007-05061	Complete	5/2/2007	Northeast Substation	Ditch Cleaning	3800 N HILLSIDE AVE
2007-05101	Complete	5/2/2007	West Substation	Ditch Cleaning	6157 N SULLIVAN AVE
2007-05102	Complete	5/2/2007	West Substation	Ditch Cleaning	2235 W 37TH ST N
2007-05314	Complete	5/8/2007	West Substation	Ditch Cleaning	5530 N ATHENIAN ST

Request List Report

2/14/2008
8:30 AM

Storm & Flood Requests for Service 2007

Request # / Created	Category / Problem	Address / Cross Street	Status
Comments for Work Order			
2007-00005	Storm Water Utility	400 E CENTRAL AVE	Completed
1/3/2007	Storm Drain Maintenance/Repair/Clea		
CB cover is tipped in and concrete is broken or pushed down on the NWC of Central and Emporia. Called 603.			
2007-00015	Storm Water Utility	6 N LAUREL DR	WO Completed
1/3/2007	Culvert Cleaning/Maintenance		
Drainage ditch parallel to street that drains into drainage easement (north side of his property) is not draining. Culvert clogged? Spoke with Alan Johnson and they will check it out.			
2007-00024	Stream Maintenance	4500 E 24TH ST N	Completed
1/4/2007	Illegal Dumping	N PERSHING AVE	
Someone is dumping fireplace ashes in the easement of the creek, wants them cleaned up			
2007-00031	Storm Water Utility	1100 N JACKSON ST	Completed
1/4/2007	Storm Drain Maintenance/Repair/Clea		
CB at the intersection of 11th Street North and Jackson is clogged preventing water from main break to flow into it. Called 603 & 605.			
2007-00039	Stream Maintenance	3614 E ELMWOOD DR	Completed
1/5/2007	Ditch Cleaning/Maintenance		
Caller states that many trees are being cut down along the creek near his property. Caller states that he was never notified of any work to be done in this area.			
2007-00053	Storm Water Utility	6000 W MURDOCK AVE	WO Completed
1/5/2007	Culvert Cleaning/Maintenance		
Culverts need cleaning at the intersections of Murdock/Arapaho/Boyd. Called 603.			
2007-00063	Stream Maintenance	2400 W 34TH ST S	Completed
1/8/2007	Illegal Dumping		
Debris dumped in drainageway			
2007-00104	Storm Water Utility	1701 S IDA AVE	WO Completed
1/11/2007	Storm Drain Maintenance/Repair/Clea		
Storm drain lid off, called 603			
2007-00150	Stream Maintenance	4526 S GOLD ST	WO Cancelled
1/12/2007	Trash / Debris Obstruction		
Trash, couch, TV, deer leg, etc dumped on the dedicated drainage easement behind her residence.			
2007-00223	Storm Water Utility	1221 E MURDOCK AVE	WO Completed
1/19/2007	Man Hole / Lid Maintenance/Repair		
Storm drain has settled causing it to be rough, like a pothole.			
2007-00238	Storm Water Utility	2600 E CLOVER LN	WO Completed
1/22/2007	Storm Drain Maintenance/Repair/Clea	S CHEYENNE BLVD	
Storm drain clogged			
2007-00249	Storm Water Utility	3960 N SWEET BAY CT	WO Completed
1/23/2007	Yard Drainage		
This property backs up to a golf course. Low spot appears to be collecting everyone elses's water. Golf Course is willing to help, but owner needs suggestions.			
2007-00281	Storm Water Utility	1800 W 30TH ST S	WO Completed
1/25/2007	Storm Drain Maintenance/Repair/Clea		
SWD's at 30th St South and Glenn are plugged up. Called 602.			
2007-00285	Storm Water Utility	1900 E MARION RD	WO Completed
1/25/2007	Storm Drain Maintenance/Repair/Clea		
Check Storm Drains to see if clogged. Via E-Mail from Doug.			
2007-00286	Storm Water Utility	5800 E BELLAIRE ST	Completed
1/25/2007	Storm Drain Maintenance/Repair/Clea		
Check Storm Drains to see if clogged. Via E-Mail from Doug.			
2007-00289	Storm Water Utility	3100 E 17TH ST N	WO Completed
1/25/2007	Storm Drain Maintenance/Repair/Clea		

Request List Report

Storm & Flood Requests for Service 2007

2/14/2008
8:30 AM

Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
SWD at the intersection of 17th St N and Hillside appears to be clogged as water is standing deep at the drain. Called 603.			
2007-00336 1/26/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	3500 E SUNNYBROOK ST	WO Completed
SWD at Sunnybrook and Clifton appears to be clogged. Via E-Mail from Doug A.			
2007-00376 1/30/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	5700 E MT VERNON RD	WO Completed
Thinks that the storm drain is plugged - actually not sure if there is a storm drain, just knows that the water is not draining off her street.			
2007-00428 2/2/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	2400 E ENGLISH ST	WO Completed
SWD's at the intersection of Poplar and English are clogged. Called 603 @ 2:04 p.m.			
2007-00460 2/6/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1300 W CALVERT ST	Completed
Storm Drain lid is broken on the SEC of Calvert Elizabeth. Called 602 @ 12:48 p.m. on 2/06/07.			
2007-00471 2/7/2007	Storm Water Utility Man Hole / Lid Maintenance/Repair	300 E ENGLISH ST	WO Completed
Storm water inlet cover has been knocked off on the southwest corner of Topeka & English. Called 606 at 12:10 p.m.			
2007-00476 2/7/2007	Storm Water Utility Street Drainage	2700 N IVA AVE	WO Completed
Water from the street and homes on the west side of Iva will raise over the curb during a heavy rain. Is there a solution?			
2007-00483 2/7/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea		WO Completed
The pipe in the park is clogged and water is pooling over the inlets and the manhole.			
2007-00602 2/15/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	4300 W 9TH ST N	Completed
Storm drain plugged at 9th & Dougherty, north side of the street.			
2007-00603 2/15/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	4600 W 9TH ST N	WO Completed
Storm drain plugged on 9th & Anna by Bryant School. On the north side of the street.			
2007-00615 2/16/2007	Storm Water Utility Line Cleaning Maintenance	4600 E 9TH ST N	WO Completed
Water repair crew hit clay SWD pipe on the south side of 9th Street North between Dellrose and Oliver. Called Terry Kelley @ 11:10 a.m.			
2007-00686 2/21/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1300 W 2ND ST N	WO Completed
SWD lid is in the street. Called 602 @ 10:29 a.m.			
2007-00709 2/22/2007	Storm Water Utility Man Hole / Lid Maintenance/Repair	3244 E COUNTRY CLUB PL	WO Completed
Storm drain lid is not setting right, it is very loose. Called to 603 at 8:19 a.m. on 2/22/07.			
2007-00741 2/22/2007	Stream Maintenance Trash / Debris Obstruction	800 N BATTIN AVE	WO Completed
Dedicated Drainage Easement on the west side of the 800 block of North Battin is full of trash. Called 916 @ 10:09 a.m.			
2007-00780 2/23/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	7700 E ORME ST	Completed
On the NEC of Armour and Orme the corners of a flume are bent up severely. Called 603 @ 1:55 p.m.			
2007-00815 2/26/2007	Storm Water Utility Man Hole / Lid Maintenance/Repair	1000 E OSIE ST	WO Completed
Storm Drain cover is off on the SWC of Ida & Osie. Called 603 at 2:42 p.m.			
2007-00848 2/27/2007	Storm Water Utility Yard Drainage	1821 N KEVIN ST	Completed
Neighbors have filled in backyards over the years and now water stands in his backyard.			

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Request # / Date	Category / Problem	Address / Cross Street	Status
2007-00849 / 2/27/2007	Storm Water Utility / Street Drainage	507 N BROOKFIELD RD	Completed
Water standing in drive approach			
2007-00865 / 2/27/2007	Storm Water Utility / Street Drainage	1801 N HEISERMAN AVE	WO Completed
This street fills with water during heavy rainfall. Can we clean and televise to verify condition of the existing system?			
2007-00877 / 2/27/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1900 N HYDRAULIC AVE	Completed
All SWD's in the intersection of 19th St North and Hydraulic are clogged with debris. Called 603 @ 3:18 p.m.			
2007-00894 / 2/28/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1370 S BLUFFVIEW DR	WO Completed
SWD in front of 1370 S Bluffview Dr has been blocked off. Called 603 @ 1:14 p.m.			
2007-00927 / 3/1/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1900 N VOLUTSIA AVE	WO Completed
SWD's on the NEC of 19th St North and Volutsia are clogged. Called 603 @ 2:30 p.m.			
2007-00937 / 3/2/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2200 E KINKAID AVE	WO Completed
SWD lid partially off and into the street on the SEC of Kinkaid and Topeka. Called 603 @ 12:56 p.m.			
2007-00942 / 3/2/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	100 N JOANN AVE	WO Completed
The SWD on the WS of Joann between Douglas and 1st St North is clogged. Called 602 @ 1:11 p.m.			
2007-00951 / 2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2000 W WALKER ST 114	WO Completed
Storm drain needs to be cleaned before it rains.			
2007-00959 / 3/5/2007	Storm Water Utility / Trash / Debris Obstruction	1000 W 35TH ST S	Completed
Area needs to be cleaned up. This is City property.			
2007-00972 / 3/6/2007	Stream Maintenance / Vegatation	5539 E KINKAID ST	Completed
Please spray poison ivy on the creeks west bank that leads up to his residence.			
2007-00973 / 3/6/2007	Stream Maintenance / Trash / Debris Obstruction	2150 S WALLACE DR	Completed
There is a mattress dumped on the creek bank west of 2150 S Wallace Drive.			
2007-01002 / 3/8/2007	Storm Water Utility / Man Hole / Lid Maintenance/Repair	3700 E SENNETT ST	WO Completed
Catch basin lid is flipped over at Wilma & Sennett.			
2007-01016 / 3/9/2007	Storm Water / Storm Drain Maintenance/Repair/Clea	511 S WOODCHUCK ST	WO Completed
Basement drain is backing up. She was advised that she should call when this happened so Storm Water could check storm drain.			
2007-01037 / 3/12/2007	Storm Water Utility / Man Hole / Lid Maintenance/Repair	2200 E LINCOLN ST	WO Completed
Storm Sewer lid is angled at Lincoln & Pinecrest. Call came in on 3/9/07. Called to A. Johnson on 3/12/07.			
2007-01089 / 3/15/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	7500 W 29TH ST N / N TEE TIME ST	WO Completed
Parr Electric has hit a line. Believes it is a storm drain.			
2007-01107 / 3/2007	Flood Control / Tree / Brush Obstruction	3257 N HOOD CT	WO Completed
A beaver chewed down a tree which is now partially in the Little Arkansas River behind 3257 N Hood Ct on the east bank. Spoke with Ken Richey @ 8:00 a.m. on 3/16/07.			

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Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
2007-01121 3/16/2007 SWD lid on 13th Street North and west of Santa Fe is turned over and off drain. Called 603 @ 1:09 p.m.	Storm Water Utility Man Hole / Lid Maintenance/Repair	600 E SANTA FE ST	Completed
2007-01124 3/15/2007 There is a build-up of material between the outfall pad and Gyp Creek that needs to be cleaned out. Via e-mail from Doug Arvidson on 3/15/07 @ 3:44 p.m.	Stream Maintenance Tree / Brush Obstruction	7000 E HARRY ST	Completed
2007-01128 3/15/2007 Gates and fences are down at W 53rd St North and the Big Ark River. Via e-mail from Doug Arvidson on 3/15/07 @ 3:45 p.m.	Flood Control Gate Repair/Maintenance	4400 W 53RD ST N	WO Completed
2007-01129 3/16/2007 Fence has been torn down and trash dumped in there. Via e-mail from Doug A. at 2:36 p.m.	Flood Control Fence Repair	9402 N WEST ST	Completed
2007-01147 3/20/2007 Drain is clogged at Maple & Howe. Called Joe Chaffin at 8:02 a.m.	Storm Water Storm Drain Maintenance/Repair/Clea	6700 W MAPLE ST	WO Completed
2007-01149 3/20/2007 E/W culvert needs cleaned. Called Joe Chaffin at 8:44 a.m.	Storm Water Storm Drain Maintenance/Repair/Clea	9200 W DOUGLAS ST	WO Completed
2007-01154 3/20/2007 Crews were digging beside and behind her house. Rain is backing up toward her house. Called 602.	Storm Water Storm Drain Maintenance/Repair/Clea	1903 W 35TH ST S	WO Completed
2007-01155 3/20/2007 Andy with Redi Rooter called to report that the storm drain is plugged on the south side of the street. Called 602 at 10:19 a.m.	Storm Water Storm Drain Maintenance/Repair/Clea	4225 W BOUNOUS ST	WO Completed
2007-01159 3/20/2007 Water building up at the dead-end of 41st St North (307 W 41st St N). Clean ditch and culverts. Called 602 @ 1:22 p.m.	Storm Water Utility Culvert Cleaning/Maintenance	307 W 41ST ST N	WO Completed
2007-01162 3/20/2007 Storm drain clogged	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1104 N PEARCE AVE	WO Completed
2007-01175 3/21/2007 SWD at 3913 E Willow St is clogged up. Called 603 @ 1:41 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	3913 E WILLOW ST	WO Completed
2007-01177 3/21/2007 Par Electric Company hit SD line and cracked it. Called 603 @ 1:19 p.m.	Storm Water Utility Line Cleaning Maintenance	2900 N TEE TIME ST	WO Completed
2007-01192 3/22/2007 The storm drain in the backyard of 305 W Hazel is 2 foot deep and has no lid. Called 603 @ 8:34 a.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	305 W HAZEL ST	WO Completed
2007-01194 3/22/2007 There are huge tire ruts on the dike at 53rd St North. THIS WORK WAS COVERED UNDER WORK ORDER # 2007-08542 WHILE WE WERE REGRADING THE LEVEE TOPS. THIS WORK HAS BEEN COMPLETED ON AUGUST 8, 2007	Flood Control Property Damage	3900 W 53RD ST N	Completed
2007-01214 3/23/2007 Storm drain clogged	Storm Water Line Cleaning Maintenance	1853 S ELLIS ST	WO Completed
2007-01224 3/22/2007 SWC of I-235 and Zoo Blvd has a large amount of trash around a catch basin. Recreived from Doug A. via e-mail on 3/22/07.	Storm Water Utility Trash / Debris Obstruction	4800 W ZOO BLVD	Completed

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Storm & Flood Requests for Service 2007

Request # / Date	Category / Problem	Address / Cross Street	Status
Comments for Work Order			
2007-01226	Storm Water Utility	2500 N MCLEAN BLVD	WO Completed
3/23/2007	Storm Drain Maintenance/Repair/Clea		
SWD at Cardianl and McLean is clogged. Called 603 @ 12:10 p.m.			
2007-01233	Storm Water Utility	2861 N HALSTEAD ST	WO Completed
3/23/2007	Culvert Cleaning/Maintenance		
Culvert plugged at the NWC of Richmond and Halstead; also the NEC is overgrown with grass, weeds and silt causing it to clogg. Called 603 @ 1:26 p.m.			
2007-01277	Storm Water Utility	701 N SIM PARK DR	On Hold
3/27/2007	Street Drainage		
Street stands in water, officers have to drive on gravel parking area to avoid. Parking lot is in continous need of grading.			
2007-01285	Storm Water Utility	600 E PAWNEE AVE	Completed
3/27/2007	Storm Drain Maintenance/Repair/Clea		
Storm Drain plugged on the NEC of Santa Fe & Pawnee. Called 603 at 12:11 p.m.			
2007-01310	Storm Water Utility	2600 N IVA AVE	WO Completed
3/28/2007	Street Drainage		
The ROW area never drains as it should and stands in water all summer. I let the caller know that we knew about this area and were in the process of trying to find a soluition for the entire neighborhood.			
2007-01321	Storm Water Utility	1100 N VALLEYVIEW ST	WO Completed
3/29/2007	Storm Drain Maintenance/Repair/Clea		
SWD clogged at the SEC of 11th St North and Valleyview. Called 602 @ 10:11 a.m.			
2007-01328	Storm Water Utility	1200 E ZIMMERLY ST	WO Completed
3/29/2007	Culvert Cleaning/Maintenance		
Culvert needs to be cleaned out. Called 603 at 11:42 a.m.			
2007-01329	Storm Water Utility	3900 W KELLOGG DR	WO Completed
3/29/2007	Storm Drain Maintenance/Repair/Clea		
Storm drain plugged at the on-ramp EB to Kellogg at West St. Called Joe at 11:33 a.m.			
2007-01330	Storm Water Utility	240249 S POPLAR ST	WO Completed
3/29/2007	Storm Drain Maintenance/Repair/Clea		
Storm sewer plugged at 249 S. Poplar. Called A. W. Johnson at 11:55 a.m.			
2007-01333	Storm Water Utility	1946 S SPRUCE ST	WO Completed
3/29/2007	Storm Drain Maintenance/Repair/Clea		
SWD in front of 1946 S Spruce is clogged. Called 603 @ 1:04 p.m.			
2007-01336	Storm Water Utility	1320 N WESTLINK AVE	WO Completed
3/29/2007	Storm Drain Maintenance/Repair/Clea		
SWD collapsed in front of 1320 N Westlink Ave. Called 602 @ 2:53 p.m.			
2007-01364	Storm Water Utility	320 N TERRACE DR	WO Completed
4/2/2007	Storm Drain Maintenance/Repair/Clea		
Storm drain in her back yard is backed up. Called 603 on 4/2/07 at 9:00 a.m.			
2007-01404	Storm Water Utility	7903 W BIRDIE LANE CIR	On Hold
4/2/2007	Yard Drainage		
The gentleman is complaining of a drainage problem on "City Property" and runoff from neighbors property. Would like some suggestions or solutions and if the City can help.			
2007-01413	Storm Water Utility	100 E 16TH ST N	Completed
4/3/2007	Man Hole / Lid Maintenance/Repair		
Storm drain has been hit and is torn out. Possibly hit by a car. This call came in at 4:30 p.m. on 4/2/07. Called to 603 on 4/3/07 at 8:51 a.m.			
2007-01418	Storm Water Utility	11330 W CARR CT	Completed
4/3/2007	Yard Drainage		
Water stading in her yard. Says that we have been out before to try to resolve this problem but it is not taken care of. Call her at 992-1563. Attempted to call 603 at 9:49 a.m.			

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Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
2007-01460 4/4/2007 Wants to know why they don't have a storm drain.	Storm Water Utility Street Drainage	2601 S MINNESOTA AVE	Completed
2007-01462 4/4/2007	Storm Water Utility Yard Drainage	8513 E HILDRETH LN	Completed
2007-01462 4/4/2007	Storm Water Utility Yard Drainage	8513 E HILDRETH LN	Completed
2007-01463 4/4/2007 Water not draining out of "commons" area.	Storm Water Utility Yard Drainage	9420 E SKINNER ST	Completed
2007-01470 4/4/2007 There is a 2 to 3 foot deep sink hole next to the SWD at 2104 N Byron Rd on Westlawn St. adjacent to their back yard fence. Called 602 @ 8:54 a.m.	Storm Water Utility Sink Hole	2104 N BYRON RD	WO Completed
2007-01505 4/5/2007 Please check the drainage ditch and the culvert to determine what the problem might be causing her poor drainage. Received via e-mail from Doug A. @ 2:31 p.m.	Storm Water Utility Street Drainage	431 N 135TH ST W	WO Completed
2007-01537 4/9/2007 Water stands on Cornejo property and breeds mosquitoes. Cornejo is willing to dig a swale from their land into a drainage ditch behind Rutan. Question as to who owns and maintains the ditch.	Storm Water Utility Yard Drainage	7011 S LORRAINE ST	Completed
2007-01539 4/9/2007 This is a private HOA Reserve Area. The only work the City did in this area was regrade the drainage channel from the weir to the north line of the RR ROW.	Storm Water Utility Yard Drainage	11330 W CARR CT	Completed
2007-01544 4/10/2007 SWD at Douglas and Woodlawn is clogged. Received via e-mail on 4/09/07.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	100 S WOODLAWN BLVD	Completed
2007-01565 4/10/2007 SWD is 2 foot below the surface in the backyard of 305 W Hazel and needs to be raised 2 foot to match grade of surrounding properties. Received via e-mail from Doug A. on 4/10/07.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	305 W HAZEL ST	Completed
2007-01589 4/11/2007 Sink hole (3 ft X 1-1/2 ft deep) in the NWC of 33rd St South and Sheridan between curb and culvert drain. Called 602 @ 4:01 p.m.	Storm Water Utility Sink Hole	3300 W 33RD ST N	Completed
2007-01601 4/12/2007 Manhole lid is off and the NWC of Arkansas & 21st St. N. Called 602 at 3:32 p.m.	Storm Water Utility Man Hole / Lid Maintenance/Repair	700 W 21ST ST N	WO Completed
2007-01604 4/12/2007 Storm drain needs to be cleaned out - holds water. Called A. Johnson at 4:00 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	200 E 1ST ST	WO Completed
2007-01609 4/13/2007 The SWD at the NWC of Skinner and Ellis is clogged. Called 602 @ 11:03 a.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1800 S ELLIS AVE	WO Completed
2007-01610 4/13/2007 Culvert at the NEC of Mead and Blake is clogged. Called 603 @ 1:00 p.m.	Storm Water Utility Culvert Cleaning/Maintenance	2200 S MEAD AVE	WO Completed

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2007-01612 / 4/13/2007	Storm Water Utility / Street Drainage	900 N HIGH ST	WO Completed

Comments for Work Order

Water is pooling along the WS of High St between 9th and 10th Sts North at Black Elementary School. Can anything be done to help alleviate the problem? Spoke with Alan Johnson and he will refer to Joe Chaffin @ 3:48 p.m.

2007-01625 / 4/16/2007	Central Maintenance Facility / Ditch Cleaning/Maintenance	315 E 48TH ST N	WO Completed

Home owner at 315 W. 48th St. N. put in a culvert - the culvert doesn't handle water flow. Mr McClintock thinks that the homeowner just put the culvert in himself - didn't get approval. Gave to P Pruitt to check out.

2007-01629 / 4/16/2007	Storm Water Utility / Culvert Cleaning/Maintenance	10600 W RINGER ST	WO Completed

Culvert is plugged - needs to be cleaned at Ringer and Lark St.

2007-01642 / 4/17/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2527 S YELLOWSTONE CT	WO Completed

SWD at the end of the cul-de-sac in front of 2527 S Yellowstone Ct is clogged. Called 602 @ 2:06 p.m. on 4/16/07.

2007-01666 / 4/17/2007	Stream Maintenance / Tree / Brush Obstruction	2048 S CAPRI CT	WO Completed

Cherry Creek Drain has trash and trees clogging the drainage. Spoke with 916 @ 9:59 a.m. on 4/17/07. Received 4/16/07.

2007-01677 / 4/18/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	7300 E ELM ST	WO Completed

SWD on Elm St between Tallyrand and Broadmoor is clogged. Called 603 @ 10:35 a.m. Received on 4/17/07.

2007-01679 / 4/18/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2600 S HYDRAULIC AVE	WO Completed

SWD clogged on Rose Marie Ct at Hydraulic. Called 603 @ 11:47 a.m. Received 4/17/07.

2007-01686 / 4/18/2007	Storm Water Utility / Street Drainage	5100 S HYDRAULIC AVE	WO Completed

Check why water is standing in the SB lanes of 5100 S Hydraulic. Received 4/16/07 via e-mail.

2007-01710 / 4/18/2007	Storm Water Utility / Culvert Cleaning/Maintenance	360 S DECKER DR	WO Completed

Please clean culvert out at 360 S Decker Dr. Received via e-mail from Doug A. to Joe C. at 4:23 p.m.

2007-01732 / 4/19/2007	Storm Water Utility / Yard Drainage	1555 N MCLEAN BLVD	Completed

SS work was done a few years ago and now the easement does not drain and water stand in the church parking lot.

2007-01734 / 4/19/2007	Storm Water Utility / Yard Drainage	7503 E LEEWOOD CIR	Completed

Mr. Adams is concerned about a low area in the 29th St ROW that stays wet for a long time after rain events. His sump pump also discharges to the area so there is more water than there normally would be. I told him that he was probably going to have to move his sump pump and that I would look at the area.

2007-01736 / 4/19/2007	Storm Water Utility / Sink Hole	455 S MAPLE LN	Completed

There is a sink hole in the backyard over what appears to be an old brick walled structure.

2007-01744 / 4/20/2007	Storm Water Utility / Erosion	2651 S MINNESOTA AVE	WO Completed

The ground is eroding behind the curb at 2651 S Minnesota. Received via e-mail from Doug A. on 4/19/07 @ 2:36 p.m.

2007-01766 / 4/23/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	5900 E 17TH ST N	WO Completed

Storm drain plugged at 17th & Charlotte NEC. This call came in on 4/20/07. Called A. Johnson at 3:15 p.m. on 4/20/07.

2007-01774 / 4/23/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2253 S CRESTWAY AVE	WO Completed

Underground 2 ft diameter drain, running between 2253 & 2301 S Crestway Ave, opening is crumbling. Called 603 @ 2:57 p.m.

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Request # / Created	Category / Problem	Address / Cross Street	Status
2007-01783 / 4/24/2007	Flood Control / Vegatation	6509 W WARREN CIR	WO Completed

Comments for Work Order: The fence between her house and all the house in Spinnaker Cover has poison oak. Would like to have this sprayed. This call came in on 4/23/07.

2007-01786 / 4/24/2007	Storm Water Utility / Yard Drainage	2022 S WEBB RD 207	Completed

Water is not draining from the common area behind these homes. Is turning black and gooey.

2007-01795 / 4/24/2007	Storm Water Utility / Man Hole / Lid Maintenance/Repair	1331 N SANTA FE ST	WO Completed

Manhole lid missing. Called 603 at 11:30 a.m.

2007-01797 / 4/24/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1357 S PATTIE AVE	WO Completed

Storm drain plugged. Called 603 at 11:30 a.m.

2007-01798 / 4/24/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2019 W 35TH ST S	WO Completed

Storm drain plugged. Called 602 at 11:34 a.m.

2007-01814 / 4/25/2007	Storm Water Utility / Man Hole / Lid Maintenance/Repair	7900 E DOUGLAS AVE	WO Completed

Storm water inlet is warped - needs to be replaced. Called 603 at 9:46 a.m.

2007-01816 / 4/25/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	7900 E DOUGLAS AVE	WO Completed

1st bridge east of Douglas & Rock Rd the drains on the bridge are plugged up with sand and debris. Called 603 at 9:51 a.m.

2007-01842 / 4/26/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1904 S ELLIS AVE	WO Completed

SWD lid is off and laying by the drain on the SEC of Skinner and Ellis. Spoke with Alan J. @ 7:30 a.m.

2007-01869 / 4/30/2007	Storm Water Utility / Yard Drainage	2730 E 13TH ST N	Completed

Water runs down ROW along fence and stands for days, turns green.

2007-01870 / 4/30/2007	Storm Water Utility / Street Drainage	13500 W 21ST ST N	Completed

Ditches look like they should flow through the YMCA property into detention pond. Drainage path appears to be silted in.

2007-01888 / 4/30/2007	Flood Control / Trash / Debris Obstruction	400 W DOUGLAS AVE	WO Completed

Pipe sticking up in the river, south of the Douglas bridge by A. Price Woodard Park. Received via e-mail 4/30/07 @ 1:55 p.m.

2007-01921 / 5/1/2007	Storm Water / Storm Drain Maintenance/Repair/Clea	112 S FOUNTAIN AVE	WO Completed

Storm drain needs cleaned out. Called 603 at 3:30 p.m.

2007-01944 / 5/3/2007	Storm Water Utility / Yard Drainage	2409 W GREENFIELD ST	Completed

Water drains from all his neighbors and ponds in his backyard. He seems to think that a drainage trench was put in everyone's backyard to alleviate this problem. The only thing I saw was a Utility Easement. Can you possibly give him some suggestions as to how he can solve this problem? Please call and meet with him.

2007-01946 / 5/4/2007	Storm Water Utility / Culvert Cleaning/Maintenance	5327 N DELAWARE AVE	WO Completed

This customer is requesting that the culverts near his home need to be cleaned out. The rest of the ditches on this side of the street may need to be cleaned as well.

2007-01973 / 5/4/2007	Storm Water Utility / Erosion	1300 N LAWRENCE LN	WO Completed

Erosion has created a hazardous hole at the back side of a catch basin. See attached email for more details.
Could not reach Alan Johnson....called Joe Chaffin at 2:00 p.m.

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Request # / Created	Category / Problem	Address / Cross Street	Status
2007-01981 / 5/7/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2130 E 21ST ST N	WO Completed
Comments for Work Order: Two SWD's located on Opportunity Drive at the North gate are clogged. Called 603 @ 8:55 a.m.			
2007-01982 / 5/7/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1100 S GEORGE WASHINGTON BLVD	WO Completed
SWD at the street name sign of Madison and GWB is clogged. Called 603 @ 8:55 a.m.			
2007-01986 / 5/7/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1100 E MORRIS ST	WO Completed
SWD at the SWC of Morris and Pattie is clogged due to a water main break. Called 603 @ 12:43 p.m.			
2007-01987 / 5/7/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1505 N FAIRVIEW ST	WO Completed
SWD at the NWC of 14th St North and Fairview is clogged. Spoke with Joe C. @ 12:57 p.m.			
2007-01990 / 5/7/2007	Storm Water Utility / Culvert Cleaning/Maintenance	14300 STAGECOACH ST	WO Completed
Storm drain is clogged and water is continuing to back up. Called to Alan Johnson at 2:00 p.m.			
2007-02000 / 5/7/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1200 N CLEVELAND ST	WO Completed
SWD on the SWC of 11th St North and Cleveland is clogged. Called 603 @ 2:55 p.m.			
2007-02007 / 5/7/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2100 E DOUGLAS AVE	WO Completed
SWD lid is off. Called 603 @ 3:36 p.m.			
2007-02015 / /2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1622 S TODD CIR / S TODD CIR	WO Cancelled
Alan, citizen says water stands in the ditch behind home and ponds in her backyard rather than going to the inlet. Can we check the ditch to see if maintenance is necessary and check the line in her yard to see if it is good shape?			
2007-02032 / 5/9/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	800 N FAULKNER AVE	WO Completed
SWD on the NWC of Murdock and Faulkner is clogged. Received 5/08/07 and called 602 @ 1:31 p.m. on 5/09/07.			
2007-02036 / 5/9/2007	Stream Maintenance / Vegatation	77700 E 13TH ST N	Completed
Area along creek needs to be mowed.			
2007-02037 / 5/9/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	11500 E 21ST ST N	Completed
SWD on WB 21st St North at the K-96 On-Ramp is clogged. Received via e-mail on 5/08/07 and called 603 @ 11:40 a.m.			
2007-02041 / 5/9/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2120 S LINDEN CT	WO Completed
The SWD in front of 2120 S Linden Ct is crumbling apart. Called 603 @ 9:54 a.m.			
2007-02046 / 5/9/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	800 S ST FRANCIS AVE	WO Completed
SWD in front of 800 S St Francis is open approx 1 1/2 ft diameter, is it sinking? Called 603 @ 9:31 a.m.			
2007-02052 / 5/10/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	700 W 11TH ST N	WO Completed
Storm drain plugged up. Called Joe Chaffin at 7:59 a.m. Call came in late 5/9/07			
2007-02059 / 5/10/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	7314 E CEDARIDGE CT	WO Completed
SWD clogged in front of 7314 E Cedaridge Ct. Called 602 @ 10:21 a.m.			
7-02062 / 5/10/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1500 N WESTRIDGE DR	WO Completed
SWD lids flipped over on the NEC of 15th St North and Westridge Dr and also on the SS of 15th St North. Called 602 @ 1:51 p.m. Received 5/09/07			

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Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
2007-02067 5/10/2007 Culverts starting at 1475 N Willow Ln and going south to 13th St North need to be cleaned out. Called 603 @ 10:57 a.m.	Storm Water Utility Culvert Cleaning/Maintenance	1475 N WILLOW LN	Completed
2007-02088 5/11/2007 Inlets are clogged at the intersection of Walnut and Munnell	Storm Water Utility Street Drainage	1001 W MUNNELL AVE	WO Completed
2007-02092 5/11/2007 Cable has been taken down and sign removed. 4-wheelers are driving on the levee.	Storm Water Utility Creek Run	3600 S ST FRANCIS ST	WO Cancelled
2007-02118 5/11/2007 Ditch area needs to be cleaned out. Water flooding into Charron and in front of the church. Called D. Ary **********This area needs to be surveyed and then graded to drain**********	Storm Water Utility Street Drainage	3702 E CHARRON ST	WO Cancelled
2007-02145 5/15/2007 The ditch that runs between 317 W. 43rd St. N. and his neighbors house is not draining. Called P Bradley on 5/15/07 at 7:09 a.m.	Storm Water Utility Yard Drainage	317 E 43RD ST N	Completed
2007-02146 5/15/2007 Big ditch needs mowed. Called 916.	Flood Control Vegatation	1124 W 36TH ST N	WO Completed
2007-02147 5/15/2007 Canal area along Brookside from Douglas to Central. Not being mowed often enough and they need to do a better job. Called 916 on 5/14/07	Stream Maintenance Vegatation	5600 E DOUGLAS AVE	Completed
2007-02171 5/15/2007 High water - wifes car got flooded. Called Unit 4 at 10:10 a.m.	Storm Water Utility Street Drainage	3900 W CENTRAL AVE	Completed
2007-02201 5/17/2007 Claims water is standing in her culvert for the past 7 years and City won't fix it. Received via e-mail on 5/14/07 from Doug A.	Storm Water Utility Culvert Cleaning/Maintenance	733 S LULU AVE	Completed
2007-02217 5/17/2007 Underground 2 ft diameter drain, running between 2253 & 2301 S Crestway Ave, opening is crumbling. Drain entry has now been cleared of vehicles and barricaded. Called 603 @ 11:00 a.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	2253 S CRESTWAY AVE	WO Completed
2007-02218 5/17/2007 Please clean out trees and brush in the area between the drainage pond and Cowskin Creek. Call him and he will show you and allow you access to the area.	Stream Maintenance Tree / Brush Obstruction	10725 W CENTRAL AVE	On Hold
2007-02222 5/17/2007 Please call James and meet/discuss solutions for his backyard drainage problems.	Storm Water Utility Yard Drainage	706 S LINDBERG CIR	Completed
2007-02226 5/17/2007 Storm drains plugged SW & NW corners of t. Paul & Burton. Called 602 at 12:28 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	2800 W BURTON ST	WO Completed
2007-02260 5/21/2007 There supposedly used to be a ditch that ran behind this home and kept water out of the yard. The ditch was filled in when the school was torn down and now water stands in this yard.	Storm Water Utility Yard Drainage	3470 E MUNGER ST	On Hold
2007-02270 5/21/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	2600 W DOUGLAS AVE	WO Completed

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Storm & Flood Requests for Service 2007

Request #	Category	Address	Status
ated	Problem	Cross Street	

omments for Work Order

Water Dept called. They had a water line break at 200-300 Edwards. However, a citizen called in to say that water was backup up out of the storm drain into the intersection at Douglas & Edwards. Called 602 at 2:54 p.m.

2007-02282	Stream Maintenance	100 N BROOKSIDE PKWY	Completed
5/21/2007	Vegatation		

Mr. Scanlon is requesting that we mow the Brookside Drainage easement. Received via e-mail from Doug A. on 5/21/07 @ 2:54 p.m.

2007-02286	Storm Water Utility	800 N MOSLEY AVE	WO Completed
5/22/2007	Storm Drain Maintenance/Repair/Clea		

SWD's clogged on 8th St North at Mosley and Washington. Called 603 @ 7:35 a.m.

2007-02294	Stream Maintenance	1300 N ARMOUR LN	Completed
5/22/2007	Vegatation		

Trash needs to be cleaned up at 13th St North and Armour at Gyp Creek Drain. Also needs to be mowed from 13th St N to 9th St North along Gyp Creek Drain. Called 916 @ 2:10 p.m.

2007-02301	Storm Water Utility	3100 W 2ND ST	WO Completed
5/22/2007	Storm Drain Maintenance/Repair/Clea		

Storm sewer blocked. Called 602 at 1:58 p.m.

2007-02333	Storm Water Utility	600 S LONGFELLOW ST	WO Completed
5/24/2007	Erosion		

Street is washing away from SWD at Orme and Longfellow. Called 603 @ 11:37 a.m.

2007-02340	Flood Control	534 W ALEXANDER DR	Completed
5/24/2007	Tree / Brush Obstruction		

Large limb in flood canal behind 534 W Alexander Dr is hanging over his garage in the backyard. Spoke with Terry K. @ 4:17 p.m.

2007-02359	Stream Maintenance	3409 S MERIDIAN AVE	Completed
9/2007	Vegatation		

ALLER REQUEST THAT THE DRAINAGE IN THE AREA NEEDS MOWING. REFERED TO DAVE ORNELAS FOR INVESTIGATION

2007-02403	Storm Water Utility	1500 S SANTA FE AVE	WO Completed
6/7/2007	Storm Drain Maintenance/Repair/Clea		

The CB lid on the NEC of Harry and Santa Fe is beat up. Called 603 @ 9:53 a.m.

2007-02420	Storm Water Utility	11511 W KENNY ST	WO Completed
6/8/2007	Erosion		

Ground around the SWD in front of 11511 W Kenny St is eroding. Called 602 @ 11:21 a.m.

2007-02432	Storm Water Utility	1104 N PEARCE AVE	WO Completed
6/11/2007	Storm Drain Maintenance/Repair/Clea		

SWD on the NEC of Pearce and 10th St North is clogged. Called 602 @ 11:21 a.m.

2007-02434	Storm Water Utility	941 S ST FRANCIS ST	WO Completed
6/11/2007	Storm Drain Maintenance/Repair/Clea		

SWD on the NWC of Gilbert and St Francis is clogged. Called 603 @ 2:45 p.m.

2007-02440	Storm Water Utility	7206 E HUNTINGTON AVE	Completed
6/12/2007	Yard Drainage		

Crawl space flooded about 8 weeks ago. Have been there 18 to 20 months with no problems. Would like to know the drainage plan for the area.

2007-02441	Storm Water Utility	2422 S LAUREL ST	Completed
6/12/2007	Yard Drainage		

Backyard Drainage Request

2007-02504	Storm Water Utility	4400 E 3RD ST	WO Completed
6/13/2007	Storm Drain Maintenance/Repair/Clea		

Storm drain plugged NWC of Terrace & 3rd. Called 603 at 2:52 p.m. on 6/11/07.

7-02521	Storm Water Utility	10207 E WINDEMERE CT	Completed
6/14/2007	Yard Drainage		

Water stands about 4" around the manhole in the back yards. Neighbor is gone until next week and wants to be there when we visit. Between 11 and 12 is the best time to have everyone present.

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Storm & Flood Requests for Service 2007

Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
2007-02524 6/14/2007 SWD on the NEC of 2nd St North and Fern is clogged. Received on 6/13/07 and called 602 @ 4:16 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	200 N FERN AVE	WO Completed
2007-02525 6/14/2007 Two SWD lids are overturned at 1st St North and Elizabeth. Received 6/13/07 and called 602 @ 4:16 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	100 N ELIZABETH ST	WO Completed
2007-02531 6/14/2007 CALLER SAYS NEIGHBORS REQUEST BETTER TRIMMING ALONG CURBS AND AROUND TREES ALONG DRAINAGE.	Stream Maintenance Vegatation	900 N WESTLINK AVE	Completed
2007-02532 6/14/2007 RESPONSIBLITY FOR MOWING AREA AROUND BUILDINGS?	Stream Maintenance Vegatation	3310 N GOVERNEOUR CIR	Completed
2007-02534 6/14/2007 SWD at Pershing and Boston Dr is clogged. Received 5/29/07 and called 602 @ 1:11 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	4600 E BOSTON DR	Completed
2007-02551 6/15/2007 SWD on the NWC of Lewis and Pattie is clogged. Called 603 @ 2:19 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	400 S PATTIE AVE	Completed
2007-02555 6/15/2007 22 inch MH lid at 13th St North and Main is bent and broken. Received 5/30/07 and called 602 @ 9:48 a.m.	Storm Water Utility Man Hole / Lid Maintenance/Repair	1300 N MAIN ST	Completed
2007-02557 6/15/2007 Ground eroded back of the SWD at 271 W 3rd St North. Received 5/30/07 and called 602 @ 10:32 a.m.	Storm Water Utility Erosion	271 W 3RD ST N	WO Completed
2007-02558 6/15/2007 2 x 2 SWD grate at the alley entry to the west of 618 E Douglas is broken. Received 5/30/07 and called 603 @ 10:54 a.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	618 E DOUGLAS AVE	Completed
2007-02580 6/18/2007 Ditch in front of business doesn't drain. He says he thinks it's a clogged culvert.	Storm Water Utility Culvert Cleaning/Maintenance	1545 E 29TH ST N	On Hold
2007-02582 6/18/2007 Apartment complex to the west of these homes is draining onto and through their property. With this amount of rain, water has even made it to the basement. I gave Mr. Carroll the name and address of the owners of the apartment complex and will meet with him on site 6/19/07 at 10:00 am.	Storm Water Utility Yard Drainage	107 S LOCHINVAR DR S LOCHINVAR DR	Completed
2007-02589 6/18/2007 Grass along Dry Creek is getting very tall. Called 916 - advised that that is scheduled to be done soon.	Storm Water Utility Vegatation	4700 E ORME ST	Completed
2007-02595 6/18/2007 Storm drain plugged. Call came in on 6/14/07. Called 602 on 6/14 at 10:31 a.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1300 W MURDOCK AVE	WO Completed
2007-02622 6/18/2007 Storm drain has been damaged. Called 602 at 3:13 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1601 N FAIRVIEW ST	WO Completed
2007-02632 6/18/2007 Big ditch needs mowed. Called 303.	Flood Control Ditch Cleaning/Maintenance		Completed
2007-02650 6/19/2007	Flood Control Vegatation	6612 S MERIDIAN AVE	WO Completed

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Storm & Flood Requests for Service 2007

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Request # / Date	Category / Problem	Address / Cross Street	Status
Comments for Work Order			
Large cluster of poison ivy against his back fence at 6612 S Meridian. Please call him reference spraying it. Spoke with Paul Bradley @ 8:48 a.m.			
2007-02653	Storm Water Utility	459 N BAEHR ST	WO Completed
6/19/2007	Storm Drain Maintenance/Repair/Clea		
Storm drain does not drain.			
2007-02655	Storm Water Utility	2170 N RIVER BLVD	Completed
6/19/2007	Storm Drain Maintenance/Repair/Clea		
Jerry with Sewer Maint called to report a lid in the manhole lid. Called 602 on 6/13 at 1:49 p.m.			
2007-02665	Storm Water Utility	1200 N JACKSON AVE	Completed
6/19/2007	Sink Hole		
A sink hole is appearing in front of the SWD on the NWC of 12th St North and Jackson. Called 602 @ 2:21 p.m.			
2007-02680	Flood Control	2100 I-135 HWY	Completed
6/20/2007	Accident		
Vehicle went off I-135 into flood canal and was pulled out on the west side. Check for damages to canal. Received via e-mail from Doug A. on 6/19/07 @ 2:04 p.m.			
2007-02685	Flood Control	2000 I-135 HWY	Completed
6/20/2007	Accident		
Check for vehicle debris at the entrance to the Canal at Mt Vernon. Received via e-mail from Doug A. on 6/19/07 @ 2:04 p.m.			
2007-02690	Stream Maintenance	5801 E 17TH ST N	Completed
6/20/2007	Vegatation		
Drainage ditch at 5801 E 17th St North is overgrown with weeds and standing water attracting mosquitoes. Received via e-mail on 6/19/07 @ 2:20 p.m. from Doug A.			
2007-02697	Storm Water Utility	1000 E 63RD ST S	WO Completed
6/20/2007	Vegatation		
Big Ditch area on the west side of Seneca is overgrown - needs to be mowed.			
2007-02700	Stream Maintenance	15 N LINDEN DR	Completed
6/20/2007	Tree / Brush Obstruction		
Two cottonwood trees have fallen over onto other trees a while back. Mr. Haag contacted someone that looked at them and said it would take the coordination of 2 different departments to take care of it. I believe he spoke with Forestry. Dave, please take a look at this and see if we can do anything.			
2007-02702	Storm Water Utility	9444 E 29TH ST N	Completed
6/20/2007	Yard Drainage		
Drainage from property east of the hotel and K-96 is creating a problem of water pooling on their parking lot. Please call Augustine and meet with him to see if there are any solutions to the problem.			
2007-02721	Storm Water Utility	2109 E 48TH ST S	WO Completed
6/21/2007	Culvert Cleaning/Maintenance		
Culvert is clogged and needs to be cleaned.			
2007-02735	Stream Maintenance	2101 S BLUFF ST	Completed
6/22/2007	Vegatation		
Mr. Akers contacted Dave Ornelas concerning area behind house not being mowed and has poison ivy growing. Area behind Mr. Akers house was bought out by City and is mowed by contractor. I located the NE & NW property iron on Mr. Akers property, and found the area in question to be the homeowners land. Mr. Akers was contacted by Dave Ornelas and informed of findings.			
2007-02746	Flood Control	1333 W SULLIVAN CIR	WO Completed
6/22/2007	Vegatation		
Flood Control Levee "C" at 1333 Sullivan Circle is overgrown and needs to be mowed. Received letter via Doug A. on 6/21/07 p.m.			
2007-02748	Storm Water Utility	8913 W MEADOW KNOLL CT	Completed
6/22/2007	Yard Drainage		
Backyards in the area do not drain.			
2007-02748	Storm Water Utility	8913 W MEADOW KNOLL CT	Completed
6/22/2007	Yard Drainage		
Backyards in the area do not drain.			

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Storm & Flood Requests for Service 2007

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Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
2007-02752 6/22/2007 Catch basins in area need to be cleaned out.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1200 W 23RD ST N	WO Completed
2007-02765 6/22/2007 Water is standing along property line. Could Temple E-Manuel be blocking drainage?	Storm Water Utility Yard Drainage	326 N BROOKFIELD PL	Completed
2007-02798 6/25/2007 2 manhole lids are down in the hole. Called A. Johnson.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	3700 E DUNHAM AVE	WO Completed
2007-02813 6/26/2007 Drainage ditch needs mower. Called Dave Ornelas on 6/25/07 at 10:26 a.m.	Stream Maintenance Vegatation	2826 E GLENN ST	Completed
2007-02819 6/26/2007 SWD at 2041 S Washington is clogged. Received 6/04/07 and called 603 @ 1:20 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	2041 S WASHINGTON AVE	WO Completed
2007-02825 6/26/2007 SWD at the NEC of Spruce and Morris is clogged. Received 6/04/07 and called 603 @ 3:44 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	800 S SPRUCE ST	WO Completed
2007-02864 6/27/2007 Storm drain needs cleaned out.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	6100 E 21ST ST N	WO Completed
2007-02883 6/28/2007 Storm drain plugged. Called 603 at 9:18 a.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	600 E 15TH ST N	WO Completed
2007-02885 6/28/2007 SWD in the NWC of Skinner and Ellis is clogged. Called 603 @ 7:35 a.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1800 S ELLIS ST	WO Completed
2007-02888 6/28/2007 SWD at SB I-135 exit ramp on 1st St North (NWC) is clogged. Called 603 @ 10:13 a.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	100 I-135 RAMP	WO Completed
2007-02892 6/28/2007 Check SWD between 1 & 3 Swallow St. Received via e-mail from Doug A.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1 SWALLOW ST	WO Completed
2007-02893 6/28/2007 Grass clippings and debris have been piled on spillway for several years. The piles used to be burnt, but have been left for several years. M checking with Scott Lindebak and Mark Hall regarding our authority in this instance.	Storm Water Utility Illegal Dumping	12170 W JAYSON CIR	Completed
2007-02894 6/28/2007 Sidewalk grates are full of water and it is seeping into adjacent basement.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	100 S MARKET ST	Completed
2007-02895 6/28/2007 Storm drain plugged. Called 603 at 12:33 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1357 S PATTIE ST	WO Completed
2007-02904 6/28/2007 There are 8 to 9 ducklings in a storm drain on the NEC of WB Kellogg Exit Ramp on Meridian. Received via e-mail from Doug A.	Storm Water Utility Item Retrieval	600 S MERIDIAN AVE	WO Completed
2007-02929 6/29/2007 NW Storm Drain at 12th & Fairview is plugged up. Called 602 at 10:16 a.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	400 W 12TH ST N	WO Completed

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Request # / Date	Category / Problem	Address / Cross Street	Status
2007-02934	Storm Water Utility	3300 N GOVERNEOUR CIR	WO Completed
6/29/2007	Storm Drain Maintenance/Repair/Clea		
SWD's have sand bags in front of them not allowing water to drain. Called 603 @ 10:35 a.m.			
2007-02935	Storm Water Utility	800 S GROVE ST	WO Completed
6/29/2007	Storm Drain Maintenance/Repair/Clea		
SWD clogged at Grove and Morris. Called 603 @ 10:35 a.m.			
2007-02938	Storm Water Utility	1803 N COVINGTON CT	WO Completed
6/29/2007	Storm Drain Maintenance/Repair/Clea		
SWD lid is off in front of 1803 S Covington Ct. Called 602 @ 2:04 p.m.			
2007-02944	Storm Water Utility	647 S BLECKLEY DR	WO Completed
6/29/2007	Storm Drain Maintenance/Repair/Clea		
SWD in front of 647 S Bleckley is clogged and water is backing up. Called 603 @ 3:59 p.m.			
2007-02970	Storm Water Utility	2355 S GREEN ST	Completed
7/2/2007	Yard Drainage		
Backyard needs regrading suggestions. Will meet on site.			
2007-02978	Storm Water Utility	454 NINE IRON DR	Completed
7/2/2007	Yard Drainage		
Her backyard is always wet and smells terrible. They had the sewer line checked for leakage and found none. What can they do to help drain their yard without affecting their neighbors? Please call and and let her know of your suggestions for possibly solving their dilemna. She is home after 4:00 p.m.			
2007-02982	Storm Water Utility	8200 E GILBERT ST	WO Completed
7/2/2007	Street Drainage		
end of Gilbert is not draining into the creek as it should. Please check to see what the problem is. Received via e-mail from Doug A. at p.m.			
2007-02988	Stream Maintenance	8202 E GILBERT ST	Completed
7/3/2007	Storm Drain Maintenance/Repair/Clea		
Water not flowing properly into the creek.			
2007-03005	Storm Water Utility	3100 E DOUGLAS AVE	WO Completed
7/3/2007	Man Hole / Lid Maintenance/Repair		
Manhole lid is loose and rattles when run over in the SB curb lane. Called 603 on 7/2/07 at 12:15 p.m.			
2007-03009	Storm Water Utility	4601 N MEADOW LN	WO Completed
7/3/2007	Storm Drain Maintenance/Repair/Clea		
Storm Drains in her front and back yards are clogged. Received 7/02/04 via e-mail from Doug A. @ 4:26 p.m.			
2007-03011	Storm Water Utility	2500 W IRVING ST	WO Completed
7/3/2007	Culvert Cleaning/Maintenance		
Clean out culverts along Irving between Meridian and Richmond. Lee Brown is to dig out ditches first and let you know when he's through.			
2007-03035	Storm Water Utility	4300 E 1ST ST	WO Completed
7/3/2007	Storm Drain Maintenance/Repair/Clea		
Storm Drain on NWC of 1st & Crestway is blocked. Called 603 at 2:07 p.m.			
2007-03037	Storm Water Utility	6300 E EASTWOOD ST	WO Completed
7/3/2007	Storm Drain Maintenance/Repair/Clea		
Drainage grade has been removed from Storm Drain. Called 603 at 12:18 p.m.			
2007-03041	Storm Water Utility	3200 N MARKET ST	WO Completed
7/3/2007	Culvert Cleaning/Maintenance		
Culverts are clogged on the west side of Market starting at the 3200 block of North Market. Called 602 @ 3:36 p.m.			
2007-03044	Storm Water Utility	9410 E PEBBLEBROOK ST	Completed
2007	Yard Drainage		
kyard is the lowest in the neighborhood. Needs suggestions.			
2007-03055	Storm Water Utility		WO Completed
7/6/2007	Storm Drain Maintenance/Repair/Clea		

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Request # / Created	Category / Problem	Address / Cross Street	Status
Comments for Work Order			
Storm Drain is in back yard - area sunk down, things storm drain is collapsed. Called 602 at 2:43 p.m.			
2007-03064 / 7/6/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2527 S YELLOWSTONE CT	WO Completed
SWD clogged at 2527 S Yellowstone Ct. Called 602 cell phone and left a message @ 10:14 a.m. as his radio does not appear to be working.			
2007-03066 / 7/6/2007	Storm Water Utility / Yard Drainage	1163 S SILVERDALE CT	Completed
Backyard is holding water. Please call her at work to set up a time to see and discuss the problem and possible solutions. (She has a dog in the backyard.)			
2007-03070 / 7/6/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1357 S PATTIE ST	WO Completed
Storm drain plugged. Called 602 at 12:43 p.m.			
2007-03071 / 7/6/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2300 N PRINCE AVE	WO Completed
Trash in storm drain. Called 602			
2007-03090 / 7/6/2007	Storm Water Utility / Sink Hole	400 W WATERMAN ST	WO Completed
There is a sink hole on the west side of the drain in front of the Hyatt parking garage behind the evergreen trees. Spoke with 602 @ 12:55 p.m.			
2007-03110 / 7/9/2007	Storm Water Utility / Trash / Debris Obstruction	601 W NORTH CT	Completed
Trash and debris along creek behind his house. Wants to know if he can go in and clean it out if it is not City property. Please call him.			
2007-03110 / 7/9/2007	Storm Water Utility / Trash / Debris Obstruction	601 W NORTH CT	Completed
Trash and debris along creek behind his house. Wants to know if he can go in and clean it out if it is not City property. Please call him.			
2007-03114 / 7/9/2007	Stream Maintenance / Creek Run	4820 E 31ST DR S	WO Completed
Limbs and trash dumped in ditch. Says his neighbors put it there. Called 902 at 10:00 a.m.			
2007-03124 / 7/9/2007	Stream Maintenance / Tree / Brush Obstruction	11200 E BAYLEY ST	Completed
Old cottonwood tree is falling onto residential property from drainage behind complaintaint's house. Needs to be cut up and hauled off			
2007-03138 / 7/9/2007	Storm Water Utility / Yard Drainage	7614 E OXFORD ST	Completed
Backyard at 7614 E Oxford St is not draining properly and is holding water. Please call Abraham and inform him of possible options to alleviate this situation. Wrong Number!			
2007-03145 / 7/10/2007	Storm Water Utility / Culvert Cleaning/Maintenance	901 S ROMNEY TER	WO Completed
culvert needs cleaned. Attempted to call 603 at 8:08 a.m.			
2007-03152 / 7/10/2007	Stream Maintenance / Vegatation	2826 S GLENN ST	Completed
Caller requests draiange area be mowed. Was Informed by David Ornelas that it was scheduled for 6/26/07.			
2007-03153 / 7/10/2007	Storm Water Utility / Culvert Cleaning/Maintenance	5700 S PATTIE ST	WO Completed
Culvert clogged.			
2007-03159 / 7/10/2007	Storm Water Utility / Yard Drainage	6715 W MAPLE ST	WO Completed
Drain on the east side of driveway needs to be cleaned out. Called 602.			
2007-03160 / 7/10/2007	Flood Control / Ditch Cleaning/Maintenance	1700 N NOTTINGHAM LN	Completed
Buildup in the ditch that won't let water flow through. Needs to be cleaned out.			

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2007-03170 / 7/10/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2400 W 53RD ST N	WO Completed
Contractor tryng to boar - hit storm drain?			
2007-03171 / 7/10/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1400 W 11TH ST N	Completed
Storm drain is plugged. Called 602 at 9:05 a.m.			
2007-03183 / 7/10/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	661 N ELDER ST	Completed
Storm drain in SEC is plugged up. Called 602. Upon arriving at this location, I found that a City of Wichita Police officer had already cleared the blockage from the fromt of the drain and the water had drained away.			
2007-03186 / 7/10/2007	Stream Maintenance / Vegatation	2400 N GORDON AVE	Completed
When will rest of drainage ditch be mowed. Called 902 at 3:26 p.m.			
2007-03187 / 7/10/2007	Storm Water Utility / Man Hole / Lid Maintenance/Repair	2700 E LINCOLN ST	WO Completed
Catch basin cover is at an angle. Called 603 at 3:36 p.m.			
2007-03188 / 7/10/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	7322 E ELM CT	WO Completed
Storm drain at back of property is plugged. She says there are others houses with the same problem. Call her and advise if this is not the City's to handle, or to get other addresses.			
2007-03194 / 7/11/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2100 N MAIZE RD	WO Completed
SWD's clogged on Maize from 21st St North to 37th St North. Received 7/10/07 via e-mail from Doug A.			
2007-03195 / 7/11/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1300 N BROADWAY AVE	WO Completed
SWD lid off at the NWC of 13th St North and Broadway. Received 7/10/07 via e-mail from Doug A.			
2007-03197 / 7/11/2007	Storm Water Utility / Man Hole / Lid Maintenance/Repair	2043 N WAWONA ST	WO Completed
SS lid on SWS MH. Received 7/10/07 @ 3:02 p.m. via e-mail from Doug A.			
2007-03198 / 7/11/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	4405 E WILLOW POINT ST	WO Completed
The SWD in the NWC of the backyard at 4405 E Willow Point is not draining properly and needs to be cleaned out. Please call Troy and let him know that we will take care of this for him.			
2007-03204 / 7/12/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1700 E 1ST ST N	WO Completed
SWD on 1st St North at I-135 adjacent to the Red Cross parking lot is plugged and backing up into the parking lot. Received 7/11/07 @ 3:57 p.m. via e-mail from Doug A.			
2007-03208 / 7/12/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	2700 W DOUGLAS AVE	Completed
SWD in the SWC of Douglas and Edwards is clogged. Called 602 @ 10:38 a.m.			
2007-03211 / 7/12/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	7732 E CENTRAL AVE	WO Completed
The SWD just west of 7732 E Central is clogged. Called 603 @ 2:01 p.m.			
2007-03216 / 7/12/2007	Storm Water Utility / Vegatation	2716 N BATTIN ST	Completed
Drainage area behind 2716 N Battin needs to be mowed. Received via e-mail from Doug A.			
2007-03218 / 7/12/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	3412 N EDWARDS ST	WO Completed
E/W culvert is packed with sand. Called 602 at 2:56 p.m.			

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Storm & Flood Requests for Service 2007

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Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
2007-03262 7/16/2007 Storm drain plugged at Grove & Elm. Called 603 at 9:04 a.m. Call came in on 7/13/07	Storm Water Utility Storm Drain Maintenance/Repair/Clea	2300 E ELM ST	WO Completed
2007-03273 7/16/2007 Backyard is holding water. Needs suggestions.	Storm Water Utility Yard Drainage	2909 N WILD ROSE CT	Completed
2007-03288 7/16/2007 SWD lid damaged when Waste Management truck drove over the NEC of Kincaid and Exchange Place. Received 7/13/07 @ 3:11 p.m. via e-mail from Doug A.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	700 W KINKAID AVE	WO Completed
2007-03291 7/16/2007 Inlet needs to be repaired at the NWC of Central and Oliver. Received 7/16/07 @ 2:08 p.m. via e-mail from Doug A.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	400 N OLIVER AVE	WO Completed
2007-03300 7/17/2007 SWD lid is partially off on the north side of 21st St North, east of West St. Called 602 @ 10:37 a.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	2100 N WEST ST	WO Completed
2007-03313 7/17/2007 Citizen says that limbs and debris have blocked the drain in his backyard.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	2401 N BLUFF AVE	WO Completed
2007-03314 7/18/2007 Backyard has low spots. Needs advice and possible solutions	Storm Water Utility Yard Drainage	6409 E FARMVIEW LN	Completed
2007-03315 7/18/2007 After the last few big rains, a small concrete dam located on Spring Branch of Four mile creek near E Harry and 143rd East received major wash around and to the north. Over the last few years, the neighborhood has tried several times to maintain any erosion around the North and South of the dam, but now it is to big for our backs. The current issue is the fact that erosion to the North has undercut many trees which are about to fall across whole stream which could cause major flooding to the Springhollow Neighborhood. My quick look solution would be a couple of large trucks of Rock or Stacking Concrete Rip Rap. Please have your team take a look at this issue, as soon as possible, for proactive measures. You can get contact myself, Mark Brzon at 218-0729 or Cliff Nielsen at 744-2909 for follow-up and/or more detail.	Storm Water Utility Creek Run	S CREEKSIDE CT S SPRING HOLLOW CT	Completed
2007-03342 7/19/2007 The Floodway needs mowing around 36th St North and Armstrong. Called 303 @ 10:51 a.m.	Flood Control Vegatation	3600 N ARMSTRONG AVE	WO Completed
2007-03376 7/20/2007 This address has flooded twice in the last 4 years. Inlet does not seem to be able to handle large amounts of water. Will call 603 to clean. Has been televised and is in good shape.	Storm Water Utility High Water	5647 E COE CT	On Hold
2007-03382 7/23/2007 Dry Creek was mowed last week but not trimmed along Skinner from Lexington to Drollinger. Called 902 @ 8:27 a.m.	Stream Maintenance Vegatation	1849 S LEXINGTON RD	Completed
2007-03386 7/23/2007 Resident has placed paving bricks and a drainage pipe system in the drainageway for a neighboring subdivision's pond. This is causing the pond to sit higher than the HOA is comfortable with. Investigate and determine if the "structure" needs to be removed.	Storm Water Utility High Water	101 S BREEZY POINTE CIR	Completed
2007-03387 7/23/2007 Drainage Swale and detention area has been filled in. We have contacted the design consultant and received the grading plan and have contacted OCI. The culvert under Douglas that drains this area is also not working properly.	Storm Water Utility High Water	12324 E DOUGLAS AVE N JACKSON HEIGHTS CT N	On Hold
2007-03388 7/23/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	401 E DOUGLAS AVE	WO Completed

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Comments for Work Order			

Inlet at the alley entry on the south side of 401 E Douglas is clogged. Please call Mark Bertha and let him know what you find. Called 603 @ 11:32 a.m.

2007-03396	Storm Water Utility	300 N ST PAUL ST	Completed
7/23/2007	Storm Drain Maintenance/Repair/Clea		

Beer cans and the carton have been thrown in the inlets located on the NE and NW corners of 3rd St North and St Paul. Called 602 @ 2:33 p.m.

2007-03422	Storm Water Utility	2200 N RIDGEWOOD DR	WO Completed
7/24/2007	Illegal Dumping	N RIDGEWOOD DR	

Citizen said that someone has dumped fish and other rotting food in an inlet on the west side of Ridgewood. She could not give an exact location, but I would suspect it is either on Ridgewood or on Croyden.

2007-03427	Storm Water Utility	1200 N CRESTLINE AVE	WO Completed
7/24/2007	Storm Drain Maintenance/Repair/Clea		

Inlet on the NEC of 12th St North and Crestline is in need of repair. Received via e-mail from Doug A. @ 2:17 p.m.

2007-03445	Stream Maintenance	317 W 43RD ST N	WO Completed
7/26/2007	Ditch Cleaning/Maintenance		

Drainage ditch in front of his and his neighbors house has a low area in it causing the water to pool. Called 205 @ 11:11 a.m.

2007-03463	Storm Water Utility	2900 W MEADOW PARK CT	WO Completed
7/26/2007	Storm Drain Maintenance/Repair/Clea		

Storm drain in his lot (not developed) is plugged up. Called 602.

2007-03469	Storm Water Utility	2100 N BRAMBLEWOOD ST	WO Completed
7/27/2007	Storm Drain Maintenance/Repair/Clea		

Roger is hearing running water in the SWD 50 yds north of 21st St North on Bramblewood and would like someone to call him about it. Called 603 @ 9:43 a.m.

2007-03473	Storm Water Utility	3400 E PINE ST	WO Completed
7/27/2007	Storm Drain Maintenance/Repair/Clea		

Clean storm drain in front of Wichita Clinic. Called 603 at 12:29 p.m.

2007-03486	Storm Water Utility	1500 S GEORGE WASHINGTON DR	WO Completed
7/30/2007	Storm Drain Maintenance/Repair/Clea		

Water curb deep in GWB Drive from Harry running North on the east side. Received 7/30/07 via e-mail @ 9:23 a.m.

2007-03490	Storm Water Utility	1300 E ZIMMERLY ST	WO Completed
7/30/2007	Storm Drain Maintenance/Repair/Clea		

Storm Drain needs to be cleaned out. Called 603 at 11:58 a.m.

2007-03495	Storm Water Utility	1300 E PAWNEE AVE	WO Completed
7/30/2007	Storm Drain Maintenance/Repair/Clea		

Storm drains not draining all 3 corners. Called 603 at 10:34 a.m.

2007-03523	Storm Water Utility	1200 E SKINNER ST	WO Completed
7/31/2007	Storm Drain Maintenance/Repair/Clea		

Concrete broken up - called 603 at 11:18 a.m.

2007-03528	Storm Water Utility	936 N BATTIN AVE	Completed
7/31/2007	Yard Drainage		

Basement floods during heavy rain events. Spoke with Carrier in 2001.

2007-03553	Stream Maintenance	1839 S WHITE OAK CIR	Completed
8/1/2007	Tree / Brush Obstruction		

Trees growing in the stream that need to be cleaned out.

2007-03560	Storm Water Utility	12801 W HENDRYX CT	WO Completed
8/2/2007	Line Cleaning Maintenance		

His yard inlet is part of a wet system. He is having a terrible problem with mosquitoes. Can we clean the line in his yard and the nearby system to make sure that there is nothing blocking the water flow?

2007-03567	Stream Maintenance	12419 W RIDGEPOINT CT	Completed
8/2/2007	Tree / Brush Obstruction		

Request # / Created	Category / Problem	Address / Cross Street	Status
Comments for Work Order			

Just south of property line at 12419 Ridgepoint Ct - dead tree's blocking flow. Called 902 at 3:45 p.m.

2007-03569	Storm Water Utility	1500 S RIDGE RD	WO Completed
8/2/2007	Storm Drain Maintenance/Repair/Clea		

Lid is off SWD at Harry and Ridge. Called 603 @ 8:46 a.m.

2007-03574	Storm Water Utility	8131 E MULBERRY ST	Completed
8/2/2007	Erosion		

Mud is washing off vacant lot into the C & G. Can anything be done to alleviate the situation?

2007-03586	Storm Water	10142 W BELLA VISTA ST	WO Completed
8/3/2007	Storm Drain Maintenance/Repair/Clea		

Skateboard has been dropped into the storm drain. Called 603 at 3:13 p.m.

2007-03593	Storm Water Utility	2339 N BURNING TREE DR	WO Completed
8/3/2007	Sink Hole		

The yard over the drainage pipe is beginning to sink.

2007-03597	Stream Maintenance	3501 S GLENN ST	Completed
8/6/2007	Tree / Brush Obstruction		

Tree limbs dumped in drainage ditch. Called 902 at 9:12 a.m.

2007-03615	Storm Water Utility	1001 W MUNNELL AVE	WO Completed
8/7/2007	Storm Drain Maintenance/Repair/Clea		

Storm drain needs to be cleaned out. Called 602 at 1:17 p.m.

2007-03619	Storm Water Utility	2000 S HYDRAULIC AVE	WO Completed
8/7/2007	Storm Drain Maintenance/Repair/Clea		

SWD lid is missing on the north side of Mt Vernon and east of Hydraulic. Called 603 @ 11:22 a.m.

2007-03622	Storm Water Utility	7100 W HARRY ST	WO Completed
8/7/2007	Man Hole / Lid Maintenance/Repair		

Construction work uncover SW manhole damaging the lid and bricks. Called 602 @ 3:47 p.m.

2007-03643	Stream Maintenance	3377 E ROSEBERRY CT	Completed
8/9/2007	Trash / Debris Obstruction		

Resident that lives in 3377 E Roseberry Ct is complaining of a lot of trash behind her house. Received via e-mail on 8/08/07 from Doug A. @ 4:42 p.m.

2007-03644	Storm Water Utility	341 S RUTAN AVE	WO Completed
8/9/2007	Item Retrieval		

An expensive skateboard was accidentally went into the SWD in the middle of the 300 block of South Rutan. Called 603 @ 8:52 a.m.

2007-03746	Storm Water Utility	1412 S FAWNWOOD ST	Completed
8/15/2007	Yard Drainage		

Scott,
Received a call Friday from Darlene with OCI concerning a homeowner complaint out at Auburn Hills. Resident at 1412 Fawnwood believes City/Auburn Hills golf course should help address drainage from his lot. Met with Darlene, Ron Mosher and homeowner, Lee Farris, on site yesterday. Mr. Farris stated that he has been at this residence for 1.5 years. He has a problem with water standing against his foundation so he contacted his builder. His builder stated that he could put in a french drain to the back of his lot but the golf course would need to lower the grade so that the water would exit the tile. So Mr. Ferris called OCI and OCI called golf. I told Mr. Farris that I was no expert on storm water drainage but that it appeared to me that there was sufficient grade for storm water to exit his property. I also told him that I would contact you for your input. There is sprinkler on the course immediately behind his neighbor to the north that needs some attention on our part and Ron will take care of it. Call me to discuss and maybe we can set down with Darlene and look at an aerial at the same time. Thanks, Don

2007-03747	Storm Water Utility	1119 S ROYAL RD	Completed
8/15/2007	Yard Drainage	S APACHE DR	

Joe Botinelly in SS Maintenance called this in. These 2 properties have a drainage problem and need some suggestions.

2007-03747	Storm Water Utility	1119 S ROYAL RD	Completed
8/15/2007	Yard Drainage	S APACHE DR	

Joe Botinelly in SS Maintenance called this in. These 2 properties have a drainage problem and need some suggestions.

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Storm & Flood Requests for Service 2007

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2007-03771 8/16/2007	Flood Control Tree / Brush Obstruction	3700 N ARKANSAS AVE	Assigned to WO
There are a bunch of tree limbs laying on Levee D at 37th St North and west of Arkansas. Received via e-mail on 8/16/07 @ 2:00 p.m.			
2007-03785 8/17/2007	Storm Water Utility Man Hole / Lid Maintenance/Repair	11771 W KELLOGG DR S	Completed
MH lid is missing at the SWC of 11771 W Kellogg Dr South. Called 602 @ 11:48 a.m.			
2007-03797 8/20/2007	Storm Water Utility Yard Drainage	11413 E PINE MEADOW ST	Completed
Easement Area is not draining well.			
2007-03821 8/21/2007	Stream Maintenance Vegatation	111 S WHITTIER ST	Completed
Armour Drain from Douglas to Kellogg needs to be mowed.			
2007-03834 8/22/2007	Stream Maintenance Vegatation	1200 E 49TH ST N	WO Completed
Floodway ditch needs mowed.			
2007-03849 8/23/2007	Storm Water Utility Yard Drainage	4508 S GREENWOOD AVE	Completed
Backyard slope seems quite severe, can we check to see if they can level out for maintenance? Chris Sisson.			
2007-03849 8/23/2007	Storm Water Utility Yard Drainage	4508 S GREENWOOD AVE	Completed
Backyard slope seems quite severe, can we check to see if they can level out for maintenance? Chris Sisson.			
2007-03850 3/2007	Storm Water Utility Construction/Utility Work	14119 W MAPLE ST	Completed
Wants to build a pond, needs a bit of advice.			
2007-03888 8/28/2007	Storm Water Utility Culvert Cleaning/Maintenance	15600 W HENDRYX ST	On Hold
Sediment build-up. Called 602 @ 1:53pm.			
2007-03905 8/28/2007	Storm Water Utility Yard Drainage	8810 W CENTRAL PARK ST	WO Completed
Please run this line and let Deb know if it is clear or not.			
2007-03920 8/30/2007	Stream Maintenance Trash / Debris Obstruction	6100 E HARRY ST	Completed
Large wet vac, cardboard, wood boards.			
2007-03921 8/30/2007	Stream Maintenance Yard Drainage	2525 S GREENLEAF ST	Completed
2500 blk of Greenleaf drainage problems from Cypress Street with 2 inches standing water alond the block.			
2007-03921 8/30/2007	Stream Maintenance Yard Drainage	2525 S GREENLEAF ST	Completed
2500 blk of Greenleaf drainage problems from Cypress Street with 2 inches standing water alond the block.			
2007-03928 8/30/2007	Storm Water Storm Drain Maintenance/Repair/Clea	2119 W VENTOSO RD	WO Completed
Culvert needs cleaned. Called 602 @ 2:05pm.			
2007-03930 8/30/2007	Storm Water Utility Sink Hole	1422 N VALLEYVIEW CT N VALLEYVIEW CT	Completed
Can we televise this line please and determine if there is any damage?			
2007-03931 0/2007	Storm Water Utility Culvert Cleaning/Maintenance	1425 S MCLEAN BLVD	On Hold
There is constant runoff along the river and bikepath from this storm line (2 outfalls). Can we please televise it to see if the line is damaged or if there is a connection we should know about?			

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Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
2007-03944 8/31/2007	Storm Water Storm Drain Maintenance/Repair/Clea	10500 W 21ST ST N	Completed
Drainage Ditch holds water, causing mosquitoes, citizen very concerned. E-mailed 602. This ditch holds water in the pilot channel. There is nothing we can do short of re-grading the whole ditch from 21st to south of Central. I tried to return the call to explain my answer to his question but this number was not a working number.			
2007-03953 9/4/2007	Storm Water Storm Drain Maintenance/Repair/Clea	1600 W 30TH ST S	WO Completed
cement broken on catch basin. Call 602 @ 9:08am			
2007-03957 9/4/2007	Storm Water Storm Drain Maintenance/Repair/Clea	7322 E ELM ST	WO Completed
Resident stated was cleaned appx 5 weeks ago, but there is more standing water which attracts mosquitoes. Call 603 @ 11:15am.			
2007-03964 9/4/2007	Flood Control Vegatation	3600 N SALINA RD	Completed
Weeds and grass is extremely high and needs to be mowed along the big ditch.			
2007-03995 9/7/2007	Stream Maintenance Storm Drain Maintenance/Repair/Clea	200 N BROOKSIDE PKWY	Completed
Insufficient mowing by contracted mowers, do not finish the job and only comes once a month. Call 902 @ 11:38am.			
2007-04010 9/7/2007	Storm Water Utility Yard Drainage	12383 E LINCOLN CT	Completed
Backyard does not drain well, neighbor has threatened to sue if water is increased on their yard.			
2007-04018 9/10/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	962 N BACK BAY BLVD	WO Completed
Storm drain at 962 N Back Bay Blvd is stopped up. Spoke with Joe C. @ 7:45 a.m.			
2007-04019 9/10/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	5734 E 10TH ST N	WO Completed
Storm Drain behind house needs to be cleaned out. Called 603 at 8:30 a.m.			
2007-04075 9/13/2007	Storm Water Utility Man Hole / Lid Maintenance/Repair	7627 E 37TH ST N	WO Completed
Couple of SW manhole lids are off at 7627 E 37th St North. Called 603 @ 12:23 p.m.			
2007-04082 9/14/2007	Storm Water Utility Man Hole / Lid Maintenance/Repair	5600 E 9TH ST N	WO Completed
Man hole cover. Call 603 @ 12:48			
2007-04083 9/14/2007	Storm Water Storm Drain Maintenance/Repair/Clea	6000 E CENTRAL AVE	WO Completed
5 foot pile of dirt with trees, grass & bushes. Call 902 @ 1:37pm			
2007-04085 9/14/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	300 E LEWIS ST	WO Completed
Storm sewer NWC is plugged at Topeka & Lewis.			
2007-04087 9/14/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	220 N FERN AVE	WO Completed
clogged culvert on 1st, between Elizabeth & Fern			
2007-04091 9/14/2007	Storm Water Utility Culvert Cleaning/Maintenance	2300 S SOUTHWEST BLVD	WO Completed
Each end of the culverts at Southwest Blvd and West St need to be cleaned out. Called 602 @ 3:54 p.m.			
2007-04104 9/18/2007	Flood Control Vegatation	6000 W CENTRAL ST	WO Completed
Big Ditch needs mowed betweeen Central & 13th.			
2007-04107 9/18/2007	Storm Water Utility Yard Drainage	407 N RAINBOW LAKE RD N RACEHORSE ST	Completed

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Neighbor waters so much that basement is flooding. Has installed drain tiles, swales and a berm to try to protect home. Neighbor is threatening to sue as water now stands on their property. Mr. McClenny has spoken with Dave Dennis (?) and Ray Sledge. The neighbor has filed a complaint with OCI and has requested a letter from us as well.********** Patti Tasker 406 Racehorse ptasker@sbcglobal.net********Cell 213-3386

2007-04121	Storm Water Utility	1100 W RIVER PARK DR	WO Completed
9/19/2007	Sink Hole		

Sink hole east of Oak Park entrance at 11th and River Dr. Received via e-mail from Doug A. on 9/18/07 @ 4:38 p.m.
I could not locate the sink hole so I contacted Eva Moore to get a more precise location and she told me that the hole had already been filled in by the next day and before I had a chance to check it out.

2007-04138	Stream Maintenance	5100 E LOOMAN ST	Completed
9/20/2007	Vegatation		

Drainage R-O-W on the west side of 5100 E Looman is overgrown with grass and weeds and obstructing drainage of the area. Received via e-mail from Doug A. on 9/20/07 @ 8:06 a.m.

2007-04150	Stream Maintenance	3000 W 30TH ST S	Completed
9/20/2007	Vegatation		

Grass clippings on NEC of Glenn and 30th and on the footbridge. Spoke with 902 @ 3:23 p.m.

2007-04156	Storm Water Utility	11511 W KENNY ST	WO Completed
9/21/2007	Sink Hole		

Sink hole next to SWD at 11511 W Kenny St/Ln. Received via e-mail from Doug A. on 9/21/07 @ 7:30 a.m.

2007-04157	Stream Maintenance	2321 S CAPRI LN	Assigned to WO
9/21/2007	Tree / Brush Obstruction		

Trees behind 2321 Capri Ln are full of bugs (Cherry Creek Drain) and she would like to have them cut down. Received via e-mail from Doug A. on 9/21/07 @ 8:59 a.m.

2007-04167	Storm Water Utility	5500 E LINCOLN ST	Completed
9/21/2007	Man Hole / Lid Maintenance/Repair		

Storm drain lid broken and falling into the storm drain. Called 603 on 9/17/07 at 1:50 p.m.

2007-04199	Storm Water Utility	2400 W 25TH ST N	WO Completed
9/24/2007	Man Hole / Lid Maintenance/Repair		

Storm drain grade knocked off. Called 603 at 9:03 a.m.

2007-04206	Storm Water Utility	700 W IRVING ST	WO Completed
9/25/2007	Item Retrieval		

Cover off catch basin. Call 602 @ 8:22am

2007-04212	Flood Control	1124 W 36TH ST N	WO Completed
9/25/2007	Vegatation		

Tall weed along Big Dictch. Call 303 @ 1:02pm

2007-04235	Storm Water Utility	10406 W LAMP CIR	Completed
9/26/2007	Yard Drainage		

Yard drainage problems at 10406 W Lamp Cir and involving a couple of other houses. Sent e-mail to Deb @ 4:17 p.m.

2007-04273	Storm Water Utility	300 N ST PAUL AVE	WO Completed
10/1/2007	Storm Drain Maintenance/Repair/Clea		

SWD on the SEC of 3rd St North and on St Paul is filled with trash. Called 602 @ 2:11 p.m.

2007-04284	Storm Water Utility	1300 N MAIN ST	Completed
10/2/2007	Man Hole / Lid Maintenance/Repair		

MH lid is gone leaving an open manhole in the intersection EB lanes of 13th St North and Main (south of the CL). Called 602 @ 10:08 a.m.

2007-04286	Storm Water Utility	2937 N WILD ROSE CT	Completed
10/2/2007	Yard Drainage		

Back yard drainage area has silted in after construction of a neighbor's pool. HOA needs verification that any relandscaping will not have adverse effects on neighborhood drainage.

2007-04287	Storm Water Utility	6749 E BROMLEY CIR	WO Completed
10/2/2007	Storm Drain Maintenance/Repair/Clea		

SWD lid broken in half and half of it is down in the drain at 6749 E Bromley Cir. Called 603 @ 2:40 p.m.

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Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
2007-04305 10/3/2007 Two drains at Harry and Palisade are clogged with leaves and debris. Received via e-mail from Doug A. on 10/03/07 @ 4:14 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1500 S PALISADE ST	WO Completed
2007-04327 10/5/2007 The SWD at the corner of 19th St North and Jackson has a very bad odor coming out of it. Called 602 @ 1:18 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1900 N JACKSON AVE	WO Completed
2007-04341 10/5/2007 Curb inlet has collasped @ gutter. Called 403 @ 4:20 to place barricades.	2nd Shift Street Serv. Culvert Cleaning/Maintenance	2518 N SPRING HOLLOW ST	New Request
2007-04352 10/8/2007 storm drain block by dirt, limbs. Call 602 @ 9:08am	Storm Water Storm Drain Maintenance/Repair/Clea	1755 S ST CLAIR AVE	WO Completed
2007-04368 10/8/2007 weeds overgrown in ditch. E-mail 303 on 10-8-2007	Flood Control Vegatation	3700 N SALINA ST	WO Completed
2007-04372 10/9/2007 sink hole next to storm drain, hidden by grass.	Storm Water Storm Drain Maintenance/Repair/Clea	3000 W MAPLE ST	WO Completed
2007-04378 10/9/2007 Manhole cover sunk 8" to 10" below street level. Call 602 @ 9:09am	Storm Water Utility Man Hole / Lid Maintenance/Repair	200 W DOUGLAS AVE	WO Completed
2007-04399 10/10/2007 Sump pump runs constantly. Wants permission to put a deeter in the street. Told her the answer is no, but I would look at the area and see if I had any recommendations.	Storm Water Utility Yard Drainage	9507 E WOODSPRING CT	Completed
2007-04400 10/10/2007 Backyards are not draining well, rain or irrigationwise. New subdivision, has a 1.5% drainage plan for these yards. Call before you visit.**********Alan, please clean the lines in Bracken and Zimmerly in this area and let Deb know if there are any blockages. Thank you!	Storm Water Utility Yard Drainage	1122 S BRACKEN CT	WO Completed
2007-04423 10/12/2007 Metal sticks out of storm drain, blow a tire. Call 602 @ 11:01am	Storm Water Storm Drain Maintenance/Repair/Clea	1300 N BROADWAY ST	WO Completed
2007-04425 10/12/2007 Concrete broken up around the CB lid at the NEC of 29th St North and Amidon. Called 602 @ 12:35 p.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	2900 N AMIDON AVE	WO Completed
2007-04431 10/12/2007 Storm drain cover fell inside. Call 602 @ 3:40pm	Storm Water Storm Drain Maintenance/Repair/Clea	1904 N WOODLAWN AVE	WO Completed
2007-04437 10/15/2007 Storm drain blocked. Call 603 @ 8:27am.	Storm Water Storm Drain Maintenance/Repair/Clea	4600 E BOSTON ST	WO Completed
2007-04438 10/15/2007 Storm drain blocked. Call 602 @ 8:27am	Storm Water Storm Drain Maintenance/Repair/Clea	1100 N MT CARMEL AVE	WO Completed
2007-04439 10/15/2007 Storm drain blocked. Call 603 @ 9:08am	Storm Water Storm Drain Maintenance/Repair/Clea	1000 S TOPEKA AVE	WO Completed

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Request # / Created	Category / Problem	Address / Cross Street	Status
2007-04440 / 10/15/2007	Storm Water / Storm Drain Maintenance/Repair/Clea	300 S MARTINSON AVE	WO Completed
Storm drain blocked. Call 602 @ 9:23am			
2007-04444 / 10/15/2007	Storm Water Utility / Street Drainage	1200 S VINE ST	WO Completed
Street floods, please cheek elevation.			
2007-04453 / 10/15/2007	Storm Water / Storm Drain Maintenance/Repair/Clea	1100 N JACKSON ST	WO Completed
storm drain needs unclogged. Call 602 @ 1:55pm.			
2007-04462 / 10/16/2007	Storm Water Utility / Line Cleaning Maintenance	14209 E TWINLAKE DR	WO Completed
Alan, Please clean the storm lines in the backyards between Twinlake and Watson. They drain north to the pond. The property owners supposedly are having water back up close to their homes during rain events. The owners have spoken with the developers and builders but had not called to have the lines checked yet. I visited the site today and things seemed to be working well, small inlet grates.			
2007-04485 / 10/17/2007	Storm Water Utility / Line Cleaning Maintenance	300 N BLECKLEY DR	WO Completed
SWD line caved in at the 300 block of North Bleckley Dr in the school bus zone. Spoke with Alan @ 3:41 p.m. on 10/16/07.			
2007-04486 / 10/17/2007	Storm Water / Storm Drain Maintenance/Repair/Clea	518 E GILBERT ST	WO Completed
Blocked storm drain. Call 603 @ 8:24am.			
2007-04487 / 10/17/2007	Storm Water / Storm Drain Maintenance/Repair/Clea	1100 N FOREST AVE	WO Completed
Blocked Storm Drain. Call 602 @ 8:47am			
2007-04490 / 10/17/2007	Storm Water / Storm Drain Maintenance/Repair/Clea	1200 N CLEVELAND ST	WO Completed
blocked storm drain. Call 603 @ 8:47am			
2007-04491 / 10/17/2007	Storm Water / Storm Drain Maintenance/Repair/Clea	2119 W VENTOSO RD	WO Completed
Standing water problem @ storm drain. You gave her your card to call when it happen again so you could check out when happening. Call 602 @ 8:59 am			
2007-04494 / 10/17/2007	Stream Maintenance / Trash / Debris Obstruction	544 S BLECKLEY DR	WO Completed
Resident @ 538 cut down trees and threw them in creek creating blockage, with flooding. Call 902 @ 11:14am			
2007-04496 / 10/17/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	6700 W MAPLE ST	WO Completed
Drain needs to be cleaned out. Called 602 at 12:05 p.m.			
2007-04498 / 10/17/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	200 S CHAUTAUQUA AVE	WO Completed
SWD at Chautauqua and Waterman is clogged. Called 603 @ 10:51 a.m.			
2007-04500 / 10/17/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	1700 N HILLSIDE AVE	WO Completed
SWD at the NEC of 17th St North and Hillside is clogged. Called 603 @ 2:05 p.m.			
2007-04502 / 10/17/2007	Central Maintenance Facility / Erosion	328 N OLIVER ST	WO Completed
Surface erosion, requested barricades. Call 603 @ 1:20pm			
2007-04508 / 10/18/2007	Storm Water Utility / Erosion	6421 W JUNO AVE	WO Completed
Fill around inlet is sinking. SEC of Juno & Arapaho			
2007-04510 / 10/18/2007	Storm Water Utility / Storm Drain Maintenance/Repair/Clea	9322 E SHANNON WOODS ST	WO Completed

Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
SWD grate at the end of the drive approach at 9322 E Shannon Woods St has a lip on the edge that catches and holds all debris floating down the street. Could that lip be filed down? Please call Tara and let her know your determination.			
2007-04513 10/18/2007	Storm Water Storm Drain Maintenance/Repair/Clea	101 S LOCHINVAR DR	WO Completed
Storm drain clogged. Call 602 @ 9:22am.			
2007-04515 10/18/2007	Storm Water Storm Drain Maintenance/Repair/Clea	227 W 15TH ST N	WO Completed
Storm drain clogged. Call 602 @ 10:45am			
2007-04526 10/19/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	2542 N PLUMTHICKET CIR	Completed
The concrete surrounding the storm water grate located at the bottom of the drive approach at 2542 N Plumthicket Cir. is breaking up and allowing the grate to slide a little when drove over. Called 602 @ 11:46 a.m.			
2007-04527 10/19/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	801 E MT VERNON RD	WO Completed
SWD at 801 E Mt Vernon on Mead is clogged. Called 602 @ 12:29 p.m.			
2007-04546 10/22/2007	Storm Water Utility Man Hole / Lid Maintenance/Repair	1000 E OSIE ST	WO Completed
Storm Drain lid is off at the SWC of Ida & Osie. Called A. Johnson at 12:13 p.m.			
2007-04554 10/22/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	100 N PINE ST	WO Completed
Storm drain clogged. Call 603 @ 1:12pm			
2007-04582 10/24/2007	Storm Water Utility Culvert Cleaning/Maintenance	3600 W 9TH ST N	WO Completed
Storm Sewer inlet clogged and hasn't been draining anything for the last two rains.			
2007-04587 10/25/2007	Storm Water Utility Man Hole / Lid Maintenance/Repair	1200 W 1ST ST	WO Completed
Storm drain manhole lid is broken. Called 602 at 11:30 a.m.			
2007-04624 10/29/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1200 E WATERMAN ST	WO Completed
There is a steady flow of water in the SWD on the NEC of Waterman & Pattie. Received via e-mail from Doug A. @ 1:27 p.m.			
2007-04640 10/30/2007	Storm Water Utility Man Hole / Lid Maintenance/Repair	1320 N BITTING AVE	WO Completed
Jim Pierpoint called to report to Mandy (Water Dept) that a storm drain lid was off. Called 303 at 1:38 p.m.			
2007-04641 10/30/2007	Storm Water Utility Man Hole / Lid Maintenance/Repair	2800 S GLENN ST	WO Completed
Storm drain lid off. Called 303 at 1:38 p.m.			
2007-04647 10/30/2007	Storm Water Storm Drain Maintenance/Repair/Clea	4300 E 1ST ST	WO Completed
Strom drains need cleaned.			
2007-04679 11/1/2007	Flood Control Erosion	700 E 61ST ST N	Assigned to WO
The SWC of the bridge on 61st St North at the main branch of the Chilsholm Creek is eroding and needs rock fill. Received e-mail from Terry Kelley on 10/31/07 @ 3:56 p.m.			
2007-04682 11/1/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1701 S IDA AVE	WO Completed
The SWD lid on the SWC of Ida and Osie is off and the cement collar is all broken up and some of the cement is missing leaving a hole. Spoke with 602 @ 2:58 p.m.			
2007-04690 11/2/2007	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1731 E WATERMAN ST	WO Completed
SWD lid is off at Kansas and Waterman. Received via e-mail from Doug A. on 11/01/07 @ 4:17 p.m.			

Request List Report

Storm & Flood Requests for Service 2007

2/14/2008
8:30 AM

Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
2007-04694	Storm Water Utility	4400 E 1ST ST N	WO Completed
11/2/2007	Construction/Utility Work		
1st & Crestway Water Dept doing work - hit a clay pipe. Called 603 at 10:37 a.m.			
2007-04697	Storm Water Utility	1956 S GLENN ST	WO Completed
11/2/2007	Storm Drain Maintenance/Repair/Clea		
Trash has been dumped on the SWD lid on the corner of Glenn and May. Called 602 and spoke with 603 @ 2:40 p.m.			
2007-04800	Storm Water	2100 W WALKER ST	WO Completed
11/13/2007	Storm Drain Maintenance/Repair/Clea		
Storm drain needs cleaned. Call 602 @ 2:57pm			
2007-04812	Storm Water Utility	1300 N SANTA FE ST	WO Completed
11/14/2007	Man Hole / Lid Maintenance/Repair		
Manhole cover off.			
2007-04821	Storm Water Utility	2222 N BRAMBLEWOOD ST	WO Completed
11/15/2007	Line Cleaning Maintenance		
24" storm line is breaking up in front of 2222 N Bramblewood. Called 603 @ 11:54 a.m.			
2007-04827	Storm Water Utility	200 N WEST ST	WO Completed
11/16/2007	Storm Drain Maintenance/Repair/Clea		
Catch basin at the NEC of 2nd St North and West St has been crushed. Called 602 @ 11:34 a.m.			
2007-04830	Storm Water Utility	1300 N SANTA FE ST	WO Completed
11/16/2007	Man Hole / Lid Maintenance/Repair		
22" MH lid is broken in half and about to fall into the hole at 13th St North and Santa Fe. Called 603 @ 1:27 p.m.			
2007-04864	Storm Water Utility	14202 W BLUEGRASS CT	WO Completed
11/21/2007	Erosion		
Storm drain caving in around and to the drain. Homeowner requested a call. Call 602 @ 10:21am			
2007-04886	Storm Water Utility	6700 E LINCOLN ST	WO Completed
11/26/2007	Storm Drain Maintenance/Repair/Clea		
Storm Drain at Lincoln & Barlow needs to be cleaned out. Caklled 603 at 9:20 a.m.			
2007-04887	Storm Water Utility	1900 W PAWNEE AVE	WO Completed
11/26/2007	Storm Drain Maintenance/Repair/Clea		
Storm Drains plugged at Pawnee & Hiram. Called 604 at 9:25 a.m.			
2007-04902	Flood Control	3500 W 21ST ST N	On Hold
11/27/2007	Item Retrieval		
55 gallon barrell stuck in one of the ports. Call 302 @ 9:33/he will pass on to 303.			
2007-04926	Storm Water	220 S PARKRIDGE ST	WO Completed
11/29/2007	Trash / Debris Obstruction		
Storm drain full of leaves. Call 602; 303 answered @ 1:27pm			
2007-04939	Storm Water Utility	4622 E BOSTON AVE	WO Completed
11/30/2007	Storm Drain Maintenance/Repair/Clea		
SWD in front of 4622 E Boston has a bad odor coming out of it. Called 603 @ 10:00 a.m.			
2007-04967	Flood Control	5000 S SPRUCE ST	Assigned to WO
12/5/2007	Trash / Debris Obstruction		
Ply boards and pallets south of the entrance for the City and back in the trees. Received via e-mail from Doug A. on 12/04/07 @ 4:31 p.m.			
2007-04969	Stream Maintenance	2100 I-35 RAMP	WO Completed
12/5/2007	Tree / Brush Obstruction		
Trees are growing in and around an RCB culvert and breaking it up. Received via e-mail from Doug A. on 12/04/07 @ 4:41 p.m.			
2007-04979	Storm Water	100 W 1ST AVE	WO Completed
12/5/2007	Storm Drain Maintenance/Repair/Clea		
leaves blocked the storm drain. Call 602 @ 9:59am			

Request List Report

Storm & Flood Requests for Service 2007

2/14/2008
8:30 AM

Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
2007-04986 12/5/2007 Storm drain needs check. CAll came from Nick Stegman. Call 603 @ 2:11pm	Storm Water Utility Man Hole / Lid Maintenance/Repair	1000 S EDGEMOOR DR	WO Completed
2007-05008 12/10/2007 Storm drain clogged, water backing up flooding street.	Storm Water Storm Drain Maintenance/Repair/Clea	1700 N SHERIDAN ST	WO Completed
2007-05009 12/11/2007 Storm drain blocked. Called 602 at 9:07 a.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	602 W 26TH ST S	WO Completed
2007-05010 12/11/2007 Storm drain blocked. Called 602.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	11400 E CRESTWOOD ST	WO Completed
2007-05015 12/11/2007 Storm drain clogged. Called 602.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1005 N MARKET ST	WO Completed
2007-05016 12/11/2007 Storm drain plugged. Called 602.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1800 E 18TH ST N	WO Completed
2007-05017 12/11/2007 Storm drain clogged. Called 602.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	2651 S CHEYENNE BLVD	WO Completed
2007-05018 12/11/2007 All four storm drains blocked. Called 602.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1303 N MARTINSON AVE	WO Completed
2007-05021 12/11/2007 Storm drain clogged. Called 602	Storm Water Utility Storm Drain Maintenance/Repair/Clea	6300 E 1ST ST	WO Completed
2007-05023 12/11/2007 Storm drain clogged. Called 602	Storm Water Utility Storm Drain Maintenance/Repair/Clea	400 E MORRIS ST	WO Completed
2007-05024 12/11/2007 Storm drain clogged. Called 602	Storm Water Utility Storm Drain Maintenance/Repair/Clea	400 E INDIANAPOLIS ST	WO Completed
2007-05031 12/11/2007 Storm Drain Clogged. Call 30 @ 4:40pm	Storm Water Storm Drain Maintenance/Repair/Clea	1100 N JACKSON ST	WO Completed
2007-05049 12/13/2007 Storm drain bottom hit by Diamond Engineering/Evertt/655-7286. Call @ 11:17am	Storm Water Storm Drain Maintenance/Repair/Clea	6000 S JULIA ST	WO Completed
2007-05053 12/13/2007 There is a sink hole in the SEC of Cleveland and Elm. Received via e-mail from Doug A. at 3:26 p.m.	Storm Water Utility Sink Hole	1415 E ELM ST	WO Completed
2007-05100 12/19/2007 3x5 lid is sitting at an angle - needs to be fixed. Call came in 12/18. Called 603 at 9:13 a.m. on 12/19	Storm Water Utility Man Hole / Lid Maintenance/Repair	2500 E 13TH ST N	WO Completed
2007-05108 12/19/2007 Storm drain clogged. Call 603 @ 10:40am	Storm Water Storm Drain Maintenance/Repair/Clea	200 N FOUNTAIN AVE	WO Completed

Request List Report

Storm & Flood Requests for Service 2007

2/14/2008
8:30 AM

Request # / Created / Comments for Work Order	Category / Problem	Address / Cross Street	Status
2007-05108 12/19/2007 Storm drain clogged. Call 603 @ 10:40am	Storm Water Storm Drain Maintenance/Repair/Clea	200 N FOUNTAIN AVE	WO Completed
2007-05109 12/19/2007 Storm drain clogged. Call 603 @ 10:40am	Storm Water Storm Drain Maintenance/Repair/Clea	300 N FOUNTAIN AVE	WO Completed
2007-05113 12/19/2007 Storm drain clogged. Business owner wants to meet with you to dicuss the problem with drainage. Call 602 @ 10:37am	Storm Water Storm Drain Maintenance/Repair/Clea	4201 N SENECA ST	WO Completed
2007-05115 12/19/2007 Storm drain cover off and in street. Call 603 @ 11:11am	Storm Water Storm Drain Maintenance/Repair/Clea	8400 E DOUGLAS AVE	WO Completed
2007-05128 12/20/2007 Storm drain cover off and in street. Call 603 @ 1:14pm	Storm Water Storm Drain Maintenance/Repair/Clea	1800 S ELLIS ST	WO Completed
2007-05135 12/21/2007 SWD lid on the SEC of Boston and Terrace is tipped into the drain. Called 602 @ 10:55 a.m.	Storm Water Utility Storm Drain Maintenance/Repair/Clea	1305 S TERRACE DR	WO Completed
2007-05136 12/21/2007 SWD at 128 S Vine Ave has a sink hole beside it. Called 602 @ 11:35 a.m.	Storm Water Utility Sink Hole	128 S VINE AVE	WO Completed
2007-05148 12/26/2007 Storm drain cover off. Call 602 @ 12:37am	Storm Water Storm Drain Maintenance/Repair/Clea	1300 N POPLAR ST	Completed

7

2004 INTOWN MOWING

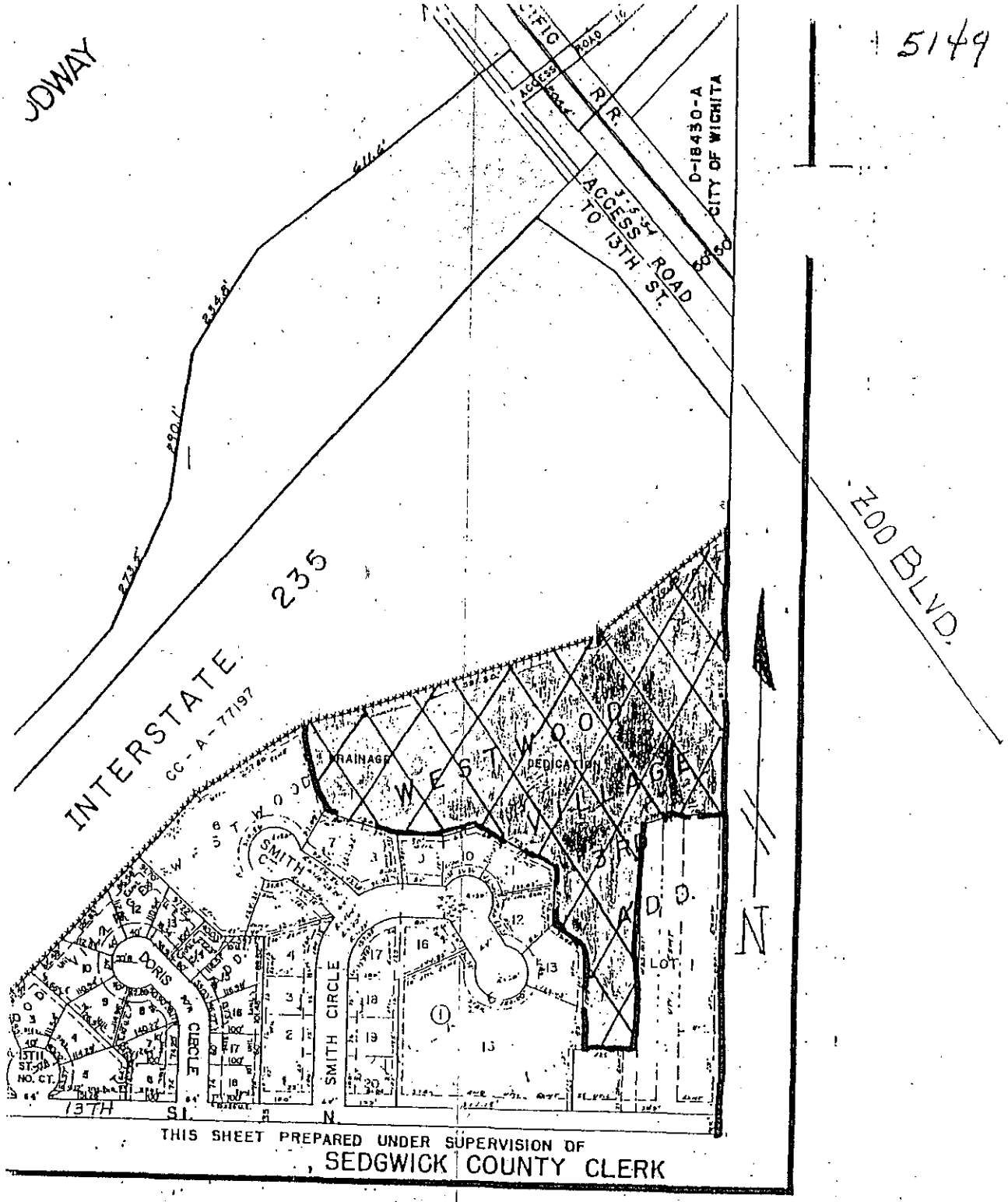
CREEKS, DRAINS HOLDING PONDS

LOCATIONS	ACRES	PAGE #
CREEKS & DRAINS		
School Street Drain	11.80	89
Sheridan Ditch	16.35	90 - 92
Smithmoor Ditch	8.15	93 - 94
South Seneca Drainage	4.79	95 - 97
Spring Creek (127th East & Harry)	8.00	98
Stonebrough Drain	3.51	99
Todd Drain	5.85	100
Top Hat Drain	3.25	101
Trigg Drain	1.50	102
West Drain	19.55	103 - 106
Westlink Ditch (including 9th St.)	36.41	107 - 112
Wichita Drainage Canal	34.31	113 - 121
Wilbur Drain	4.75	122
Woodrow Ditch & Pond	4.40	123 - 124
25th North & Minnesota	0.98	125
27th North & Volutsia	1.50	126
47th Street South N-S Ditch	4.70	127
3rd Street Drain	5.07	128 - 134
TOTAL CREEK & DRAIN ACRES	665.59	

HOLDING PONDS		PAGE #
13th Street North	5.40	1
27tth Street South	1.50	2
Elizabeth	1.80	3
Sabin	8.90	4
Harry & Sheridan	4.25	5
South Lake 3rd	19.70	6
TOTAL HOLDING POND ACRES	41.55	

TOTAL ACRES CREEKS & DRAINS	665.59
TOTAL ACRES HOLDING PONDS	41.55
TOTAL ACRES	707.14

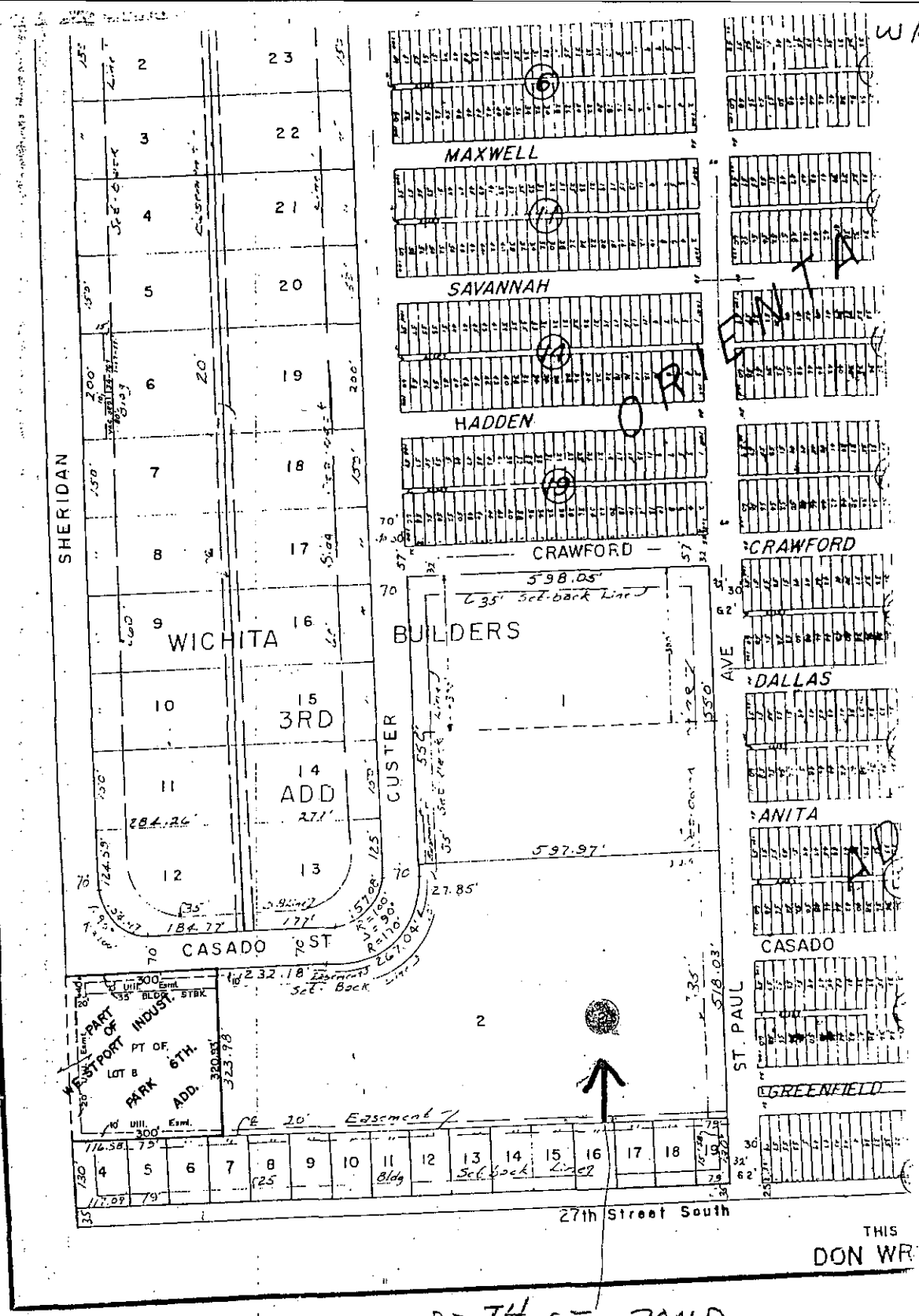
5149



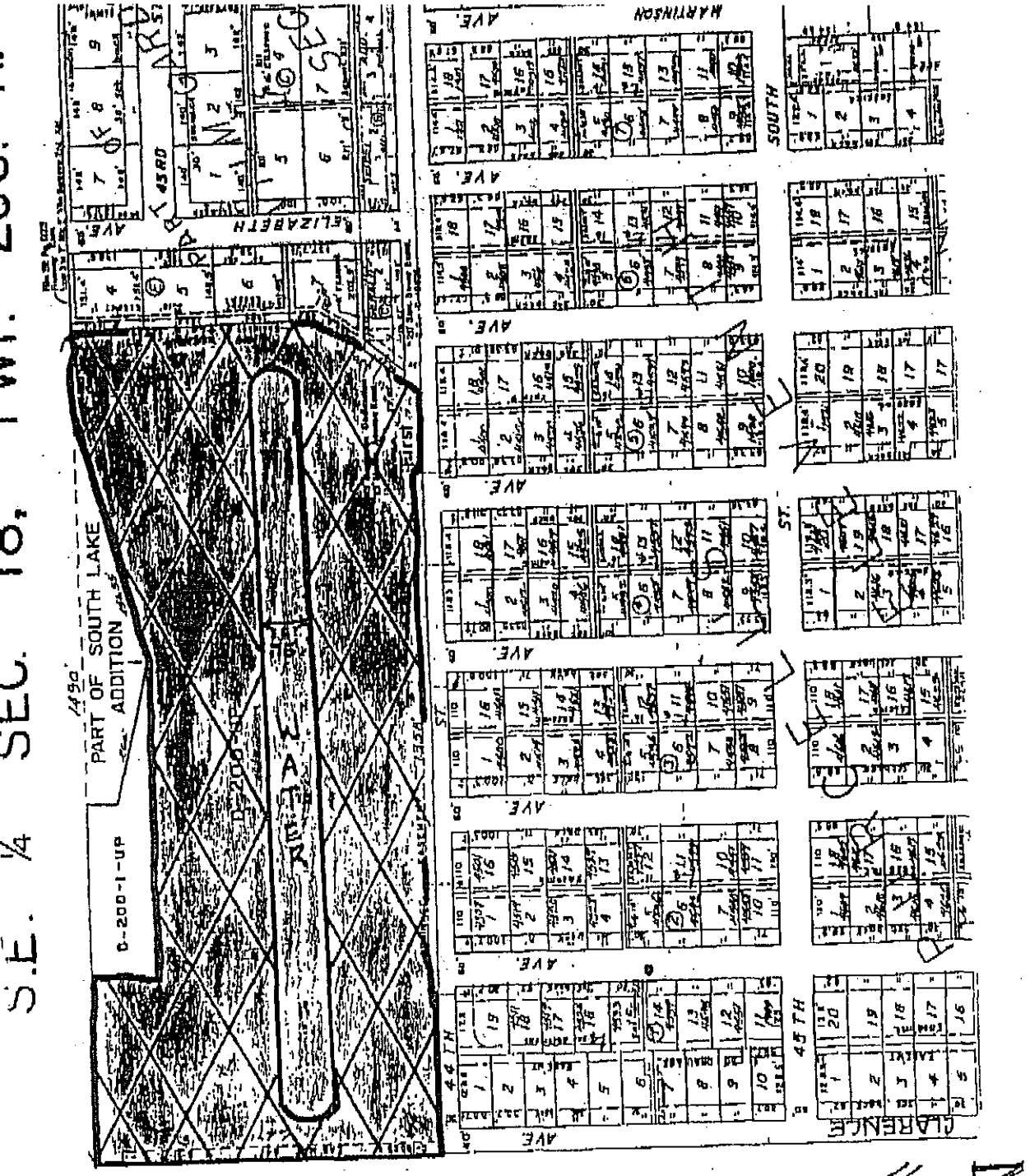
13TH ST. HOLDING POND

DE 11

Holdi


WA 1
MAXWELL
SAVANNAH
HADDEN
CRAWFORD
CRAWFORD
DALLAS
ANITA
CASADO
GREENFIELD
SHERIDAN
WICHITA
3RD
ADD
CUSTER
BUILDERS
CASADO ST
ST. PAUL
AVE
WESTPORT INDUST. PARK 6TH ADD.
PART OF PT OF LOT 8
27th Street South
Easement
Set Back Line
Bldg
598.05'
597.97'
284.26'
184.77'
232.18'
318.03'
THIS
DON WR
27TH ST POND

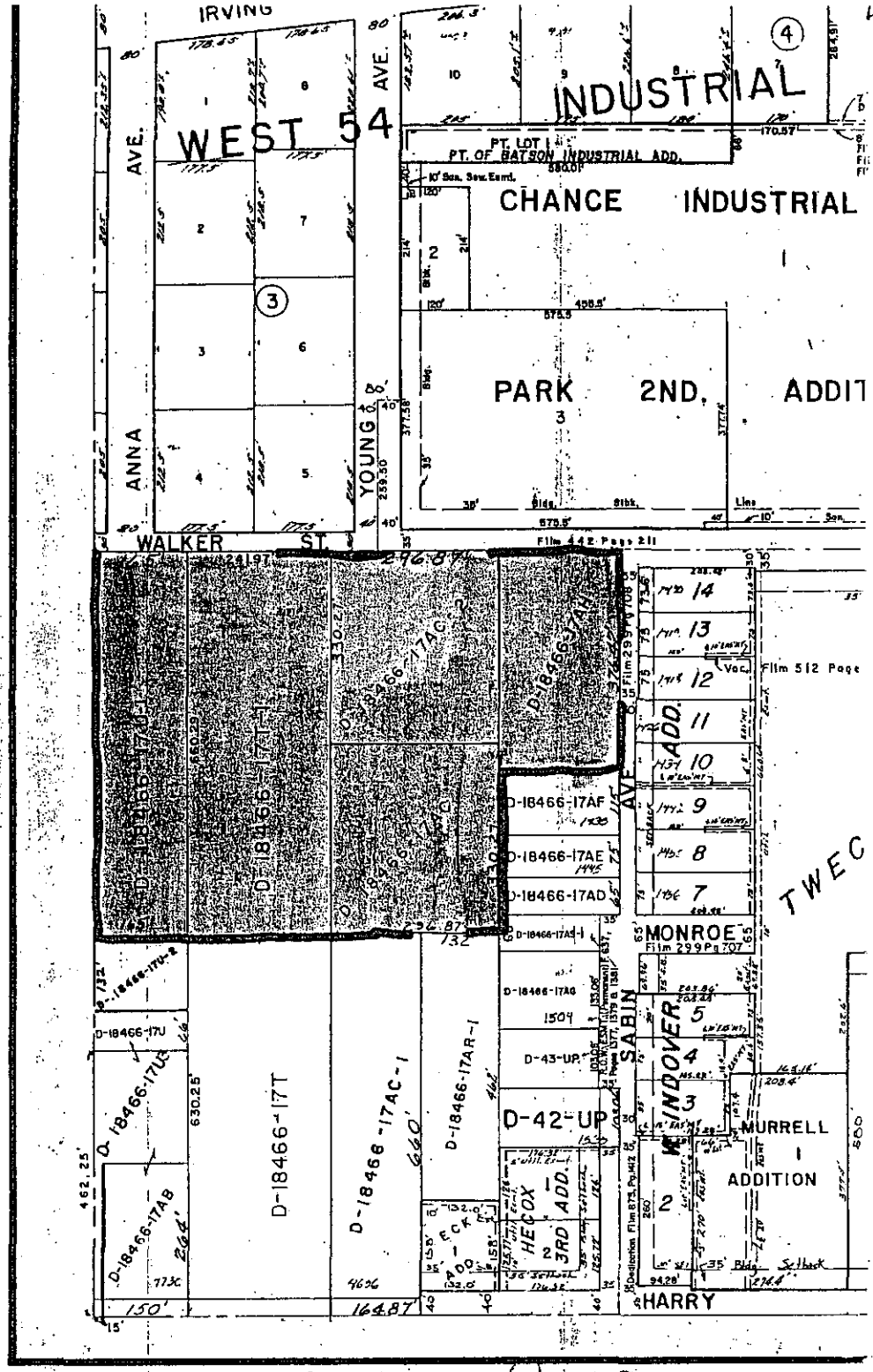
2



ELIZABETH HOLDING POND

RI 18 SE 5342

FEB.-12 01(MON) 14:54 CONSTRUCTION FIELD OFFICE TEL:516 268 4002 P.001

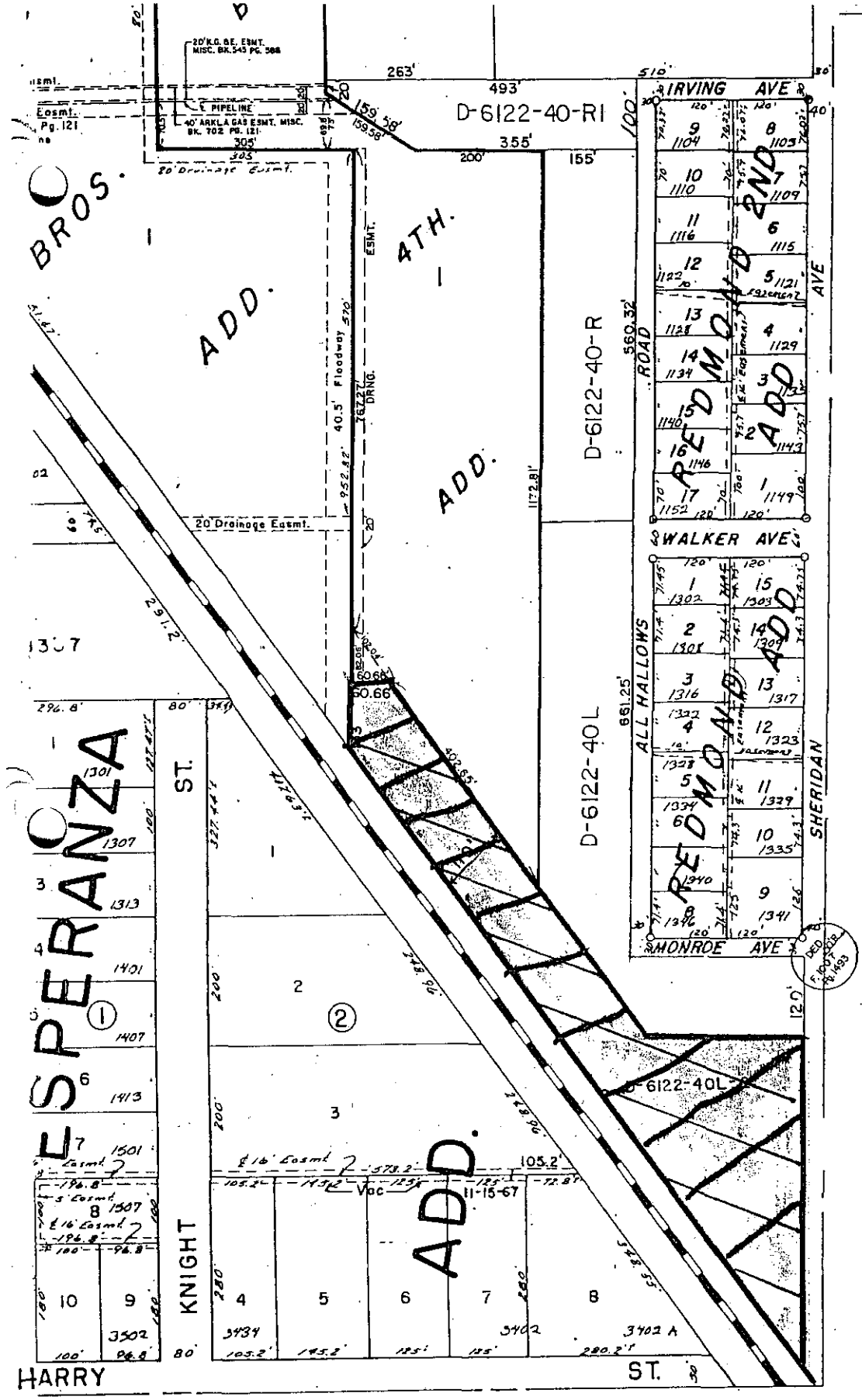

IRVING
WEST 54
ANNA AVE.
YOUNG AVE.
INDUSTRIAL
PT. LOT 1
PT. OF BATSON INDUSTRIAL ADD.
CHANCE INDUSTRIAL
PARK 2ND. ADDIT
WALKER ST.
D-18466-17AF
D-18466-17AE
D-18466-17AD
MONROE
Film 299 Pg 707
SABIN AVE.
WINDOVER
D-18466-17AG
D-43-UP
D-42-UP
D-18466-17T
D-18466-17AC-1
D-18466-17AR-1
D-18466-17U
D-18466-17AB
HECOX 3RD ADD.
MURRELL ADDITION
HARRY
TWEC

SABIN POND

4

DE 25 SW

42.



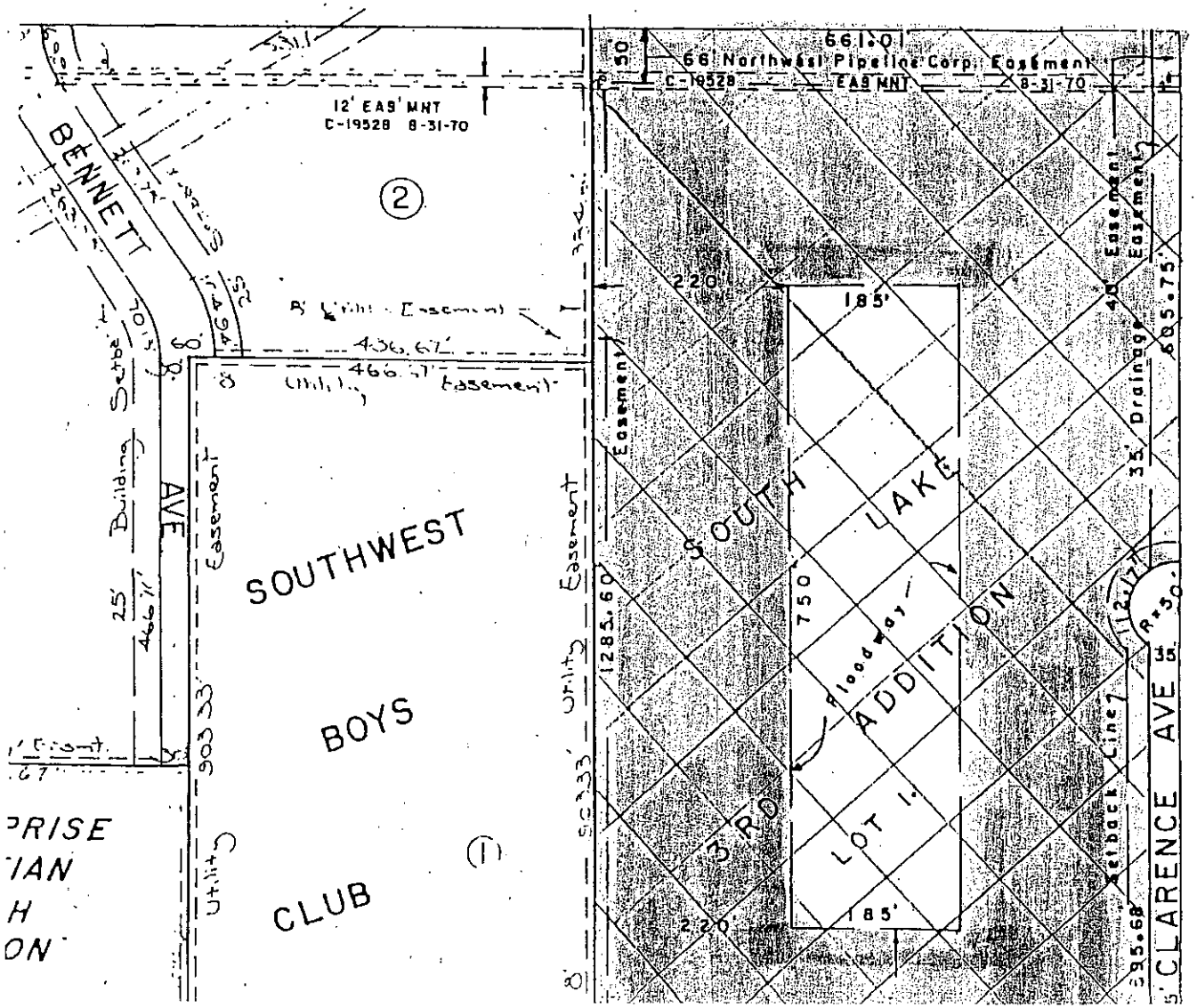
THIS SHEET PREPARED UNDER SUPERVISION OF
KETT-SPOON, SEDGWICK COUNTY CLERK

5342

SOUTH LAKE 3RD DETENTION POND

19.7 ACRES

S.W. ¼ SEC. 18, TWP. 28S. R. 1 E



SALT DOME INSPECTION REPORT

Month: January Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup			✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Sweep Spilled Material			✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Material Condition (Clumps will be removed)			✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Structural Appearance: (Visual Inspection)			✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Interior Area			✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Exterior Area			✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Door Operation			✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Roof leakage			✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Electrical wiring & conduits			✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Lighting system (bulbs, switches, etc.)			✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Roof fan condition			✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Other:	+	X										✱	✱	✱	✱	✱				✱	✱	✱	S	S	S	S			C		✱
															+																

+ = Holiday

X = Ford (president)

✱ = Snow MODE

S = Salt being Reloaded in Dome

C = cleaning hopper & Conveyer

w8

SALT DOME INSPECTION REPORT

Month: JANUARY Year: 07

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
		TUE		THUR					TUE		THUR					TUE		THUR					TUE		THUR						
Litter Pickup		✓		✓					✓		✓					✓		✓					✓		✓					✓	✓
Sweep Spilled Material		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Material Condition (Clumps will be removed)		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Structural Appearance: (Visual Inspection)		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Interior Area		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Exterior Area		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Door Operation		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Roof leakage		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Electrical wiring & conduits		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Lighting system (bulbs, switches, etc.)		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Roof fan condition		✓		✓					✓		✓					✓		✓					✓		✓					✓	

Other:

REFILLED + READY FOR NEXT STORM

ALSO REPAIRED - DOOR + LIGHTS

ROOF STILL HAS HAIL DAMAGE

a MF

SALT DOME INSPECTION REPORT

Month: JAN Year: 07

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup			✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Sweep Spilled Material			✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Material Condition (Clumps will be removed)			✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Structural Appearance: (Visual Inspection)			✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Interior Area			✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Exterior Area			✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Door Operation			✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Roof leakage			✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Electrical wiring & conduits			✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Lighting system (bulbs, switches, etc.)			✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Roof fan condition			✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
Other:																															

SALT DOME INSPECTION REPORT

GMY-

Month: Feb Year: 07

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Sweep Spilled Material	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Material Condition (Clumps will be removed)	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Structural Appearance: (Visual Inspection)	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Interior Area	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Exterior Area	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Door Operation	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Roof leakage	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Electrical wiring & conduits	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Lighting system (bulbs, switches, etc.)	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Roof fan condition	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Other:																															

SALT DOME INSPECTION REPORT

Month: FEBRUARY Year: 07

	THUR 1	2	3	4	5	TUE 6	7	THUR 8	9	10	11	12	TUE 13	14	THUR 15	16	17	18	19	TUE 20	21	THUR 22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓					✓		✓					✓		✓					✓		✓					✓				
Sweep Spilled Material	✓					✓		✓					✓		✓					✓		✓					✓				
Material Condition (Clumps will be removed)	✓					✓		✓					✓		✓					✓		✓					✓				
Structural Appearance: (Visual Inspection)	✓					✓		✓					✓		✓					✓		✓					✓				
Interior Area	✓					✓		✓					✓		✓					✓		✓					✓				
Exterior Area	✓					✓		✓					✓		✓					✓		✓					✓				
Door Operation	✓					✓		✓					✓		✓					✓		✓					✓				
Roof leakage	✓					✓		✓					✓		✓					✓		✓					✓				
Electrical wiring & conduits	✓					✓		✓					✓		✓					✓		✓					✓				
Lighting system (bulbs, switches, etc.)	✓					✓		✓					✓		✓					✓		✓					✓				
Roof fan condition	✓					✓		✓					✓		✓					✓		✓					✓				

Other: SALT DOME FULL + STILL HAS HAIL DAMAGE TO ROOF

SALT DOME INSPECTION REPORT

Month: February Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Sweep Spilled Material	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				X	✓	✓	✓			✓	✓	✓			
Material Condition (Clumps will be removed)	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Structural Appearance: (Visual Inspection)	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Interior Area	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Exterior Area	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Door Operation	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Roof leakage	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Electrical wiring & conduits	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Lighting system (bulbs, switches, etc.)	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓			
Roof fan condition	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓					✓	✓	✓	✓			✓	✓	✓			
Other:	✳	✳			S	S	✳	2				✳	✳	✳	✳	✳			H	X											

Presidents Day

Holiday

✳ snow MODE

S salt being Reloaded in Dome

2 salt being loaded in overflow bay's

H Holiday

X street cleaning swept lot

ne

SALT DOME INSPECTION REPORT

Month: March Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Sweep Spilled Material	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Material Condition (Clumps will be removed)	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Structural Appearance: (Visual Inspection)	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Interior Area	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Exterior Area	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Door Operation	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Roof leakage	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Electrical wiring & conduits	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Lighting system (bulbs, switches, etc.)	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Roof fan condition	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Other:																															
	+	David Fields Vac.																													

CMF

SALT DOME INSPECTION REPORT

Month: March Year: 07

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
Sweep Spilled Material	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
Material Condition (Clumps will be removed)	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
Structural Appearance: (Visual Inspection)	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
Interior Area	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
Exterior Area	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
Door Operation	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
Roof leakage	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
Electrical wiring & conduits	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
Lighting system (bulbs, switches, etc.)	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
Roof fan condition	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	
Other:																															

SALT DOME INSPECTION REPORT

Month: MARCH Year: 07

	THUR 1	2	3	4	5	TUE 6	7	THUR 8	9	10	11	12	TUE 13	14	THUR 15	16	17	18	19	TUE 20	21	THUR 22	23	24	25	26	TUE 27	28	THUR 29	30	31
Litter Pickup	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Sweep Spilled Material	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Material Condition (Clumps will be removed)	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Structural Appearance: (Visual Inspection)	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Interior Area	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Exterior Area	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Door Operation	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Roof leakage	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Electrical wiring & conduits	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Lighting system (bulbs, switches, etc.)	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Roof fan condition	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Other:	ROOF STILL HAS HAIL DAMAGE																														

WEST SUBSTATION

SALT DOME INSPECTION REPORT

Month: APRIL Year: 2007

	Thur 1	2	3	4	5	Tue 6	7	Thur 8	9	10	11	12	Tue 13	14	Thur 15	16	17	18	19	Tue 20	21	Thur 22	23	24	25	26	Tue 27	28	Thur 29	30	31
Litter Pickup	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Sweep Spilled Material	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Material Condition (Clumps will be removed)	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Structural Appearance: (Visual Inspection)	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Interior Area	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Exterior Area	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Door Operation	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Roof leakage	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Electrical wiring & conduits	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Lighting system (bulbs, switches, etc.)	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Roof fan condition	✓					✓		✓					✓		✓					✓		✓					✓		✓		

Other: ROOF HAS SOME HAIL DAMAGE ON WEST & SOUTH SIDES

SALT DOME INSPECTION REPORT

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Month April Year 07

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Sweep Spilled Material		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Material Condition (Clumps will be removed)		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Structural Appearance: (Visual Inspection)		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Interior Area		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Exterior Area		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Door Operation		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Roof Leakage		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Electrical Wiring & Conduits		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Lighting System (bulbs, switches, etc.)		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Roof fan condition		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
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SALT DOME INSPECTION REPORT NE SUB

Month: April Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Sweep Spilled Material		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Material Condition (Clumps will be removed)		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Structural Appearance: (Visual Inspection)		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Interior Area		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Exterior Area		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Door Operation		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Roof leakage		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Electrical wiring & conduits		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Lighting system (bulbs, switches, etc.)		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Roof fan condition		✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	
Other:													❄																		
	❄ Snow MODE																														

SALT DOME INSPECTION REPORT

Month May Year 2007 CMF

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Sweep Spilled Material	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Material Condition (Clumps will be removed)	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Structural Appearance: (Visual Inspection)	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Interior Area	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Exterior Area	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Door Operation	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Roof Leakage	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Electrical Wiring & Conduits	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Lighting System (bulbs, switches, etc.)	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Roof fan condition	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
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SALT DOME INSPECTION REPORT NESUB

Month: May Year: 2007

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Litter Pickup	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Sweep Spilled Material	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Material Condition (Clumps will be removed)	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Structural Appearance: (Visual Inspection)	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Interior Area	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Exterior Area	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Door Operation	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Roof leakage	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Electrical wiring & conduits	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Lighting system (bulbs, switches, etc.)	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
Roof fan condition	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓
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SALT DOME INSPECTION REPORT

Month: May Year: 2007

	Tue 1	2	Thur 3	4	5	6	7	Tue 8	9	Thur 10	11	12	13	14	Tue 15	16	Thur 17	18	19	20	21	Tue 22	23	Thur 24	25	26	27	28	Tue 29	30	31
Litter Pickup	✓		✓					✓		✓					✓		✓					✓		✓					✗		
Sweep Spilled Material	✓		✓					✓		✓					✓		✓					✓		✓					✗		
Material Condition (Clumps will be removed)	✓		✓					✓		✓					✓		✓					✓		✓					✗		
Structural Appearance: (Visual Inspection)	✓		✓					✓		✓					✓		✓					✓		✓					✗		
Interior Area	✓		✓					✓		✓					✓		✓					✓		✓					✗		
Exterior Area	✓		✓					✓		✓					✓		✓					✓		✓					✗		
Door Operation	✓		✓					✓		✓					✓		✓					✓		✓					✗		
Roof leakage	✓		✓					✓		✓					✓		✓					✓		✓					✗		
Electrical wiring & conduits	✓		✓					✓		✓					✓		✓					✓		✓					✗		
Lighting system (bulbs, switches, etc.)	✓		✓					✓		✓					✓		✓					✓		✓					✗		
Roof fan condition	✓		✓					✓		✓					✓		✓					✓		✓					✗		
Other:	✓																														
			ROOF HAS HAIL DAMAGE - WEST & SOUTH SIDES																												

West Sub

SALT DOME INSPECTION REPORT

Month: JUNE Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
					Tu		Th					Tu		Th					Tu		Th					Tu		Th			
Litter Pickup					✓		✓					✓		✓					✓		✓					✓		✓			
Sweep Spilled Material					✓		✓					✓		✓					✓		✓					✓		✓			
Material Condition (Clumps will be removed)					✓		✓					✓		✓					✓		✓					✓		✓			
Structural Appearance: (Visual Inspection)					✓		✓					✓		✓					✓		✓					✓					
Interior Area					✓		✓					✓		✓					✓		✓					✓		✓			
Exterior Area					✓		✓					✓		✓					✓		✓					✓		✓			
Door Operation					✓		✓					✓		✓					✓		✓					✓		✓			
Roof leakage					✓		✓					✓		✓					✓		✓					✓	✓	✓			
Electrical wiring & conduits					✓		✓					✓		✓					✓		✓					✓		✓			
Lighting system (bulbs, switches, etc.)					✓		✓					✓		✓					✓		✓					✓		✓			
Roof fan condition					✓		✓					✓		✓					✓		✓					✓		✓			
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SALT DOME INSPECTION REPORT

Month June Year 07

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓		
Sweep Spilled Material	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓		
Material Condition (Clumps will be removed)	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓		
Structural Appearance: (Visual Inspection)	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓		
Interior Area	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓		
Exterior Area	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓		
Door Operation	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓		
Roof Leakage	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓		
Electrical Wiring & Conduits	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓		
Lighting System (bulbs, switches, etc.)	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓		
Roof fan condition	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓		
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Other: New Track & Rollers																									✓	✓					
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SALT DOME INSPECTION REPORT NE SUB

Month: June Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓			
Sweep Spilled Material	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓			
Material Condition (Clumps will be removed)	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓			
Structural Appearance: (Visual Inspection)	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓			
Interior Area	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓			
Exterior Area	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓			
Door Operation	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓			
Roof leakage	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓			
Electrical wiring & conduits	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓			
Lighting system (bulbs, switches, etc.)	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓			
Roof fan condition	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓			
Other:																													V		
V	Vacation - David Fields																														

SALT DOME INSPECTION REPORT N.E. Sub

Month: July Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup		✓	✓	H	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Sweep Spilled Material		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Material Condition (Clumps will be removed)		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Structural Appearance: (Visual Inspection)		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Interior Area		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Exterior Area		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Door Operation		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Roof leakage		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Electrical wiring & conduits		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Lighting system (bulbs, switches, etc.)		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Roof fan condition		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
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SALT DOME INSPECTION REPORT

Month July Year 07

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Litter Pickup		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Sweep Spilled Material		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Material Condition (Clumps will be removed)		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Structural Appearance: (Visual Inspection)		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Interior Area		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Exterior Area		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Door Operation		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Roof Leakage		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Electrical Wiring & Conduits		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Lighting System (bulbs, switches, etc.)		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
Roof fan condition		✓	✓		✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓
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July

SALT DOME INSPECTION REPORT

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
			Tu		Th					Tu		Th					Tu		Th				
Litter Pickup			✓		✓					✓		✓					✓		✓				
Sweep Spilled Material			✓		✓					✓		✓					✓		✓				
Material Condition (Clumps will be removed)			✓		✓					✓		✓					✓		✓				
Structural Appearance: (Visual Inspection)			✓		✓					✓		✓					✓		✓				
Interior Area			✓		✓					✓		✓					✓		✓				
Exterior Area			✓		✓					✓		✓					✓		✓				
Door Operation			✓		✓					✓		✓					✓		✓				
Roof leakage			✓		✓					✓		✓					✓		✓				
Electrical wiring & conduits			✓		✓					✓		✓					✓		✓				
Lighting system (bulbs, switches, etc.)			✓		✓					✓		✓					✓		✓				
Roof fan condition			✓		✓					✓		✓					✓		✓				
Other:																							

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SALT DOME INSPECTION REPORT

Month: August Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
		Th					Tu		Th					Tu		Th					Tu		Th					Tu		Th	
Litter Pickup		✓					✓		✓					✓		✓					✓		✓					✓		✓	
Sweep Spilled Material		✓					✓		✓					✓		✓					✓		✓					✓		✓	
Material Condition (Clumps will be removed)		✓					✓		✓					✓		✓					✓		✓					✓		✓	
Structural Appearance: (Visual Inspection)		✓					✓		✓					✓		✓					✓		✓					✓		✓	
Interior Area		✓					✓		✓					✓		✓					✓		✓					✓		✓	
Exterior Area		✓					✓		✓					✓		✓					✓		✓					✓		✓	
Door Operation		✓					✓		✓					✓		✓					✓		✓					✓		✓	
Roof leakage		✓					✓		✓					✓		✓					✓		✓					✓		✓	
Electrical wiring & conduits		✓					✓		✓					✓		✓					✓		✓					✓		✓	
Lighting system (bulbs, switches, etc.)		✓					✓		✓					✓		✓					✓		✓					✓		✓	
Roof fan condition		✓					✓		✓					✓		✓					✓		✓					✓		✓	
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SALT DOME INSPECTION REPORT

Month August Year 07

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Sweep Spilled Material	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Material Condition (Clumps will be removed)	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Structural Appearance: (Visual Inspection)	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Interior Area	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Exterior Area	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Door Operation	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Roof Leakage	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Electrical Wiring & Conduits	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Lighting System (bulbs, switches, etc.)	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Roof fan condition	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
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SALT DOME INSPECTION REPORT

N.E. Sub

Month: August Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Sweep Spilled Material	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Material Condition (Clumps will be removed)	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Structural Appearance: (Visual Inspection)	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Interior Area	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Exterior Area	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Door Operation	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Roof leakage	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Electrical wiring & conduits	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Lighting system (bulbs, switches, etc.)	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Roof fan condition	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓
Other:																															

SALT DOME INSPECTION REPORT

Month: Sept Year: 2007

	1	2	3	4 (Tu)	5	6 (Th)	7	8	9	10	11 (Tu)	12	13 (Th)	14	15	16	17	18 (Tu)	19	20 (Th)	21	22	23	24	25 (Tu)	26	27 (Th)	28	29	30	31
Litter Pickup				✓		✓					✓		✓					✓		✓					✓		✓				
Sweep Spilled Material				✓		✓					✓		✓					✓		✓					✓		✓				
Material Condition (Clumps will be removed)				✓		✓					✓		✓					✓		✓					✓		✓				
Structural Appearance: (Visual Inspection)				✓		✓					✓		✓					✓		✓					✓		✓				
Interior Area				✓		✓					✓		✓					✓		✓					✓		✓				
Exterior Area				✓		✓					✓		✓					✓		✓					✓		✓				
Door Operation				✓		✓					✓		✓					✓		✓					✓		✓				
Roof leakage				✓		✓					✓		✓					✓		✓					✓		✓				
Electrical wiring & conduits				✓		✓					✓		✓					✓		✓					✓		✓				
Lighting system (bulbs, switches, etc.)				✓		✓					✓		✓					✓		✓					✓		✓				
Roof fan condition				✓		✓					✓		✓					✓		✓					✓		✓				
Other:																															

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SALT DOME INSPECTION REPORT

Month September Year 07

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Sweep Spilled Material				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Material Condition (Clumps will be removed)				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Structural Appearance: (Visual Inspection)				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Interior Area				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Exterior Area				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Door Operation				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Roof Leakage				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Electrical Wiring & Conduits				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Lighting System (bulbs, switches, etc.)				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Roof fan condition				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Other:																															
Other: New Pump INSTALLED													✓	✓																	
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SALT DOME INSPECTION REPORT NE SUB

Month: September Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Sweep Spilled Material				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Material Condition (Clumps will be removed)				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Structural Appearance: (Visual Inspection)				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Interior Area				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Exterior Area				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Door Operation				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Roof leakage				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Electrical wiring & conduits				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Lighting system (bulbs, switches, etc.)				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
Roof fan condition				✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			
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SALT DOME INSPECTION REPORT

Month October Year 07

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Sweep Spilled Material	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Material Condition (Clumps will be removed)	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Structural Appearance: (Visual Inspection)	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Interior Area	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Exterior Area	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Door Operation	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Roof Leakage	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Electrical Wiring & Conduits	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Lighting System (bulbs, switches, etc.)	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
Roof fan condition	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓	✓	✓			✓	✓	✓
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SALT DOME INSPECTION REPORT

Month: Oct Year: 2007

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		Tu		Th					Tu		Th					Tu		Th					Tu								
Litter Pickup		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Sweep Spilled Material		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Material Condition (Clumps will be removed)		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Structural Appearance: (Visual Inspection)		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Interior Area		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Exterior Area		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Door Operation		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Roof leakage		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Electrical wiring & conduits		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Lighting system (bulbs, switches, etc.)		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Roof fan condition		✓		✓					✓		✓					✓		✓					✓		✓					✓	
Other:																															

SALT DOME INSPECTION REPORT NE SUB

Month: OCTOBER Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	/	/	/	/											/	/	/	/	/			/	/	/	/	/			/	/	/
Sweep Spilled Material	/	/	/	/											/	/	/	/	/			/	/	/	/	/			/	/	/
Material Condition (Clumps will be removed)	/	/	/	/											/	/	/	/	/			/	/	/	/	/			/	/	/
Structural Appearance: (Visual Inspection)	/	/	/	/											/	/	/	/	/			/	/	/	/	/			/	/	/
Interior Area	/	/	/	/											/	/	/	/	/			/	/	/	/	/			/	/	/
Exterior Area	/	/	/	/											/	/	/	/	/			/	/	/	/	/			/	/	/
Door Operation	/	/	/	/											/	/	/	/	/			/	/	/	/	/			/	/	/
Roof leakage	/	/	/	/											/	/	/	/	/			/	/	/	/	/			/	/	/
Electrical wiring & conduits	/	/	/	/											/	/	/	/	/			/	/	/	/	/			/	/	/
Lighting system (bulbs, switches, etc.)	/	/	/	/											/	/	/	/	/			/	/	/	/	/			/	/	/
Roof fan condition	/	/	/	/											/	/	/	/	/			/	/	/	/	/			/	/	/
Other:					DV			DV	DV	DS	DS	DS																			

DV David Vacation

DS David Sick

SALT DOME INSPECTION REPORT

Month: Nov Year: 07

	Th 1	2	3	4	5	Tu 6	7	Th 8	9	10	11	12	Tu 13	14	Th 15	16	17	18	19	Tu 20	21	Th 22	23	24	25	26	Tu 27	28	Th 29	30	31
Litter Pickup	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Sweep Spilled Material	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Material Condition (Clumps will be removed)	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Structural Appearance: (Visual Inspection)	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Interior Area	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Exterior Area	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Door Operation	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Roof leakage	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Electrical wiring & conduits	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Lighting system (bulbs, switches, etc.)	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Roof fan condition	✓					✓		✓					✓		✓					✓		✓					✓		✓		
Other:																															

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SALT DOME INSPECTION REPORT

Month November Year 07

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Sweep Spilled Material	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Material Condition (Clumps will be removed)	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Structural Appearance: (Visual Inspection)	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Interior Area	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Exterior Area	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Door Operation	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Roof Leakage	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Electrical Wiring & Conduits	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Lighting System (bulbs, switches, etc.)	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Roof fan condition	✓	✓			✓	✓	✓	✓	✓				✓	✓	✓	✓			✓	✓	✓					✓	✓	✓	✓	✓	
Other:																															
Other: MAKE BRINE						✓													✓		✓							✓	✓	✓	
Other:																															
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SALT DOME INSPECTION REPORT

N.E. SUB.

Month: NOVEMBER Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Sweep Spilled Material	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Material Condition (Clumps will be removed)	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Structural Appearance: (Visual Inspection)	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Interior Area	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Exterior Area	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Door Operation	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Roof leakage	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Electrical wiring & conduits	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Lighting system (bulbs, switches, etc.)	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Roof fan condition	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
Other:																															

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SALT DOME INSPECTION REPORT

Month December Year 07

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓			✓
Sweep Spilled Material			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓			✓
Material Condition (Clumps will be removed)			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓			✓
Structural Appearance: (Visual Inspection)			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓			✓
Interior Area			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓			✓
Exterior Area			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓			✓
Door Operation			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓			✓
Roof Leakage			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓			✓
Electrical Wiring & Conduits			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓			✓
Lighting System (bulbs, switches, etc.)			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓			✓
Roof fan condition			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓		✓	✓	✓			✓
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WS

SALT DOME INSPECTION REPORT

Month: Dec Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
				T	Th						T	Th						T	Th								Th				
Litter Pickup				✓		✓					✓		✓					✓		✓							✓				
Sweep Spilled Material				✓		✓					✓		✓					✓		✓							✓				
Material Condition (Clumps will be removed)				✓		✓					✓		✓					✓		✓							✓				
Structural Appearance: (Visual Inspection)				✓		✓					✓		✓					✓		✓							✓				
Interior Area				✓		✓					✓		✓					✓		✓							✓				
Exterior Area				✓		✓					✓		✓					✓		✓							✓				
Door Operation				✓		✓					✓		✓					✓		✓							✓				
Roof leakage				✓		✓					✓		✓					✓		✓							✓				
Electrical wiring & conduits				✓		✓					✓		✓					✓		✓							✓				
Lighting system (bulbs, switches, etc.)				✓		✓					✓		✓					✓		✓							✓				
Roof fan condition				✓		✓					✓		✓					✓		✓							✓				
Other:																															

SALT DOME INSPECTION REPORT N.E. Sub

Month: December Year: 2007

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Litter Pickup			✓	✓	✓	✓	✓			X	X	X	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
Sweep Spilled Material			✓	✓	✓	✓	✓			X	X	X	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
Material Condition (Clumps will be removed)			✓	✓	✓	✓	✓			X	X	X	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
Structural Appearance: (Visual Inspection)			✓	✓	✓	✓	✓			X	X	X	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
Interior Area			✓	✓	✓	✓	✓			X	X	X	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
Exterior Area			✓	✓	✓	✓	✓			X	X	X	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
Door Operation			✓	✓	✓	✓	✓			X	X	X	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
Roof leakage			✓	✓	✓	✓	✓			X	X	X	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
Electrical wiring & conduits			✓	✓	✓	✓	✓			X	X	X	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
Lighting system (bulbs, switches, etc.)			✓	✓	✓	✓	✓			X	X	X	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
Roof fan condition			✓	✓	✓	✓	✓			X	X	X	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
Other:								X	X	X	X	+	+	+	X	X	+	+	+	+	+										

X snow removal

\+ conveyor in Dome

APPENDIX E

Herbicide/Pesticide Applications, Applicators Certificates, And Inspections

City of Wichita

2007

Summary of Inspections
of Commercial Applicators
Pesticides/Herbicides
2007

Commercial Applicators

Countryside Lawn & Tree	1630 E. 37th St.	Good BMP's
Tree Top Nursery	5910 E. 37th North	Well run operation.
Betts Pest Control	3015 W. Central	Proper BMP's are in place.
Chem-Trol Inc.	925 E. 17th	Adequate BMP measures.
DeBruce Fertilizer	2728 N. Ohio	Good containment.
Suburban Landscape	1100 E. McArthur	Have reduced exposure to run off.
Air Capitol Exterminating	4509 W. Whitehall	Inside storage.
The Sod Shop	3601 N. Hillside	No issues.
Gard-N-Wise	1515 E. 29th St. North	Storm inlet is not covered near loading dock.
Schendel Pest Control	1024 S. Santa Fe	No issues.
Midwest Pest Control	7585 W. 21st.	Inside storage.
John Deere Landscapes	5721 W. 23rd North	Good BMP's.
Tru Green - Chemlawn	1652 S. West	Improvements are being made.
New Frontier	2533 E. 36th St. Circle	Good clean, well run operation.

N.P.D.E.S Report **December 18, 2007**

This is the Park Maint. North and South districts combined
Totals for acres sprayed and herbicides used in 2007

Bare ground treatments: Used for long term control of weeds on concrete medials, around trees, sand volleyball cts,cracks in parking lots and sidewalks etc...

Acreage: 361.4

Chemicals used:		
	Surflan	5 Gal.
	Round-Up	216.6 Gal.
	Pendulum	144 Gal.
	Sahara	668 Lb.

Broadleafs and common weeds

Acreage: 915

Chemicals used:		
	Super Trimec	90.15 Gal.
	Solution- 2,4-D	779.5 Lbs.
	MSMA	9.1 Gal.
	Manage	.75 Oz.
	Power Zone	19.15 Gal.
	Journey	1 Gal.

Bindweed:

Acreage: 124.25

Chemicals used:		
	Plateau	7.64 Gal.
	Solution- 2,4-D	27.75 Lb.
	Power Zone	19.15 Gal.

Johnson Grass:

Acreage: 197.55

Chemicals used:		
	Plateau	17.62 Gal.

Musk Thistle:

Acreage: 2

Chemicals used:		
	2,4-D	8 Lb.
	Escort XP	1.75 Oz.

Sercia Lespedeza:

Acreage: 4.88

Chemicals used:		
	Remedy	1.25 Gal

Prepared by Neil Vyff 12-18-2007

Chemical/Pesticide Use in 2007
Core Area Crews – Region #14

Tempo 2	2 qt. sprayed on trees & shrubs scattered across the city for bagworm control.
Penudulum 2G	150 lbs. for pre-emergent control in various flower beds in core area.
Snapshot 2.5T	600 lbs. for pre-emergent control in various shrub beds.
Glyphosate 41%	47 gal. of concentrate applied in spot applications city-wide.
Dimension	17.5 gal. for pre-emergent control in various shrub beds.
Pennant	32 oz. for pre-emergent nut sedge control in spot applications.
Pathfinder 2	7 gal. cut & treat application city-wide.
Suckerstopper RTU	1.9 gal. cut & treat application city-wide.
KnoxOut	10 oz. insect control in spot applications.
Orthene WSP	4 lb. insect control in spot applications.
Poast	2.5 gal. grasses control in spot applications.
Power Zone	10 gal. broadleaf weed control in spot applications.
Sedgehammer	4.4 oz. nut sedge control in spot applications.
Gnatrol	1 gal. Fungus gnat control on office plants.
Dylox 6.25G	60 lb. Grub control in spot applications.

Prepared by Thane A. Rogers

BAGWORK SPRAY LIST 2007

	LOCATIONS CHECKED FOR SPRAYING	TREES	SPREADERS
*	Towne Park	23	
	35th and Rock Road		
*	Webb Road – Harry to Kellogg	13	
*	Webb Road – Douglas to Central	30	
*	Webb Road & 21st	31	10
	Stryker Soccer Complex		
*	Chisholm Creek Park North and South	38	
*	Northeast Substation	14	
*	Fire Station – Rock Road & Lincoln		4
*	Brookside- Douglas to English	4	
*	Armour – Douglas to Kellogg	3	
*	Edgemoor Park	10	
	Cypress Park		
*	Claude Lambe Park	18	
*	Highland Cemetary	18	2
	Fairmount Park		
*	Grove Park	6	
*	Kellogg & Oliver	8	31
*	Kellogg and Hillside	18	
	Fire Station – 2nd & Hillside		
*	College Hill Park		3
	Morris & Bluff		
	Longview Park		
*	Murdock Park	14	
*	9th & I-135	44	
*	K-96 Lake	28	
	35th & Ohio		
	Kellogg Drive – Skyline Park		
*	Canal Route	17	89
*	Grove – Kellogg to Central	20	
*	Murdock – Cleveland to Wabash	8	
*	Cessna Park	29	
*	Kellogg and Washington	35	
*	Linwood Park	23	
	K-15 and Harry		
	K-15 and Mt. Vernon		
	Mt. Vernon and I-135		
*	Planeview Park	17	
	Whitney Park		
	George Washington Blvd – Pawnee to Oliver		
*	Emery Park	1	
*	Herman Hill Park	24	
	Watson Park		
	Osage Park		
*	Southview Park	51	
*	South Lakes Park	40	

	Wildwood Park		
	Fire Station – Broadway & Bayley		
	Seneca Park		
	Ice Center		
*	Hyatt	1	
*	LDS	13	
*	Old Town Warren Plaza		116
*	Multimedia Parking Lot – Waterman		215
*	Kellogg Dr.- Poplar to Chautauqua	57	
*	Kellogg – Sycamore to K-42	31	
*	Kellogg and West St.		78
*	Kellogg – Ridge to 119th	6	
	Kellogg – Main to Broadway		
*	Gateway	2	
*	Fire Station – Main & Murdock	1	
*	Fire Station – Topeka & Lewis		5
*	Waco – Central to Murdock	10	
*	Central Riverside Park	1	
*	South Riverside Park	9	
	North Riverside Park		
	McLean & Fern		
	West Side Athletic Field		
	McLean median – Meridian to Taft		
*	Central and Meridian	11	115
*	O & M West Substation		50
*	15th & McLean	4	
	Evergreen Park		
	Meridian Park		
	Fire Station – Central &Elder		
*	West Douglas Park	1	
	Country Acres Park		
	Tyler – 21st to Central Park		
	Sunset Park		
	Air Capital Memorial Park		
	Millbrook Park		
	The Meadows Park		
*	Maple medians – Maize to 135th		26
	Maple – Westlink to Maize		
	Buffalo Park		
*	Maize – Central to 13th	9	
	119th – Maple to Central		
	Jamesburg Cemetery		
*	Pawnee Prairie Nature Center	39	

- = **Locations Sprayed**

TOTAL TREES SPRAYED	**780**
TOTAL SPREADERS SPRAYED	**602**
TOTAL GAL. OF TEMPO SPRAY	**3,360**
TOTAL GAL. OF ORTHENE SPRAY	**661**

CHEMICAL CERTIFICATES

PW/Flood Control

Name	Title	Cert #	Class	Expiration Date
Ken Ritchie	General Supervisor II	13928	9A	12/31/2010
Eddy Mynatt	Engineering Aide III	15954	9A	12/31/2010
Chad O Miller	Equipment Operator II	15960	9A	12/31/2010
Stephen E Smith	Equipment Operator III	16306	9A	12/31/2010

Golf Division

Name	Title	Cert #	Class	Expiration Date
Don Harrison	Golf Course Manager	9780	3A, 3B	12/31/2010
Ernest Lickey	Maintenance Supervisor	10350	3A, 3B	12/31/2008
Ron Mosher	Maintenance Supervisor	9134	3A, 3B	12/31/2008
Ron Reese	Golf Course Maint Supvr	10476	3A, 3B	12/31/2008
Randy Siroky	Maintenance Supervisor	7486	3A, 3B	12/31/2009
Grant West	Golf Course Maint Supvr	17003	3A, 3B	12/31/2008
John Gibbs	Assistant Golf Course Maint Supvr	13245	3A, 3B	12/31/2009
Corey Krier	Assistant Golf Course Maint Supvr	15336	3A, 3B	12/31/2009

Park Maintenance & Forestry

Name	Title	Cert #	Class	Expiration Date
Neil Vyff	Rec Supervisor - North	10426	3A, 3B, 9A	12/31/2008
Tom Crain	General Supervisor II	18016	3A, 3B	12/31/2009
Richard (Brian) Meeks	Gardener II	10017	3A, 3B, 9A	12/31/2010
Warren McCoskey	General Supervisor II	18015	9A	12/31/2009
Tom Nordick	Equipment Operator II	12329	9A	12/31/2010
John Allred	Equipment Operator I	10959	9A	12/31/2007
Thane Rogers	Landscape Supervisor	8940	3A, 3B	12/31/2008
Craig Beaver	TM Inspector	10346	3A, 3B	12/31/2008
Luke Fulton	Gardener II	18812	3A, 3B	12/31/2010

Water Utility/Sewer Maintenance

Name	Title	Cert #	Class	Expiration Date
Trent Manz	Equipment Operator III	13329	5S	12/31/2009
Calvin Fugit	Sewer Maintenance Supvr	11956	5S	12/31/2007

APPENDIX F

Summary of Industrial Inspections

City of Wichita

2007

2007 INDUSTRIAL INSPECTIONS

City of Wichita

Name	Address	Comments
SARA Industries		
United Parcel Service	3003 S. West St.	Very well run facility
Straub International	2050 S. West St.	Clean shop, need a spill kit.
RSC Inc	9707 E. Orme	Good operation
Lustercraft Plastics	1818 S. Meridian	No exposure
Cargill	1417 Barwise	Cargill continues to improve
Allied Battery	3131 S. Seneca	Poor storage areas
WATCO	1825 W. Harry	Excellent job of cleaning up several issues they had in storage yard.
Grede Foundries	805 E. Boston	Continue to have issues
BG Products	740 S. Wichita	Improvements have been made
Hiland Dairy Foods	700 E. Central	Containment needs improvement
Rand Graphics	500 S. Florence	Storage has been covered
Aramark Uniform Services	521 W. Walker	Training and SOP's not always enforced
General Industries		
Waste Connections	2745 N. Ohio	Do a good job
Ditch Witch	11402 N. Broadway	Good, clean lot
Betzen Trenching	1410 S. Walnut	No spill kit
ServPro	6100 E. 21st St	Proper disposal and BMP's
Unique Impressions Inc.	911 E. Third St.	Need improvement with waste containment.
Cargill Plant 1	1501 N. Mosley	Some issues, but, this operation does make efforts at proper BMP's.
Dolese	826 E. Central	Dust suppression is needed
Cornejo	2060 E. Tulsa	Berming is needed
Beacon Restaurant	909 E. Douglas	Occasionally clean vent screens outdoors
GK Tire & Auto	11209 W. Kellogg	Spill kits and inside storage.
TreatCo	2300 N. Broadway	Numerous environmental issues
Yellow Freight Inc	4931 S. Hydraulic	Have necessary BMP's
Richmond Electric	911 Maple	Need spill kits
Foley Equipment	1550 S. West St	Good BMP's
Metal-Fab Inc	3025 May	Scrap metal stored outside
C of W Treatment Plant #1	3100 S. Grove	*No recommendations*
C of W Treatment Plant #2	2305 E. 57th St. South	Proper BMP's
C of W Treatment Plant #3	4182 N. 135th St. West	Well run operation
Ballinger Trash Service	405 N. Baehr	Outside storage issues
Machining Specialists Inc	2727 W. Pawnee	BMP's have improved
Commercial Applicators		
Countryside Lawn & Tree	1630 E. 37th St.	Good BMP's
Tree Top Nursery	5910 E. 37th North	Well run operation.
Betts Pest Control	3015 W. Central	Proper BMP's are in place.
Chem-Trol Inc.	925 E. 17th	Adequate BMP measures.
DeBruce Fertilizer	2728 N. Ohio	Good containment.
Suburban Landscape	1100 E. McArthur	Have reduced exposure to run off.
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Tru Green - Chemlawn	1652 S. West	Improvements are being made.
New Frontier	2533 E. 36th St. Circle	Good clean, well run operation.

APPENDIX G

Summary of:

City Complaint Investigations

On Site Waste Water Treatment

Haz-Mat

Illicit Discharges

City of Wichita 2007

Summary of Onsite Wastewater and Sewage Treatment Permitting and Inspection

City of Wichita

2007

CITY OF WICHITA
ENVIRONMENTAL SERVICES

NPDES Report 2007

Water Quality Program

- **The number of permit applications approved for onsite wastewater systems.**
  47 onsite system permit applications were reviewed and approved by water quality program staff.

- **The number of onsite wastewater and sewage systems inspections that were conducted.**
  System Installations
  - 48 onsite system inspections were performed for new and replacement systems.

  Site evaluations for systems
  - 24 site evaluations were performed for determining soil types and system design, or for placing accessory structures and building additions where onsite systems or located.

- **The number of private onsite wastewater and sewage systems that were evaluated for change of ownership transactions.**
  129 onsite systems were evaluated for title transfer. This number includes both city and county inspections.

- **Review of any unsewered areas of the City for possible sanitary sewer connection including those that resulted in an order in or benefit district voluntarily connecting.**
  An area of west Wichita along Kellogg Drive near Maize Road was assessed for existing onsite wastewater and environmental conditions. Program staff has made a recommendation to city engineering that public sewer should be ordered in to alleviate immediate health risks on a property with a motel and residence where the septic system is failing (resulting in surfacing sewage). Engineers have defined a benefit district and decided on a specific plan to provide sewer service to approximately ten properties in the immediate area of the White glove Inn. Staff recommendations were approved by the DAB responsible for the area. The order in project development phase is near completion and implementation with follow.

  1724 S. Lark (s. of Kellogg) seven residential properties will have access to public sewer when the project is completed.
  - Environmental & health concerns included a failing system, poor soils, and water wells.

- The order in process is in the developmental phase with Public Works engineers.

The following thirty properties were connected to sanitary sewer in 2007. These properties had been served by onsite systems prior to connection. City sewer connections and septic systems were abated in 2007:

633 W 33rd/ Gibbons Gardens Add
3350 N Arkansas/ Gibbons Garden Add
1401 E 45th St S.
1160 N Firefly
1100 N Azure
1159 Firefly
6900 W Harry
1727 S 127 th St.
111430 Kellogg/White Glove
3900 N Athenian
2320 S Clay
1601 W 51st St N.
5228 W 21st St N.
617 Brookhaven
3200 Hood
3417 N Fairview
112 02 E Osie
110 S Evergreen
1101 W 35th N
1249 N Firefly
1916 S 123rd St.
2510 N Wheatridge
2817 S Hillside
1269 N Firefly
2518 N Wheatridge
6300 W 13th S.
6300 W 13th S.
6300 W 13th S.
6300 W 13th S.
227 N Garnett

The following three properties were connected to sanitary sewer as a result of title transfer inspections that located properties served by septic systems and were within 150ft of sanitary sewer and were in violation of city ordinance.

1100 N. Azure
110 S Evergreen
1916 S 123rd St.

- **The number of onsite wastewater and sewage systems brought into compliance through complaint investigations and the resulting details.**

5 cases were completed where onsite systems were brought into compliance by replacement or repair of failing systems.

- **A summary of any work to local ordinances in 2007 that have improved or will improve the use onsite wastewater and sewage systems.**
  A draft ordinance has been written to include revised codes for:
  - Required inspections of any onsite wastewater system prior to the change of ownership.
  - Requirements for installation of systems with advanced treatment components.
  - Testing and remediation requirements prior to system construction on properties where existing soil or groundwater contamination is suspected.
  - Added permit requirements for additional structures connected to existing systems.
  - Clarifies fee structure and responsibilities.
  - Provides consistency with existing title transfer inspection requirements for water wells.
  - Provides for waivers when conditions warrant.
  - Provides for appeal to municipal court.
  - Penalty provisions are included for violations.

- **Any other water quality activities that would have an impact on storm water related issues (e.g., the number of times water quality staff provided technical assistance by phone or other, and etc.).**
  1. Technical assistance was provided in response to 532 phone calls involving onsite wastewater issues.
  3. Water quality staff continues to support the efforts of the Sedgwick County Conservation District to provide cost share for wastewater system replacement to property owners in TMDL areas.
  4. Water quality supports the environmental service department's Watershed Restoration and Protection Strategy (WRAPS) efforts. The department has received KDHE WRAPS grant funding for the developmental phase of a WRAPS project. The developmental phase involves partnering with the Sedgwick County WRAPS effort to build stakeholder support for watershed protection and improvement for identified HUC's within the Lower Ark watershed. Water quality staff have attended several Kansas WRAPS seminars and meetings, worked with county and other department staff to write the grant proposal, identify HUC's, and develop the project budget. The initial phase of stakeholder recruitment in the WRAPS development phase has begun. Water Quality also conducts regular monthly meetings of the ARK River Technical Committee.

Hazardous Material Response Summary

City of Wichita

2007

Hazardous Materials Summary for 2007

Street # or Hundred Block	N/S/E/W	Location of Incident (Street)	City/ County	Date	Type of Incident (Pesticide Application; Water Pollution; Haz Mat Spill; Solid Waste	Condition Reported	Resolution	Responder
		K-96 marker 248.7	Wichita	1/13/2007	Spills	110g diesel spill from semi wreck	Eagle Env contracted to remove spill	Redington
		Kellogg & I-235	Wichita	8/15/2007	Spills	10-15g diesel spill from wreck of Price Truck line	roadway treated with ultr-sorb, free product removed	Redington
		Kellogg & Washington	Wichita	8/22/2007	Spills	~50g acid spill from Simpson & Assoc truck on on-ramp	neutralized to ph of 6 & flushed down storm sewer	Anderson
3022	N	Ridge Port	Wichita	8/27/2007	Spills	~150g 24d solution spilled by Countryside Lawn	Reddi Rooter sucked up spill, treat area w/bleach & flushed w/ ~1000g of water	Redington
8901	E	Orme	Wichita	9/1/2007	Spills	~200g diesel spill	Eagle Env contracted to remove spill	Redington
		I-235 marker 12/2	Wichita	9/1/2007	Spills	~80g diesel spill	oil dry applied to spill & left in place	Redington
		2nd & Mead	Wichita	10/19/2007	Spills	50g deisel	oil dry & picked up	Redington
		I-35 marker 35	Mulvane	10/25/2007	Spills	~1000g of soybean oil spilled in wreck	oil dry & picked up & contaminated soil removed	Redington
2020	N	southeast blvd	Derby	10/28/2007	other	complaint on odors in WalMart	surveyed with TVA and found nothing	Stark

Investigation of Stormwater Related Cases

City Of Wichita

2007

CITY OF WICHITA
DEPARTMENT OF ENVIRONMENTAL SERVICES

Environmental Report on Stormwater Related Cases

January 1, 2007 through December 31, 2007

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-00421	5505 W KELLOGG	Y	2/5/07	Closed	7.08.110 All non-residential bulky waste is to be removed from the property.
EVM2007-00421	5505 W KELLOGG	Y	2/5/07	Closed	5.44.040 It is unlawful to dump or cause to be dumped any waste matter in or upon any public or private highway or road including right-of-ways, any public property, or in or upon any private property without the consent of the owner. You are responsible for seeing that the trash dumpster lid is secured and locked to prevent scavanging and illegal dumping. Your business have received several warnings and a court case is to be issued unless contact is made and corrections assured.
EVM2007-00493	5733 W 24TH ST N	Y	2/8/07	Closed	7.40.040(7) and/or 8.01.100(c) - All miscellaneous scattered or bagged trash and debris is to be removed from the property.
EVM2007-00493	5733 W 24TH ST N	Y	2/8/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property. This includes indoor furniture, appliances, misc junk, salvage material, and building materials.
EVM2007-00493	5733 W 24TH ST N	Y	2/8/07	Closed	7.40.040(9) and/or 8.01.100(b) and (c) - All misc. salvage material is to be removed from the property or stored in accordance with health codes. This includes car parts, tires, disassembled machinery and appliances, and used building materials.
EVM2007-00493	5733 W 24TH ST N	Y	2/8/07	Closed	8.01.140 and/or 7.40.045 - Abandoned and/or inoperable vehicle(s) and/or vehicle(s) with flat tires, not currently tagged and registered, not currently street legal, on jacks, dismantled, wrecked, or unable to be driven, are to be repaired, tagged, stored in an enclosed structure, or removed from the property. All such vehicles may be towed from the property at the property owner's expense. This includes the following vehicles: White Minnie Winnie RV
EVM2007-00493	5733 W 24TH ST N	Y	2/8/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. Oil containers exposed to the elements.
EVM2007-00493	5733 W 24TH ST N	Y	2/8/07	Closed	Due to repeat offenses on this property- NO extensions will be allowed.

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Date[illegible]ted: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-03123	1908 N HEISERMAN AVE	Y	4/24/07	Closed	7.08.030(2b) and/or 8.01.110 - All multiple family household waste is to be removed weekly by a licensed trash hauler. Please contact the Health Department and provide the name and telephone number of your trash hauler. If you do not have trash service with a City of Wichita licensed hauler, you must call and establish an account within the allotted time. You must call the Health Dept. and give the name and telephone number of your trash hauler.
EVM2007-03123	1908 N HEISERMAN AVE	Y	4/24/07	Closed	7.08.030(1b) and/or 8.01.110 - All multiple family household waste is to be stored in 30-35 gallon trash containers or approved dumpsters with airtight and watertight lids.
EVM2007-03123	1908 N HEISERMAN AVE	Y	4/24/07	Closed	7.40.040(7) and/or 8.01.100(c) - All miscellaneous scattered or bagged trash and debris is to be removed from the property.
EVM2007-03123	1908 N HEISERMAN AVE	Y	4/24/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials.
EVM2007-03904	5733 W 24TH ST N	Y	5/3/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. You must clean up spilled oil/ solvents to six inches below visible contamination and contact me for sign off before you will be allowed to backfill. Waste soil must be taken to the transfer station and fees paid. You are required to provide copies of paid receipts proving proper disposal. Failure to abide by this directive will result in further court action or expensive remediation of the property. Contact me for clarification or if you have any questions.
EVM2007-05832	3228 S MT CARMEL AVE	Y	6/5/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions.
EVM2007-05832	3228 S MT CARMEL AVE	Y	6/5/07	Closed	5.44.040 It is unlawful to dump or cause to be dumped any waste matter in or upon any public or private highway or road including right-of-ways, any public property, or in or upon any private property without the consent of the owner.
EVM2007-05832	3228 S MT CARMEL AVE	Y	6/5/07	Closed	Agreed upon cleanup and soil replacement does not appear to have occured.
EVM2007-05960	5111 S MERIDIAN	Y	6/7/07	Closed	
EVM2007-05960	5111 S MERIDIAN	Y	6/7/07	Closed	If problem with sewage is not remedied by Tuesday, June 19th, the City of Wichita shall have water service to your address turned off.

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-07232	315 W 48TH ST N	Y	7/3/07	Closed	8.01.140 and/or 7.40.045 - Abandoned and/or inoperable vehicle(s) and/or vehicle(s) with flat tires, not currently tagged and registered, not currently street legal, on jacks, dismantled, wrecked, or unable to be driven, are to be repaired, tagged, stored in an enclosed structure, or removed from the property. All such vehicles may be towed from the property at the property owner's expense. This includes the following vehicles: Grey Ford van, back corner, no tag.
EVM2007-07320	5730 W CENTRAL	Y	7/5/07	Closed	7.40.040(5) and/or 8.01.130 - All grass, weeds, unwanted or unkept vegetation in excess of 12" is to be cut. This includes alleys, around structures, and fence line. This also includes all volunteer trees. REPEAT VIOLATIONS: Pursuant to K.S.A. 12-1617f(b), and Section 7.40.060(h) of the Wichita City Code, future violations within the calendar year of this notice will result in mowing of the property without issuance of additional violation notices. The cost of mowing will be billed to the property owner as specials on the real estate taxes.
EVM2007-07320	5730 W CENTRAL	Y	7/5/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. Oil to be contained and all spills cleaned up to six inches below contamination.
EVM2007-09141	1617 N CHARLES ST	Y	8/7/07	Closed	7.08.125 Liquid waste must be stored in a suitably constructed, non-leaking tank which may be connected to a sanitary sewer only with prior approval from the Sewer Dept. or may be removed by a properly licensed liquid waste collector. This is specific to the dumping of cooking grease in the southwest corner of your property. The remaining food in the grease will decay, attracting insects and giving off of foul odors. Please contain the grease in an airtight vessel and dispose of the container via your commercial trash hauler. I can be reached at 268 8370 if questions.
EVM2007-10947	3235 S CUSTER AVE	Y	9/17/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials.
EVM2007-10947	3235 S CUSTER AVE	Y	9/17/07	Closed	7.40.040(9) and/or 8.01.100(b) and (c) - All misc. salvage material is to be removed from the property, stored in an enclosed structure accordance, or in accordance with health codes. This includes items such as: car parts, tires, disassembled machinery and appliances, and used building materials. Wood, keg, car seat, tractor tire, miscellaneous.

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-10947	3235 S CUSTER AVE	Y	9/17/07	Closed	8.01.140 and/or 7.40.045 - Abandoned and/or inoperable vehicle(s) and/or vehicle(s) with flat tires, not currently tagged and registered, not currently street legal, on jacks, dismantled, wrecked, or unable to be driven, are to be repaired, tagged, stored in an enclosed structure, or removed from the property. All such vehicles may be towed from the property at the property owner's expense. This includes the following vehicles: Brown Chevy truck, motorcycles.
EVM2007-10947	3235 S CUSTER AVE	Y	9/17/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. Auto fluids
EVM2007-11015	1929 N PAYNE AVE	Y	9/19/07	Closed	7.40.040(7) and/or 8.01.100(c) - All miscellaneous scattered or bagged trash and debris is to be removed from the property.
EVM2007-11015	1929 N PAYNE AVE	Y	9/19/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials.
EVM2007-11015	1929 N PAYNE AVE	Y	9/19/07	Closed	7.08.050 and/or 8.01.120 - All tree waste is to be removed from the property.
EVM2007-11015	1929 N PAYNE AVE	Y	9/19/07	Closed	7.40.040(9) and/or 8.01.100(b) and (c) - All misc. salvage material is to be removed from the property, stored in an enclosed structure accordance, or in accordance with health codes. This includes items such as: car parts, tires, disassembled machinery and appliances, and used building materials.
EVM2007-11015	1929 N PAYNE AVE	Y	9/19/07	Closed	7.40.040(5) and/or 8.01.130 - All grass, weeds, unwanted or unkept vegetation in excess of 12" is to be cut. This includes alleys, around structures, and fence line. This also includes all volunteer trees. REPEAT VIOLATIONS: Pursuant to K.S.A. 12-1617f(b), and Section 7.40.060(h) of the Wichita City Code, future violations within the calendar year of this notice will result in mowing of the property without issuance of additional violation notices. The cost of mowing will be billed to the property owner as specials on the real estate taxes.
EVM2007-11015	1929 N PAYNE AVE	Y	9/19/07	Closed	7.40.040(12) Open and/or dilapidated accessory buildings and vacant houses are to be boarded and made secure to prevent entry, or razed to the ground and the debris removed.
EVM2007-11015	1929 N PAYNE AVE	Y	9/19/07	Closed	7.40.040(6) Water impoundments that would allow for the breeding of mosquitoes or cause offensive odors must be drained. Wading pool.

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-11757	1914 N PAYNE AVE	Y	10/22/07	Closed	7.08.030(2a) and/or 8.01.110(a) - All single family household waste is to be removed weekly by a licensed trash hauler. Please contact the Health Department and provide the name and telephone number of your trash hauler. If you do not have trash service with a City of Wichita licensed hauler, you must call and establish an account within the allotted time. You must call the Health Dept. and give the name and telephone number of your trash hauler.
EVM2007-11757	1914 N PAYNE AVE	Y	10/22/07	Closed	7.08.030(1a) and/or 8.01.110(a) - All single family household waste is to be stored in 30-35 gallon trash containers or approved carts with airtight and watertight lids.
EVM2007-11757	1914 N PAYNE AVE	Y	10/22/07	Closed	7.40.040(7) and/or 8.01.100(c) - All miscellaneous scattered or bagged trash and debris is to be removed from the property.
EVM2007-11757	1914 N PAYNE AVE	Y	10/22/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials.
EVM2007-11757	1914 N PAYNE AVE	Y	10/22/07	Closed	7.40.040(9) and/or 8.01.100(b) and (c) - All misc. salvage material is to be removed from the property, stored in an enclosed structure accordance, or in accordance with health codes. This includes items such as: car parts, tires, disassembled machinery and appliances, and used building materials.
EVM2007-11757	1914 N PAYNE AVE	Y	10/22/07	Closed	7.40.040(12) Open and/or dilapidated accessory buildings and vacant houses are to be boarded and made secure to prevent entry, or razed to the ground and the debris removed. Open garage
EVM2007-11757	1914 N PAYNE AVE	Y	10/22/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. Oil, oil filter.
EVM2007-02442	2320 S BONN ST	Y	4/9/07	Closed	7.40.040(7) and/or 8.01.100(c) - All miscellaneous scattered or bagged trash and debris is to be removed from the property.
EVM2007-02442	2320 S BONN ST	Y	4/9/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials. Pan with oil, crates, buckets, wood, etc.

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-02442	2320 S BONN ST	Y	4/9/07	Closed	7.40.040(9) and/or 8.01.100(b) and (c) - All misc. salvage material is to be removed from the property, stored in an enclosed structure accordance, or in accordance with health codes. This includes items such as: car parts, tires, disassembled machinery and appliances, and used building materials. Car parts, tires, wood, metal, etc. *** Just a set of tires in the front drive. ***
EVM2007-02442	2320 S BONN ST	Y	4/9/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. Pan of oil in drive, open paint can in drive. *** Condition Met, thank you ***
EVM2007-02442	2320 S BONN ST	Y	4/9/07	Closed	7.40.040(5) and/or 8.01.130 - All grass, weeds, unwanted or unkept vegetation in excess of 12" is to be cut. This includes alleys, around structures, and fence line. This also includes all volunteer trees. *** Condition Met, thank you *** REPEAT VIOLATIONS: Pursuant to K.S.A. 12-1617f(b), and Section 7.40.060(h) of the Wichita City Code, future violations within the calendar year of this notice will result in mowing of the property without issuance of additional violation notices. The cost of mowing will be billed to the property owner as specials on the real estate taxes.
EVM2007-02442	2320 S BONN ST	Y	4/9/07	Closed	*** Slow improvement; mowed, garage door fixed; reduced amount of stored items in the back. Almost done, please complete by the date below. *** *** Inspection on 8-1-07; Primarily down to scattered materials in the backyard and against the back of the house; this is pretty much the final sticking point on the case, so if they can be stored or discarded the case will be able to close. Thanks for all you've done so far. Please finish what little remains by the date below. As always, I can be reached at 268 8370. *** No change at the date of inspection on 5-11-07. Please avoid abatement by the city or court action by taking care of the listed conditions of this letter. I can be reached at 268-8370 if any questions. *** I really need you to call me on this. Inspection on 6-6 showed no improvement, but there is an empty cargo trailer in the drive. City involvement will involve cleaning the property, mowing and boarding up the broken garage door. This will be incredibly expensive, and will wind up on your property tax. The other option is court, where you will be ordered by the judge to what your being asked now. Once done, the court costs and fines will be incredibly expensive. Please take care of this so the city doesn't have to. Call me if you need to. ***

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-03041	1808 S GLENN	Y	4/20/07	Closed	7.08.030(2a) and/or 8.01.110(a) - All single family household waste is to be removed weekly by a licensed trash hauler. Please contact the Health Department and provide the name and telephone number of your trash hauler. If you do not have trash service with a City of Wichita licensed hauler, you must call and establish an account within the allotted time. You must call the Health Dept. and give the name and telephone number of your trash hauler.
EVM2007-03041	1808 S GLENN	Y	4/20/07	Closed	7.08.030(1a) and/or 8.01.110(a) - All single family household waste is to be stored in 30-35 gallon trash containers or approved carts with airtight and watertight lids.
EVM2007-03041	1808 S GLENN	Y	4/20/07	Closed	7.40.040(7) and/or 8.01.100(c) - All miscellaneous scattered or bagged trash and debris is to be removed from the property.
EVM2007-03041	1808 S GLENN	Y	4/20/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials. Furniture, tires, wood, car parts, etc.
EVM2007-03041	1808 S GLENN	Y	4/20/07	Closed	8.01.140 and/or 7.40.045 - Abandoned and/or inoperable vehicle(s) and/or vehicle(s) with flat tires, not currently tagged and registered, not currently street legal, on jacks, dismantled, wrecked, or unable to be driven, are to be repaired, tagged, stored in an enclosed structure, or removed from the property. All such vehicles may be towed from the property at the property owner's expense. This includes the following vehicles: Pontiac Bonneville in side of drive Chevy Impala in drive.
EVM2007-03041	1808 S GLENN	Y	4/20/07	Closed	6.12.030 Persons having more than 2 dogs.
EVM2007-03041	1808 S GLENN	Y	4/20/07	Closed	6.12.040 Without an Animal Maintenance Permit, you may have only 2 dogs. With a permit you may have up to 4 dogs. Up to 8 dogs have been reported on the premise. Please register all dogs and limit to 4 with AMP.
EVM2007-03041	1808 S GLENN	Y	4/20/07	Closed	No change at the time of inspection on 5-11-07. We spoke on the phone in reference to the stickers on the cars, you indicated you have tags and they will be on the cars. Please deal with the other conditions on this letter by the date below to avoid the city getting involved to the tune of abatement or court action.
EVM2007-00747	3501 E BELLAIRE	Y	2/21/07	Closed	7.40.040(7) and/or 8.01.100(c) - All miscellaneous scattered or bagged trash and debris is to be removed from the property.

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-00747	3501 E BELLAIRE	Y	2/21/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property. This includes indoor furniture, appliances, misc junk, salvage material, and building materials. INCLUDING BUT NOT LIMITED TO: Mattress, desk, dog house, lumber, metal head & foot ends, metal cart with shingles & stool on top, free weights, exercise bike in the front driveway
EVM2007-00747	3501 E BELLAIRE	Y	2/21/07	Closed	7.40.040(9) and/or 8.01.100(b) and (c) - All misc. salvage material is to be removed from the property or stored in accordance with health codes. This includes car parts, tires, disassembled machinery and appliances, and used building materials. ------Tire in the driveway
EVM2007-00747	3501 E BELLAIRE	Y	2/21/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. ---- -Regarding a bucket of oil under the metal cart
EVM2007-00747	3501 E BELLAIRE	Y	2/21/07	Closed	8.01.140 and/or 7.40.045 - Abandoned and/or inoperable vehicle(s) and/or vehicle(s) with flat tires, not currently tagged and registered, not currently street legal, on jacks, dismantled, wrecked, or unable to be driven, are to be repaired, tagged, stored in an enclosed structure, or removed from the property. All such vehicles may be towed from the property at the property owner's expense. This includes the following vehicles: Trailer with both tires flat
EVM2007-01519	2835 N VASSAR AVE	Y	3/15/07	Closed	8.01.140 and/or 7.40.045 - Abandoned and/or inoperable vehicle(s) and/or vehicle(s) with flat tires, not currently tagged and registered, not currently street legal, on jacks, dismantled, wrecked, or unable to be driven, are to be repaired, tagged, stored in an enclosed structure, or removed from the property. All such vehicles may be towed from the property at the property owner's expense. This includes the following vehicles: Blue Chevy Corsica, exp tag WQG-267 7/06
EVM2007-01519	2835 N VASSAR AVE	Y	3/15/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. ------ -Regarding transmission fluid in the driveway. Please clean up so the chemical does not go into the storm water drain.------Condition met

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-01667	714 S COURTLEIGH DR	Y	3/20/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials.-----AC Units & appliance in the drive & front yard
EVM2007-01667	714 S COURTLEIGH DR	Y	3/20/07	Closed	8.01.140 and/or 7.40.045 - Abandoned and/or inoperable vehicle(s) and/or vehicle(s) with flat tires, not currently tagged and registered, not currently street legal, on jacks, dismantled, wrecked, or unable to be driven, are to be repaired, tagged, stored in an enclosed structure, or removed from the property. All such vehicles may be towed from the property at the property owner's expense. This includes the following vehicles: Gold Nissan Altima, RWJ-020 10/07, Front end up on jacks, Driver front tire removed
EVM2007-01667	714 S COURTLEIGH DR	Y	3/20/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. -----Pan of oil under the vehicle
EVM2007-01691	438 S ROCK RD	Y	3/21/07	Closed	7.40.040(7) and/or 8.01.100(c) - All miscellaneous scattered or bagged trash and debris is to be removed from the property.-----All along the east & south end of this strip mall
EVM2007-01691	438 S ROCK RD	Y	3/21/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials.-----All of these items are scattered along the east & south side of the strip mall
EVM2007-01691	438 S ROCK RD	Y	3/21/07	Closed	7.40.040(9) and/or 8.01.100(b) and (c) - All misc. salvage material is to be removed from the property, stored in an enclosed structure accordance, or in accordance with health codes. This includes items such as: car parts, tires, disassembled machinery and appliances, and used building materials. ------Scattered along the east & south side of the strip mall.
EVM2007-01691	438 S ROCK RD	Y	3/21/07	Closed	16.32.030 - No person shall dump, spill, leak, or otherwise introduce or cause garbage, rubbish, yard waste, soil, earth, hazardous waste, antifreeze, or used motor oil, into the stormwater.----- 1) See enclosures 2) There are 2 violations, Section 16.32.020 & 16.32.030 C.5 3) The refuse from the dumping is running off into the storm water drain along Peach Tree St. 4) The fine, if not promptly taken care of, can be $300/violation/day.

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-02155	10010 E BOSTON	Y	4/3/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. ------- Container of oil by the dumpster for Bldg 10018 4/16--------Still present
EVM2007-02155	10010 E BOSTON	Y	4/3/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials.-----Mattresses by the dumpster for Bldg 10018
EVM2007-09668	846 S BELMONT	Y	8/17/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials. INCLUDING BUT NOT LIMITED TO: 1) Several lawn mowers, table, cabinet, tires, several containers of oil in the back yard 2) Misc lumber, guttering along the north side of house 3) Tires in the front yard
EVM2007-10878	637 N DELLROSE ST	Y	9/14/07	Closed	8.01.140 and/or 7.40.045 - Abandoned and/or inoperable vehicle(s) and/or vehicle(s) with flat tires, not currently tagged and registered, not currently street legal, on jacks, dismantled, wrecked, or unable to be driven, are to be repaired, tagged, stored in an enclosed structure, or removed from the property. All such vehicles may be towed from the property at the property owner's expense. This includes the following vehicles: Grey GMC Safari, flat tire, exp tag XTD 706
EVM2007-10878	637 N DELLROSE ST	Y	9/14/07	Closed	16.32.030 - No person shall dump, spill, leak, or otherwise introduce or cause garbage, rubbish, yard waste, soil, earth, hazardous waste, antifreeze, or used motor oil, into the stormwater. -- Leaves and grass clippings were dumped into gutter.
EVM2007-11494	525 S DRURY LN	Y	10/10/07	Closed	7.08.030(2a) and/or 8.01.110(a) - All single family household waste is to be removed weekly by a licensed trash hauler. Please contact the Health Department and provide the name and telephone number of your trash hauler. If you do not have trash service with a City of Wichita licensed hauler, you must call and establish an account within the allotted time. You must call the Health Dept. and give the name and telephone number of your trash hauler. ----Lies Trash Svc not active

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-11494	525 S DRURY LN	Y	10/10/07	Closed	7.40.040(7) and/or 8.01.100(c) - All miscellaneous scattered or bagged trash and debris is to be removed from the property. -----Bags by the cart & behind the gate
EVM2007-11494	525 S DRURY LN	Y	10/10/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials. ----Tire & auto parts in the drive
EVM2007-11494	525 S DRURY LN	Y	10/10/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. -----Regarding an open bucket of oil in the driveway
EVM2007-01582	1039 S IDA AVE	Y	3/19/07	Closed	7.40.040(7) and/or 8.01.100(c) - All miscellaneous scattered or bagged trash and debris is to be removed from the property.
EVM2007-01582	1039 S IDA AVE	Y	3/19/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials. ---tires, carpet, barrel (things in barrel)
EVM2007-01582	1039 S IDA AVE	Y	3/19/07	Closed	7.08.050 and/or 8.01.120 - All tree waste is to be removed from the property.
EVM2007-01582	1039 S IDA AVE	Y	3/19/07	Closed	7.08.120 Demolition and construction waste must be removed from the premises ---concrete debris and waste
EVM2007-01582	1039 S IDA AVE	Y	3/19/07	Closed	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. ---used oil
EVM2007-08962		Y	8/3/07	Violation	7.40.040(6) Water impoundments that would allow for the breeding of mosquitoes or cause offensive odors must be drained. ----buckets
EVM2007-08962		Y	8/3/07	Violation	7.40.040(6) Water impoundments that would allow for the breeding of mosquitoes or cause offensive odors must be drained. ----buckets

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-08962		Y	8/3/07	Violation	KSA 2-1314 and/or 7.40.040(5) Johnson Grass is to be eradicated according to Kansas Statute. According to K.D.A. acceptable control practices Johnson Grass may be mowed at a minimum of every 14 days during growing season or sprayed with herbicide to control. Herbicide may be purchased below cost from the Sedgwick County Noxious Weed Dept. at 901 Stillwell 660-7459
EVM2007-08962		Y	8/3/07	Violation	KSA 2-1314 and/or 7.40.040(5) Johnson Grass is to be eradicated according to Kansas Statute. According to K.D.A. acceptable control practices Johnson Grass may be mowed at a minimum of every 14 days during growing season or sprayed with herbicide to control. Herbicide may be purchased below cost from the Sedgwick County Noxious Weed Dept. at 901 Stillwell 660-7459
EVM2007-08962		Y	8/3/07	Violation	Section 7.40.040 General Nuisances. It is unlawful for any person to maintain or to permit to exist any nuisance as herein described. The following conditions or materials are declared to be injurious to the health and well being of citizens of the city and are declared to be nuisances together with those conditions not herein enumerated by coming under the definition of nuisance as described in Section 7.40.010 --items stored outside must be properly organized to prevent blight conditions
EVM2007-08962		Y	8/3/07	Violation	Section 7.40.040 General Nuisances. It is unlawful for any person to maintain or to permit to exist any nuisance as herein described. The following conditions or materials are declared to be injurious to the health and well being of citizens of the city and are declared to be nuisances together with those conditions not herein enumerated by coming under the definition of nuisance as described in Section 7.40.010 --items stored outside must be properly organized to prevent blight conditions
EVM2007-08962		Y	8/3/07	Violation	7.40.040(9) - All misc. salvage material is to be removed from the property, stored in an enclosed structure accordance, or in accordance with health codes. This includes items such as: car parts, tires, disassembled machinery and appliances, and used building materials. --You are not zoned for a salvage yard. --all disassembled and machinery --scrap and salvage metal, scattered metal --vehicle parts --pallets in poor condition --(only working and usable equipment associated with your industrial foundry business may be stored outside in your vacant lot)

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-08962		Y	8/3/07	Violation	7.40.040(9) - All misc. salvage material is to be removed from the property, stored in an enclosed structure accordance, or in accordance with health codes. This includes items such as: car parts, tires, disassembled machinery and appliances, and used building materials. --You are not zoned for a salvage yard. --all disassembled and machinery --scrap and salvage metal, scattered metal --vehicle parts --pallets in poor condition --(only working and usable equipment associated with your industrial foundry business may be stored outside in your vacant lot)
EVM2007-08962		Y	8/3/07	Violation	7.40.040(7) - All miscellaneous scattered trash and debris is to be removed from the property.
EVM2007-08962		Y	8/3/07	Violation	7.40.040(7) - All miscellaneous scattered trash and debris is to be removed from the property.
EVM2007-08962		Y	8/3/07	Violation	7.40.040(5) and/or 8.01.130 - All grass, weeds, unwanted or unkept vegetation in excess of 12" is to be cut. This includes alleys, around structures, and fence line. This also includes all volunteer trees. REPEAT VIOLATIONS: Pursuant to K.S.A. 12-1617f(b), and Section 7.40.060(h) of the Wichita City Code, future violations within the calendar year of this notice will result in mowing of the property without issuance of additional violation notices. The cost of mowing will be billed to the property owner as specials on the real estate taxes.
EVM2007-08962		Y	8/3/07	Violation	7.40.040(5) and/or 8.01.130 - All grass, weeds, unwanted or unkept vegetation in excess of 12" is to be cut. This includes alleys, around structures, and fence line. This also includes all volunteer trees. REPEAT VIOLATIONS: Pursuant to K.S.A. 12-1617f(b), and Section 7.40.060(h) of the Wichita City Code, future violations within the calendar year of this notice will result in mowing of the property without issuance of additional violation notices. The cost of mowing will be billed to the property owner as specials on the real estate taxes.
EVM2007-08962		Y	8/3/07	Violation	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the concentration or generation of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. ---containers for hazardous and used waste must remain closed --containers are overflowing and leaking --containers must be disposed of as often as necessary to prevent nuisance conditions

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-08962		Y	8/3/07	Violation	7.08.130 Hazardous waste shall be stored in durable, corrosion resistant, watertight containers that will prevent the leakage of the liquid and/or the *concentration* or *generation* of harmful or explosive vapors or materials, offensive odors, and any harmful exposure or nuisance conditions. ---containers for hazardous and used waste must remain closed --containers are overflowing and leaking --containers must be disposed of as often as necessary to prevent nuisance conditions
EVM2007-08962		Y	8/3/07	Violation	16.32.030 - No person shall dump, spill, leak, or otherwise introduce or cause garbage, rubbish, yard waste, soil, earth, hazardous waste, antifreeze, or used motor oil, into the drainage system, septic tank, surface water, groundwater, or water course.. Cleanup. Should it be determined by the director that any person or business has allowed any pollutant into the MS4 or waters of the United States, immediate measures will be taken by the responsible party to remove the pollutants. If the pollutants are not removed within the time period specified by the director, the city may remove the pollutants and assess the cost thereof to the responsible party. The city may use any legal means to collect said cost, should the responsible party fail to pay said cost within forty-five days. ---must cleanup oil spill
EVM2007-08962		Y	8/3/07	Violation	16.32.030 - No person shall dump, spill, leak, or otherwise introduce or cause garbage, rubbish, yard waste, soil, earth, hazardous waste, antifreeze, or used motor oil, into the drainage system, septic tank, surface water, groundwater, or water course.. Cleanup. Should it be determined by the director that any person or business has allowed any pollutant into the MS4 or waters of the United States, immediate measures will be taken by the responsible party to remove the pollutants. If the pollutants are not removed within the time period specified by the director, the city may remove the pollutants and assess the cost thereof to the responsible party. The city may use any legal means to collect said cost, should the responsible party fail to pay said cost within forty-five days. ---must cleanup oil spill
EVM2007-08962		Y	8/3/07	Violation	7.08.110 All non-residential bulky waste is to be removed from the property. --all scattered pallets, broken pallets, oil soaked pallets
EVM2007-08962		Y	8/3/07	Violation	7.08.110 All non-residential bulky waste is to be *removed from the property.* --all scattered pallets, broken pallets, oil soaked pallets

Date Printed: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-09382	939 N MAIN	Y	8/13/07	Closed	16.32.030 - No person shall dump, spill, leak, or otherwise introduce or cause garbage, rubbish, yard waste, soil, earth, hazardous waste, antifreeze, or used motor oil, into the stormwater --yardwaste blown into street by gas blower
EVM2007-09382	939 N MAIN	Y	8/13/07	Closed	--cased closed and violation put on official record
EVM2007-11482	1523 S PATTIE AVE	Y	10/9/07	Closed	7.40.040(7) and/or 8.01.100(c) - All miscellaneous scattered or bagged trash and debris is to be removed from the property.
EVM2007-11482	1523 S PATTIE AVE	Y	10/9/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in a fully enclosed structure. This includes items stored outside such as: indoor furniture, appliances, misc junk, tires, salvage material, and building materials. --mattresses, bed frames, headboards
EVM2007-11482	1523 S PATTIE AVE	Y	10/9/07	Closed	7.08.050 and/or 8.01.120 - All tree waste is to be removed from the property.
EVM2007-11482	1523 S PATTIE AVE	Y	10/9/07	Closed	7.40.040(9) and/or 8.01.100(b) and (c) - All misc. salvage material is to be removed from the property, stored in an enclosed structure accordance, or in accordance with health codes. This includes items such as: car parts, tires, disassembled machinery and appliances, and used building materials. --tires
EVM2007-11482	1523 S PATTIE AVE	Y	10/9/07	Closed	8.01.140 and/or 7.40.045 - Abandoned and/or inoperable vehicle(s) and/or vehicle(s) with flat tires, not currently tagged and registered, not currently street legal, on jacks, dismantled, wrecked, or unable to be driven, are to be repaired, tagged, stored in an enclosed structure, or removed from the property. All such vehicles may be towed from the property at the property owner's expense. This includes the following vehicles: --white toyota supra --Mazda 323 --white chevy blazer
EVM2007-11482	1523 S PATTIE AVE	Y	10/9/07	Closed	16.32.030 - No person shall dump, spill, leak, or otherwise introduce or cause garbage, rubbish, yard waste, soil, earth, hazardous waste, antifreeze, or used motor oil, into the stormwater ---used oil must be stored in closed containers and disposed of properly

Date Cited: 3/5/2008

Case Number	Full Address	Storm Water	Start Date	Status	Violations
EVM2007-01138	1722 N HOOD ST	Y	3/5/07	Closed	8.01.140 and/or 7.40.045 - Abandoned and/or inoperable vehicle(s) and/or vehicle(s) with flat tires, not currently tagged and registered, not currently street legal, on jacks, dismantled, wrecked, or unable to be driven, are to be repaired, tagged, stored in an enclosed structure, or removed from the property. All such vehicles may be towed from the property at the property owner's expense. This includes the following vehicles: Green Chevy Truck - no tag White Pontiac Trans Sport SE minivan - missing parts & expired tag Silver Ford Bronco- expired tag
EVM2007-01138	1722 N HOOD ST	Y	3/5/07	Closed	7.40.040(7) and/or 8.01.100(c) - All miscellaneous scattered or bagged trash and debris is to be removed from the property.
EVM2007-01138	1722 N HOOD ST	Y	3/5/07	Closed	7.08.030(2a) and/or 8.01.110(a) - All single family household waste is to be removed weekly by a licensed trash hauler. Please contact the Health Department and provide the name and telephone number of your trash hauler. If you do not have trash service with a City of Wichita licensed hauler, you must call and establish an account within the allotted time. You must call the Health Dept. and give the name and telephone number of your trash hauler.
EVM2007-01149	2638 N JACKSON AVE	Y	3/6/07	Closed	7.08.040 and/or 8.01.100 - All misc residential bulky waste is to be removed from the property or stored in an enclosed structure. This includes pallets,misc. Pallets may not be stored outside anywhere on the property, and including in the alley.

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Illicit Discharges

City of Wichita

2007

Appendix N

Investigated Discharges

City of Wichita 2007

Contact	Location	Problem	Solution
Breezy Lake	119th & Maple	Resident concerned about health of fish	All indications are that the fish are fine
Citizen	3547 Hiram	Standing water along curb	Referred to street maintenance
HOA	Maple Dunes	Grass in street	Lawn contractor instructed to remove grass
Citizen	869 W. 29th	Standing water producing mosquitoes	Referred to Sg. Co. Health Dept.
Sewage treatment	57th and Hydraulic	Boring contractor discharging slurry	Erroneous report
Citizen	White Glove Motel	Overflow from septic tank	Tank has been pumped
Sewage Treatment	Busy Bee Porta-Potties	Concern they were dumping illegally	No evidence of dumping
Citizen	Unique Impressions Inc.	Plaster slurry dumped into alley way	Owner instructed to clean it up
KDHE	Sterling Farms	Fish kill report over the weekend	Kill was 3 or 4 days old and DO had returned to normal
Citizen	GK Tire and Auto	Oily discharge onto grass	Old roof drain was cleaned out, discharge cleaned up
Citizen	1664 N Byron	Oil spill onto residential street	Old junker car. Spill cleaned up
Citizen	2419 N Crestline	Resident concerned about water quality in small pond	Water quality is 'normal'
Citizen	2000 Blk Cooper Ct.	Steady stream of water in curb	Resident instructed to re-route sump discharge to grass
Citizen	2015 E. 52nd South	Water softner salt dumped in street	Resident cleaned up salt
Citizen	4015 Hammond	Oil spill onto residential street	Leaked out of back of truck. Spill cleaned up
Citizen	910 Shadyway	Complaint of oil discharge	Erroneous report
Storm Water Maint.	43rd S and Elizabeth	'Substance' in water	Substance" was normal aquatic vegetation
Janice Free	2153 S. Main	Rancid swimming pool water	Water vac'd out by truck
Citizen	Dutch's Restaurant	Washing vent hoods in alley	Washing stopped, owner cleaned up water
Citizen	155th W and Kellogg	Foul odor in creek	Sanitary sewer line leak. Line repaired
Storm Water Maint.	2050 S. West St.	Red discharge from parking lot	Mulch dye. Owner cleaned up area
Citizen	1330 S. Meridian	Neighbor is discharging sewage to driveway	Broken sewer line repaired
KDHE	29th N. and Tyler	Fish kill	KDHE determined it was low DO

APPENDIX H

Washdown Summary

City of Wichita

2007

FIRE DEPARTMENT REPORTED WASHDOWNS

Date	Location	Cause	Amount	Amount Of Water	What was it	Where It Went
05/13/07	Douglas & Oak	Unknown	Est. 15 Gal	15 Gal	Cooking Oil	Fire Dept. Added 1 Gal of Simple Green and 15 Gal of water to dissolve cooking oil in storm drain.
05/24/07	6350 W Kellogg	Punctured Gas Tank	Est. 3 to 5 Gal	Unknown	Gasoline	Diluted On Driveway
07/21/07	21st & Coolidge	Auto Accident	Small amount	Unknown	Gasoline	Diluted On Street No Storm Drain Close
11/08/07	7236 W 21st	Over Filled Fuel Tank	Est. 5 Gal.	Unknown	Gasoline	Diluted On Parking Lot

A

FDID ★	State ★	Incident Date ★ MM	DD	YYYY	Station	Incident Number ★	Exposure ★
SG111	KS	05	13	2007	1	07-0016204	000

☐ Delete ☐ Change ☐ No Activity

NFIRS -1 Basic

B Location★

☐ Check this box to Indicate that the address for this incident is provided on the Wildland Fire Module In Section B "Alternative Location Specification". Use only for Wildland fires.

Census Tract ____ - ____

☒ Street address
☐ Intersection
☐ In front of
☐ Rear of
☐ Adjacent to
☐ Directions

Number/Milepost: ____ Prefix: W Street or Highway: DOUGLAS AV/N OAK Street Type: ST Suffix: ____

Apt./Suite/Room: ____ City: Wichita State: KS Zip Code: 67203 - ____

Cross street or directions, as applicable: ____

C Incident Type ★

413 Oil or other combustible liquid
Incident Type

D Aid Given or Received★

1 ☐ Mutual aid received
2 ☐ Automatic aid recv.
3 ☐ Mutual aid given
4 ☐ Automatic aid given
5 ☐ Other aid given
N ☒ None

Their FDID: ____ Their State: ____
Their Incident Number: ____

E1 Date & Times Midnight is 0000

Check boxes if dates are the same as Alarm Date.

	Month	Day	Year	Hr Min Sec
ALARM always required				
Alarm ★	05	13	2007	14:24:01
ARRIVAL required, unless canceled or did not arrive				
☐ Arrival ★	05	13	2007	14:34:02
CONTROLLED Optional, Except for wildland fires				
☐ Controlled				
LAST UNIT CLEARED, required except for wildland fires				
☐ Last Unit Cleared	05	13	2007	14:41:14

E2 Shift & Alarms

Local Option

Shift or Platoon: C Alarms: ____ District: 1

E3 Special Studies

Local Option

Special Study ID#: ____ Special Study Value: ____

F Actions Taken ★

86 Investigate
Primary Action Taken (1)

Additional Action Taken (2): ____

Additional Action Taken (3): ____

G1 Resources ★

☒ Check this box and skip this section if an Apparatus or Personnel form is used.

	Apparatus	Personnel
Suppression		
EMS		
Other	0003	0004

☐ Check box if resource counts include aid received resources.

G2 Estimated Dollar Losses & Values

LOSSES: Required for all fires if known. Optional for non fires.

				None
Property $		000	000	☐
Contents $		000	000	☐

PRE-INCIDENT VALUE: Optional

Property $		000	000	☐
Contents $		000	000	☐

Completed Modules

☐ Fire-2
☐ Structure-3
☐ Civil Fire Cas.-4
☐ Fire Serv. Cas.-5
☐ EMS-6
☐ HazMat-7
☐ Wildland Fire-8
☒ Apparatus-9
☒ Personnel-10
☐ Arson-11

H1 ★ Casualties ☐ None

	Deaths	Injuries
Fire Service		
Civilian		

H2 Detector

Required for Confined Fires.

1 ☐ Detector alerted occupants
2 ☐ Detector did not alert them
U ☐ Unknown

H3 Hazardous Materials Release

N ☐ None
1 ☐ Natural Gas: slow leak, no evacuation or HazMat actions
2 ☐ Propane gas: <21 lb. tank (as in home BBQ grill)
3 ☐ Gasoline: vehicle fuel tank or portable container
4 ☐ Kerosene: fuel burning equipment or portable storage
5 ☐ Diesel fuel/fuel oil: vehicle fuel tank or portable
6 ☐ Household solvents: home/office spill, cleanup only
7 ☐ Motor oil: from engine or portable container
8 ☐ Paint: from paint cans totaling < 55 gallons
0 ☐ Other: Special HazMat actions required or spill > 55gal., Please complete the HazMat form

I Mixed Use Property

NN ☐ Not Mixed
10 ☐ Assembly use
20 ☐ Education use
33 ☐ Medical use
40 ☐ Residential use
51 ☐ Row of stores
53 ☐ Enclosed mall
58 ☐ Bus. & Residential
59 ☐ Office use
60 ☐ Industrial use
63 ☐ Military use
65 ☐ Farm use
00 ☐ Other mixed use

J Property Use★ Structures

131 ☐ Church, place of worship
161 ☐ Restaurant or cafeteria
162 ☐ Bar/Tavern or nightclub
213 ☐ Elementary school or kindergarten
215 ☐ High school or junior high
241 ☐ College, adult education
311 ☐ Care facility for the aged
331 ☐ Hospital
341 ☐ Clinic,clinic type infirmary
342 ☐ Doctor/dentist office
361 ☐ Prison or jail, not juvenile
419 ☐ 1-or 2-family dwelling
429 ☐ Multi-family dwelling
439 ☐ Rooming/boarding house
449 ☐ Commercial hotel or motel
459 ☐ Residential, board and care
464 ☐ Dormitory/barracks
519 ☐ Food and beverage sales
539 ☐ Household goods,sales,repairs
579 ☐ Motor vehicle/boat sales/repair
571 ☐ Gas or service station
599 ☐ Business office
615 ☐ Electric generating plant
629 ☐ Laboratory/science lab
700 ☐ Manufacturing plant
819 ☐ Livestock/poultry storage(barn)
882 ☐ Non-residential parking garage
891 ☐ Warehouse

Outside

124 ☐ Playground or park
655 ☐ Crops or orchard
669 ☐ Forest (timberland)
807 ☐ Outdoor storage area
[illegible] ☐ Dump or sanitary landfill
931 ☐ Open land or field
936 ☐ Vacant lot
938 ☐ Graded/care for plot of land
946 ☐ Lake, river, stream
951 ☐ Railroad right of way
960 ☐ Other street
961 ☐ Highway/divided highway
962 ☐ Residential street/driveway
981 ☐ Construction site
984 ☐ Industrial plant yard

Lookup and enter a Property Use code only if you have NOT checked a Property Use box:

Property Use: 963

Street or road in commercial

NFIRS-1 Revision 03/11/99

K1 Person/Entity Involved

Local Option

Business name (if applicable) | Area Code - Phone Number

☐ Check This Box if same address as incident location. Then skip the three duplicate address lines.

Mr.,Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code -

☐ **More people involved? Check this box and attach Supplemental Forms (NFIRS-1S) as necessary**

K2 Owner

Local Option

☐ Same as person involved? Then check this box and skip The rest of this section.

Business name (if Applicable) | Area Code - Phone Number

☐ Check this box if same address as incident location. Then skip the three duplicate address lines.

Mr.,Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code -

L Remarks

Local Option

HZ1

Requested by haz99 to apply 1 gal. simple green and 15 gallons of water to storm sewer to dissolve 15 gallons of cooking oil. Sq-1 returned to service and to station one.

05/13/2007 21:46:03 JLUPER

L Authorization

Officer in charge ID	Signature	Position or rank	Assignment	Month	Day	Year
	Unknown Staff Member					

Check Box ☒ same as Officer in charge.

Member making report ID	Signature	Position or rank	Assignment	Month	Day	Year
	Unknown Staff Member					

A

FDID *	State *	MM Incident Date *	DD	YYYY	Station	Incident Number *	Exposure *
SG111	KS	05	24	2007	17	07-0017617	000

☐ Delete ☐ Change ☐ No Activity

NFIRS -1 Basic

B Location*

☐ Check this box to Indicate that the address for this incident is provided on the Wildland Fire Module In Section B "Alternative Location Specification". Use only for Wildland fires.

Census Tract ____ - ____

☒ Street address
☐ Intersection
☐ In front of
☐ Rear of
☐ Adjacent to
☐ Directions

Number/Milepost: 6350 | Prefix: W | Street or Highway: KELLOGG | Street Type: DR | Suffix: ____

Apt./Suite/Room: ____ | City: Wichita | State: KS | Zip Code: 67202 - ____

Cross street or directions, as applicable: ____

C Incident Type*

411 — Gasoline or other flammable

Incident Type

D Aid Given or Received*

1 ☐ Mutual aid received
2 ☐ Automatic aid recv.
3 ☐ Mutual aid given
4 ☐ Automatic aid given
5 ☐ Other aid given
N ☒ None

Their FDID: ____ Their State: ____
Their Incident Number: ____

E1 Date & Times

Midnight is 0000

Check boxes if dates are the same as Alarm Date.

	Month	Day	Year	Hr Min Sec
ALARM always required — Alarm *	05	24	2007	14:17:40
ARRIVAL required, unless canceled or did not arrive — ☐ Arrival *	05	24	2007	14:28:54
CONTROLLED Optional, Except for wildland fires — ☐ Controlled				
LAST UNIT CLEARED, required except for wildland fires — ☐ Last Unit Cleared	05	24	2007	15:20:14

E2 Shift & Alarms

Local Option

Shift or Platoon: B | Alarms: ____ | District: 2

E3 Special Studies

Local Option

Special Study ID#: ____ | Special Study Value: ____

F Actions Taken*

45 — Remove hazard

Primary Action Taken (1)

Additional Action Taken (2): ____

Additional Action Taken (3): ____

G1 Resources*

☒ Check this box and skip this section if an Apparatus or Personnel form is used.

	Apparatus	Personnel
Suppression		
EMS		
Other	0002	0004

☐ Check box if resource counts include aid received resources.

G2 Estimated Dollar Losses & Values

LOSSES: Required for all fires if known. Optional for non fires.

		None
Property	$ ____ , 000 , 000	☐
Contents	$ ____ , 000 , 000	☐

PRE-INCIDENT VALUE: Optional

Property	$ ____ , 000 , 000	☐
Contents	$ ____ , 000 , 000	☐

Completed Modules

☐ Fire-2
☐ Structure-3
☐ Civil Fire Cas.-4
☐ Fire Serv. Cas.-5
☐ EMS-6
☐ HazMat-7
☐ Wildland Fire-8
☒ Apparatus-9
☒ Personnel-10
☐ Arson-11

H1 Casualties* ☐ None

	Deaths	Injuries
Fire Service		
Civilian		

H2 Detector

Required for Confined Fires.

1 ☐ Detector alerted occupants
2 ☐ Detector did not alert them
U ☐ Unknown

H3 Hazardous Materials Release

N ☐ None
1 ☐ Natural Gas: slow leak, no evacuation or HazMat actions
2 ☐ Propane gas: <21 lb. tank (as in home BBQ grill)
3 ☐ Gasoline: vehicle fuel tank or portable container
4 ☐ Kerosene: fuel burning equipment or portable storage
5 ☐ Diesel fuel/fuel oil: vehicle fuel tank or portable
6 ☐ Household solvents: home/office spill, cleanup only
7 ☐ Motor oil: from engine or portable container
8 ☐ Paint: from paint cans totaling < 55 gallons
0 ☐ Other: Special HazMat actions required or spill > 55gal., Please complete the HazMat form

I Mixed Use Property

NN ☐ Not Mixed
10 ☐ Assembly use
20 ☐ Education use
33 ☐ Medical use
40 ☐ Residential use
51 ☐ Row of stores
53 ☐ Enclosed mall
58 ☐ Bus. & Residential
59 ☐ Office use
60 ☐ Industrial use
63 ☐ Military use
65 ☐ Farm use
00 ☐ Other mixed use

J Property Use* Structures

131 ☐ Church, place of worship
161 ☐ Restaurant or cafeteria
162 ☐ Bar/Tavern or nightclub
213 ☐ Elementary school or kindergarten
215 ☐ High school or junior high
241 ☐ College, adult education
311 ☐ Care facility for the aged
331 ☐ Hospital
341 ☐ Clinic,clinic type infirmary
342 ☐ Doctor/dentist office
361 ☐ Prison or jail, not juvenile
419 ☐ 1-or 2-family dwelling
429 ☐ Multi-family dwelling
439 ☐ Rooming/boarding house
449 ☐ Commercial hotel or motel
459 ☐ Residential, board and care
464 ☐ Dormitory/barracks
519 ☐ Food and beverage sales
539 ☐ Household goods,sales,repairs
579 ☐ Motor vehicle/boat sales/repair
571 ☐ Gas or service station
599 ☐ Business office
615 ☐ Electric generating plant
629 ☐ Laboratory/science lab
700 ☐ Manufacturing plant
819 ☐ Livestock/poultry storage(barn)
882 ☐ Non-residential parking garage
891 ☐ Warehouse

Outside

124 ☐ Playground or park
655 ☐ Crops or orchard
669 ☐ Forest (timberland)
807 ☐ Outdoor storage area
☐ Dump or sanitary landfill
931 ☐ Open land or field
936 ☐ Vacant lot
938 ☐ Graded/care for plot of land
946 ☐ Lake, river, stream
951 ☐ Railroad right of way
960 ☐ Other street
961 ☐ Highway/divided highway
962 ☐ Residential street/driveway
981 ☐ Construction site
984 ☐ Industrial plant yard

Lookup and enter a Property Use code only if you have NOT checked a Property Use box:

Property Use: 965 — Vehicle parking area

NFIRS-1 Revision 03/11/99

K1 Person/Entity Involved

Local Option

Business name (if applicable) | Area Code - Phone Number

☐ Check This Box if same address as incident location. Then skip the three duplicate address lines.

Mr.,Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code

☐ **More people involved? Check this box and attach Supplemental Forms (NFIRS-1S) as necessary**

K2 Owner

Local Option

☐ Same as person involved? Then check this box and skip The rest of this section.

Business name (if Applicable) | Area Code - Phone Number

☐ Check this box if same address as incident location. Then skip the three duplicate address lines.

Mr.,Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code

L Remarks

Local Option

HZ1

SQ17 arrived and found a car in the parking lot of McDonalds. The car had driven over a traffic sign that had already been knocked over and had broken above ground. The broken piece scraped the under carriage of the car and had put a large gash in the bottom of the gas tank. The driver drove to the parking lot, all the while leaking most of her gas. The gas in the street had evaporated by the time Q17 arrived. Approximatly 3 to 5 gallons had leaked from the car after the driver stopped. This gas had pooled to a low spot in the parking lot and mixed with the water that was already there. Q17 washed down the gasoline and returned to service.

L Authorization

Officer in charge ID	Signature	Position or rank	Assignment	Month	Day	Year
	Unknown Staff Member					

Check Box if Same as Officer in Charge. ☒

Member making report ID	Signature	Position or rank	Assignment	Month	Day	Year
	Unknown Staff Member					

A

FDID *	State *	Incident Date * MM	DD	YYYY	Station	Incident Number *	Exposure *
SG111	KS	07	21	2007	7	07-0025177	000

☐ Delete ☐ Change ☐ No Activity

NFIRS -1 Basic

B Location*

☐ Check this box to Indicate that the address for this incident is provided on the Wildland Fire Module In Section B "Alternative Location Specification". Use only for Wildland fires.

Census Tract ____ - ____

☐ Street address
☒ Intersection
☐ In front of
☐ Rear of
☐ Adjacent to
☐ Directions

Number/Milepost: ____ Prefix: W Street or Highway: 21ST Street Type: ST Suffix: N

Apt./Suite/Room: ____ City: Wichita State: KS Zip Code: 67204 - ____

Cross street or directions, as applicable: N COOLIDGE AV

C Incident Type *

411 Gasoline or other flammable
Incident Type

D Aid Given or Received*

1 ☐ Mutual aid received
2 ☐ Automatic aid recv.
3 ☐ Mutual aid given
4 ☐ Automatic aid given
5 ☐ Other aid given
N ☒ None

Their FDID: ____ Their State: ____
Their Incident Number: ____

E1 Date & Times

Midnight is 0000

Check boxes if dates are the same as Alarm Date.

	Month	Day	Year	Hr Min Sec
ALARM always required				
Alarm *	07	21	2007	14:56:24
ARRIVAL required, unless canceled or did not arrive				
☐ Arrival *	07	21	2007	14:58:23
CONTROLLED Optional, Except for wildland fires				
☐ Controlled				
LAST UNIT CLEARED, required except for wildland fires				
☐ Last Unit Cleared	07	21	2007	14:58:38

E2 Shift & Alarms

Local Option

Shift or Platoon: C Alarms: ____ District: 1

E3 Special Studies

Local Option

Special Study ID#: ____ Special Study Value: ____

F Actions Taken*

40 Hazardous condition,
Primary Action Taken (1)

Additional Action Taken (2): ____

Additional Action Taken (3): ____

G1 Resources*

☒ Check this box and skip this section if an Apparatus or Personnel form is used.

	Apparatus	Personnel
Suppression		
EMS		
Other	0001	0002

☐ Check box if resource counts include aid received resources.

G2 Estimated Dollar Losses & Values

LOSSES: Required for all fires if known. Optional for non fires.

				None
Property $	____	000	000	☐
Contents $	____	000	000	☐

PRE-INCIDENT VALUE: Optional

Property $	____	000	000	☐
Contents $	____	000	000	☐

Completed Modules

☐ Fire-2
☐ Structure-3
☐ Civil Fire Cas.-4
☐ Fire Serv. Cas.-5
☐ EMS-6
☐ HazMat-7
☐ Wildland Fire-8
☒ Apparatus-9
☒ Personnel-10
☐ Arson-11

H1 Casualties* ☐ None

	Deaths	Injuries
Fire Service		
Civilian		

H2 Detector

Required for Confined Fires.

1 ☐ Detector alerted occupants
2 ☐ Detector did not alert them
U ☐ Unknown

H3 Hazardous Materials Release

N ☐ None
1 ☐ Natural Gas: slow leak, no evacuation or HazMat actions
2 ☐ Propane gas: <21 lb. tank (as in home BBQ grill)
3 ☐ Gasoline: vehicle fuel tank or portable container
4 ☐ Kerosene: fuel burning equipment or portable storage
5 ☐ Diesel fuel/fuel oil: vehicle fuel tank or portable
6 ☐ Household solvents: home/office spill, cleanup only
7 ☐ Motor oil: from engine or portable container
8 ☐ Paint: from paint cans totaling < 55 gallons
0 ☐ Other: Special HazMat actions required or spill > 55gal., Please complete the HazMat form

I Mixed Use Property

NN ☐ Not Mixed
10 ☐ Assembly use
20 ☐ Education use
33 ☐ Medical use
40 ☐ Residential use
51 ☐ Row of stores
53 ☐ Enclosed mall
58 ☐ Bus. & Residential
59 ☐ Office use
60 ☐ Industrial use
63 ☐ Military use
65 ☐ Farm use
00 ☐ Other mixed use

J Property Use* Structures

131 ☐ Church, place of worship
161 ☐ Restaurant or cafeteria
162 ☐ Bar/Tavern or nightclub
213 ☐ Elementary school or kindergarten
215 ☐ High school or junior high
241 ☐ College, adult education
311 ☐ Care facility for the aged
331 ☐ Hospital
341 ☐ Clinic,clinic type infirmary
342 ☐ Doctor/dentist office
361 ☐ Prison or jail, not juvenile
419 ☐ 1-or 2-family dwelling
429 ☐ Multi-family dwelling
439 ☐ Rooming/boarding house
449 ☐ Commercial hotel or motel
459 ☐ Residential, board and care
464 ☐ Dormitory/barracks
519 ☐ Food and beverage sales
539 ☐ Household goods,sales,repairs
579 ☐ Motor vehicle/boat sales/repair
571 ☐ Gas or service station
599 ☐ Business office
615 ☐ Electric generating plant
629 ☐ Laboratory/science lab
700 ☐ Manufacturing plant
819 ☐ Livestock/poultry storage(barn)
882 ☐ Non-residential parking garage
891 ☐ Warehouse

Outside

124 ☐ Playground or park
655 ☐ Crops or orchard
669 ☐ Forest (timberland)
807 ☐ Outdoor storage area
[illegible] ☐ Dump or sanitary landfill
9[illegible] ☐ Open land or field
936 ☐ Vacant lot
938 ☐ Graded/care for plot of land
946 ☐ Lake, river, stream
951 ☐ Railroad right of way
960 ☐ Other street
961 ☐ Highway/divided highway
962 ☐ Residential street/driveway
981 ☐ Construction site
984 ☐ Industrial plant yard

Lookup and enter a Property Use code only if you have NOT checked a Property Use box:

Property Use 963

Street or road in commercial

NFIRS-1 Revision 03/11/99

K1. Person/Entity Involved
Local Option

Business name (if applicable) | Area Code - Phone Number

☐ Check This Box if same address as incident location. Then skip the three duplicate address lines.

Mr.,Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code

☐ **More people involved? Check this box and attach Supplemental Forms (NFIRS-1S) as necessary**

K2 Owner
Local Option

☐ Same as person involved? Then check this box and skip The rest of this section.

Business name (if Applicable) | Area Code - Phone Number

☐ Check this box if same address as incident location. Then skip the three duplicate address lines.

Mr.,Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code

L Remarks
Local Option

ASSTP

SQ7 WAS DISPATCHED TO ASSIST WPD WITH A GASOLINE SPILL FROM A 10-48. MOST OF THE FUEL HAD EVAPORATED. SQ7 USED BOOSTERLINE TO WASHDOWN THE AREA.

L Authorization

Officer in charge ID	Signature	Position or rank	Assignment	Month	Day	Year
	Unknown Staff Member					

Check Box if same as Officer in Charge. ☒

Member making report ID	Signature	Position or rank	Assignment	Month	Day	Year
	Unknown Staff Member					

A

FDID ★	State ★	MM Incident Date ★	DD	YYYY	Station	Incident Number ★	Exposure ★
SG111	KS	11	08	2007	16	07-0039417	000

☐ Delete ☐ Change ☐ No Activity

NFIRS -1 Basic

B Location★

☐ Check this box to Indicate that the address for this incident is provided on the Wildland Fire Module In Section B "Alternative Location Specification". Use only for Wildland fires.

Census Tract ____ - ____

☒ Street address
☐ Intersection
☐ In front of
☐ Rear of
☐ Adjacent to
☐ Directions

Number/Milepost: 7236 | Prefix: W | Street or Highway: 21ST | Street Type: ST | Suffix: N

Apt./Suite/Room: | City: Wichita | State: KS | Zip Code: 67202 -

Cross street or directions, as applicable

C Incident Type ★

411 — Gasoline or other flammable

Incident Type

D Aid Given or Received★

1 ☐ Mutual aid received
2 ☐ Automatic aid recv.
3 ☐ Mutual aid given
4 ☐ Automatic aid given
5 ☐ Other aid given
N ☒ None

Their FDID | Their State | Their Incident Number

E1 Date & Times

Midnight is 0000

Check boxes if dates are the same as Alarm Date.

	Month	Day	Year	Hr Min Sec
ALARM always required				
Alarm ★	11	08	2007	18:59:26
ARRIVAL required, unless canceled or did not arrive				
☐ Arrival ★	11	08	2007	19:04:15
CONTROLLED Optional, Except for wildland fires				
☐ Controlled				
LAST UNIT CLEARED, required except for wildland fires				
☐ Last Unit Cleared	11	08	2007	19:15:40

E2 Shift & Alarms

Local Option

Shift or Platoon: B | Alarms: | District: 1

E3 Special Studies

Local Option

Special Study ID# | Special Study Value

F Actions Taken ★

40 — Hazardous condition,

Primary Action Taken (1)

Additional Action Taken (2)

Additional Action Taken (3)

G1 Resources ★

☒ Check this box and skip this section if an Apparatus or Personnel form is used.

	Apparatus	Personnel
Suppression		
EMS		
Other	0002	0004

☐ Check box if resource counts include aid received resources.

G2 Estimated Dollar Losses & Values

LOSSES: Required for all fires if known. Optional for non fires.

				None
Property $		000	000	☐
Contents $		000	000	☐

PRE-INCIDENT VALUE: Optional

Property $		000	000	☐
Contents $		000	000	☐

Completed Modules

☐ Fire-2
☐ Structure-3
☐ Civil Fire Cas.-4
☐ Fire Serv. Cas.-5
☐ EMS-6
☐ HazMat-7
☐ Wildland Fire-8
☒ Apparatus-9
☒ Personnel-10
☐ Arson-11

H1★ Casualties ☐ None

	Deaths	Injuries
Fire Service		
Civilian		

H2 Detector

Required for Confined Fires.

1 ☐ Detector alerted occupants
2 ☐ Detector did not alert them
U ☐ Unknown

H3 Hazardous Materials Release

N ☐ None
1 ☐ Natural Gas: slow leak, no evacuation or HazMat actions
2 ☐ Propane gas: <21 lb. tank (as in home BBQ grill)
3 ☐ Gasoline: vehicle fuel tank or portable container
4 ☐ Kerosene: fuel burning equipment or portable storage
5 ☐ Diesel fuel/fuel oil: vehicle fuel tank or portable
6 ☐ Household solvents: home/office spill, cleanup only
7 ☐ Motor oil: from engine or portable container
8 ☐ Paint: from paint cans totaling < 55 gallons
0 ☐ Other: Special HazMat actions required or spill > 55gal., Please complete the HazMat form

I Mixed Use Property

NN ☐ Not Mixed
10 ☐ Assembly use
20 ☐ Education use
33 ☐ Medical use
40 ☐ Residential use
51 ☐ Row of stores
53 ☐ Enclosed mall
58 ☐ Bus. & Residential
59 ☐ Office use
60 ☐ Industrial use
63 ☐ Military use
65 ☐ Farm use
00 ☐ Other mixed use

J Property Use★

Structures

131 ☐ Church, place of worship
161 ☐ Restaurant or cafeteria
162 ☐ Bar/Tavern or nightclub
213 ☐ Elementary school or kindergarten
215 ☐ High school or junior high
241 ☐ College, adult education
311 ☐ Care facility for the aged
331 ☐ Hospital
341 ☐ Clinic,clinic type infirmary
342 ☐ Doctor/dentist office
361 ☐ Prison or jail, not juvenile
419 ☐ 1-or 2-family dwelling
429 ☐ Multi-family dwelling
439 ☐ Rooming/boarding house
449 ☐ Commercial hotel or motel
459 ☐ Residential, board and care
464 ☐ Dormitory/barracks
519 ☐ Food and beverage sales
539 ☐ Household goods,sales,repairs
579 ☐ Motor vehicle/boat sales/repair
571 ☒ Gas or service station
599 ☐ Business office
615 ☐ Electric generating plant
629 ☐ Laboratory/science lab
700 ☐ Manufacturing plant
819 ☐ Livestock/poultry storage(barn)
882 ☐ Non-residential parking garage
891 ☐ Warehouse

Outside

124 ☐ Playground or park
655 ☐ Crops or orchard
669 ☐ Forest (timberland)
807 ☐ Outdoor storage area
9[illegible] ☐ Dump or sanitary landfill
9[illegible] ☐ Open land or field
936 ☐ Vacant lot
938 ☐ Graded/care for plot of land
946 ☐ Lake, river, stream
951 ☐ Railroad right of way
960 ☐ Other street
961 ☐ Highway/divided highway
962 ☐ Residential street/driveway
981 ☐ Construction site
984 ☐ Industrial plant yard

Lookup and enter a Property Use code only if you have NOT checked a Property Use box:

Property Use: 571

Service station, gas station

NFIRS-1 Revision 03/11/99

K1 Person/Entity Involved

Local Option

Business name (if applicable) | Area Code - Phone Number

☐ Check This Box if same address as incident location. Then skip the three duplicate address lines.

Mr.,Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code

☐ **More people involved? Check this box and attach Supplemental Forms (NFIRS-1S) as necessary**

K2 Owner

Local Option

☐ Same as person involved? Then check this box and skip The rest of this section.

Business name (if Applicable) | Area Code - Phone Number

☐ Check this box if same address as incident location. Then skip the three duplicate address lines.

Mr.,Ms., Mrs. | First Name | MI | Last Name | Suffix

Number | Prefix | Street or Highway | Street Type | Suffix

Post Office Box | Apt./Suite/Room | City

State | Zip Code

L Remarks

Local Option

HZ1

E16 responded to a hazmat1 call. Upon arrival E16 found aprox. 5 gal. of gasoline that had been spill from a gas pump. The gas was not pooled and was soaked into the concrete. E16 wet the are down. No further action was needed or taken. E16 returned to service.

L Authorization

Officer in charge ID	Signature	Position or rank	Assignment	Month	Day	Year
367	BRADFIELD, ROBERT L	CAP	E16	11	14	2007

Member making report ID	Signature	Position or rank	Assignment	Month	Day	Year
405	DUNHAM, CHAD E	FF	E16	11	14	2007

Check Box if same as officer in charge.

APPENDIX I

Sanitary Sewer Overflow Summary

City of Wichita

2007

SANITARY SEWER BYPASSES

DATE	LOCATION	CAUSE	AMOUNT	WHERE IT WENT	CORRECTIVE ACTION
02/26/07	At Rear of 12330 W Nantucket	Pump Strainer in City line	Approx. 1900 Gal	On Ground around manhole	Opened stoppage, pumped over flow back into manhole, flushed area, Scheduled follow up.
04/23/07	1528 W 31st South	Grease & paper.	Approx. 15 Gal	Contained in street gutter.	Opened Stoppage, Pushed overflow back in man hole. Scheduled Follow up.
06/08/07	2200 S Rock rd	Paper.	Approx. 100 Gal	Contained in street gutter.	Opened Stoppage, Pushed overflow back in man hole. Scheduled Follow up.
06/30/07	At Rear of 3604 E. 13th	Paper.	Approx. 375 Gal	Washed away during rain event	opened stoppage Contained and picked up paper
07/09/07	At Rear of 3604 E. 13th	Over taxed during rain event	Approx. 100 Gal	Washed away during rain event	opened stoppage checked up & Down stream man holes.
07/25/07	S/E Corner of Central & Linden	Damaged by Excavator	Approx. 20 Gal	On Ground around Broken line	Repaired broken line.
08/20/07	3676 E Cessna	Roots, Grease, Rags, Paper & heavy Sludge	Approx. 75 Gal	On Ground around manhole	Opened stoppage, pumped over flow back into manhole, flushed area, Scheduled follow up.
08/21/07	10403 E. Country Side	Grease & Roots	Approx. 200 Gal	Contained in street gutter.	Vacuumed up over flow contained on street, opened stoppage.
10/09/07	2120 E Bellaire	Grease & paper.	Approx. 5 Gal	On Ground around manhole	Opened Stoppage, Pushed overflow back in man hole. Scheduled Follow up.
12/02/07	5010 E Pawnee	Grease & Roots	Unknown	Into yard of Property	Opened stoppage in City line

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

WASTEWATER BYPASS REPORT FORM

1. Facility Name: City of Wichita, Sewer Maint. Div
715 W Harry, Wichita KS 67213
(316) 268-4024
Permit No. M-AR94-1001

2. Within 24 Hours of Discovery, Notify the KDHE Central Office (telephone (785-296-5517) or fax (785-296-5509) or your KDHE local district office.

Date: 2-26-07 Time: 4:47 P.M. Person Contacted John Paul Goetz

3. KDHE Central Office written notification within 5 days of discovery.

Mail: Kansas Dept. of Health and Environment
Attn: Chris Seeds
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367

4. Date Bypass Started 2/26/2007 Time: 12:05 A.M.

5. Date Bypass Ended 2/26/2007 Time: 4:13 A.M.

6. Approximate Number Gallons Bypassed: 1900 gallons

7. Bypass Locations: (i.e. Lift Station, Plant Bypass, Manhole) Manhole 4649-113 at rear of 12330 W. Nantucket.

8. Cause of Bypass: Pump strainer in City sewer line.

9. Corrective Action, if any: Removed strainer. Pumped standing overflow back into manhole. Washed overflow area down with clean water, then pumped standing clean water into manhole.

Name: Joe Botinelly

Title: Sewer Maint. Superintendent

Date: February 28, 2007
XC: John Paul Goetz, KDHE
David Warren, Water Utilities Dir
Kay Johnson, Environ Health Dir
Becky Gagnon, Pretreatment Admin
Doug Arvidson, Stormwater Supv
File

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

WASTEWATER BYPASS REPORT FORM

1. Facility Name: City of Wichita, Sewer Maint. Div
715 W Harry, Wichita KS 67213
(316) 268-4024
Permit No. M-AR94-1001

2. Within 24 Hours of Discovery, Notify the KDHE Central Office (telephone (785-296-5517) or fax (785-296-5509) or your KDHE local district office.

Date: 4-23-07 Time: 1:43 P.M. Person Contacted John Paul Goetz

3. KDHE Central Office written notification within 5 days of discovery.

Mail: Kansas Dept. of Health and Environment
Attn: Chris Seeds
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367

4. Date Bypass Started 4/21/2007 Time: 12:52 P.M.

5. Date Bypass Ended 4/21/2007 Time: 1:45 P.M.

6. Approximate Number Gallons Bypassed: 15 gallons

7. Bypass Locations: (i.e. Lift Station, Plant Bypass, Manhole) Bypass from manhole 5344-171 at 1528 West 31st Street South.

8. Cause of Bypass: Paper and grease stoppage on city sewer.

9. Corrective Action, if any: Opened stoppage, pushed overflow back into manhole. Will schedule city sewer for cleaning and televising. Follow-up with any corrective action found during televising inspection.

Name: Joe Botinelly

Title: Sewer Maint. Superintendent

Date: April 23, 2007
XC: John Paul Goetz, KDHE
David Warren, Water Utilities Dir
Kay Johnson, Environ Health Dir
Becky Gagnon, Pretreatment Admin
Doug Arvidson, Stormwater Supv
File

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

WASTEWATER BYPASS REPORT FORM

1. Facility Name: City of Wichita, Sewer Maint. Div
715 W Harry, Wichita KS 67213
(316) 268-4024
Permit No. M-AR94-1001

2. Within 24 Hours of Discovery, Notify the KDHE Central Office (telephone (785-296-5517) or fax (785-296-5509) or your KDHE local district office.

Date: 6-08-07 Time: 10:15 P.M. Person Contacted John Paul Goetz

3. KDHE Central Office written notification within 5 days of discovery.

Mail: Kansas Dept. of Health and Environment
Attn: Chris Seeds
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367

4. Date Bypass Started 6/08/2007 Time: 7:00 P.M.

5. Date Bypass Ended 6/08/2007 Time: 7:45 P.M.

6. Approximate Number Gallons Bypassed: 100 gallons

7. Bypass Locations: (i.e. Lift Station, Plant Bypass, Manhole) 2200 S. Rock Rd. Cherry Hills Apartments. Discharge from private sump pump into creek.

8. Cause of Bypass: Paper stoppage on city sewer line segment 6045-126 to 6045-125.

9. Corrective Action, if any: Opened stoppage in main, washed down curb and Rock Rd. street parking. Clean and televise sewer, repair any defects found.

Name: Joe Botinelly

Title: Sewer Maint. Superintendent

Date: June 11, 2007
XC: John Paul Goetz, KDHE
David Warren, Utilities Dir
Kay Johnson, Environ Health Dir
Becky Gagnon, Pretreatment Admin
Doug Arvidson, Stormwater Supv
File

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

WASTEWATER BYPASS REPORT FORM

1. Facility Name: City of Wichita, Sewer Maint. Div
715 W Harry, Wichita KS 67213
(316) 268-4024
Permit No. M-AR94-1001

2. Within 24 Hours of Discovery, Notify the KDHE Central Office (telephone (785-296-5517) or fax (785-296-5509) or your KDHE local district office.

Date: 6-30-07 Time: 1:30 P.M. Person Contacted John Paul Goetz

3. KDHE Central Office written notification within 5 days of discovery.

Mail: Kansas Dept. of Health and Environment
Attn: Chris Seeds
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367

4. Date Bypass Started 6/30/2007 Time: 10:46 A.M.

5. Date Bypass Ended 6/30/2007 Time: 1:00 P.M.

6. Approximate Number Gallons Bypassed: 375 gallons

7. Bypass Locations: (i.e. Lift Station, Plant Bypass, Manhole) Manhole #5749-230, behind 3604 E. 13th.

8. Cause of Bypass: Over taxing during rain event.

9. Corrective Action, if any: Contained and picked up paper – No solids were present.

Name: Joe Botinelly

Title: Sewer Maint. Superintendent

Date: July 09, 2007
XC: John Paul Goetz, KDHE
David Warren, Water Utilities Dir
Kay Johnson, Environ Service Dir
Becky Gagnon, Pretreatment Admin
Doug Arvidson, Stormwater Supv
File

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

WASTEWATER BYPASS REPORT FORM

1. Facility Name: City of Wichita, Sewer Maint. Div
715 W Harry, Wichita KS 67213
(316) 268-4024
Permit No. M-AR94-1001

2. Within 24 Hours of Discovery, Notify the KDHE Central Office (telephone (785-296-5517) or fax (785-296-5509) or your KDHE local district office.

Date: 08/17/2007 Time: 3:55 P.M. Person Contacted John Paul Goetz

3. KDHE Central Office written notification within 5 days of discovery.

Mail: Kansas Dept. of Health and Environment
Attn: Chris Seeds
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367

4. Date Bypass Started 7/09/2007 Time: 09:00 P.M.

5. Date Bypass Ended 7/09/2007 Time: 11:00 P.M.

6. Approximate Number Gallons Bypassed: 100 gallons

7. Bypass Locations: (i.e. Lift Station, Plant Bypass, Manhole) Manhole #5749-230, behind 3604 E. 13th.

8. Cause of Bypass: Over taxing during rain event.

9. Corrective Action, if any: Contained -- Checked downstream & upstream manholes also.

Name: Joe Botinelly

Title: Sewer Maint. Superintendent

Date: July 09, 2007
XC: John Paul Goetz, KDHE
David Warren, Water Utilities Dir
Kay Johnson, Environ Service Dir
Becky Gagnon, Pretreatment Admin
Doug Arvidson, Stormwater Supv
File

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

WASTEWATER BYPASS REPORT FORM

1. Facility Name: City of Wichita, Sewer Maint. Div
715 W Harry, Wichita KS 67213
(316) 268-4024
Permit No. M-AR94-1001

2. Within 24 Hours of Discovery, Notify the KDHE Central Office (telephone (785-296-5517) or fax (785-296-5509) or your KDHE local district office.

Date: 07-25-2007 Time: 2:15 P.M. Person Contacted John Paul Goetz

3. KDHE Central Office written notification within 5 days of discovery.

Mail: Kansas Dept. of Health and Environment
Attn: Chris Seeds
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367

4. Date Bypass Started 7/25/2007 Time: 2:00 P.M.

5. Date Bypass Ended 7/25/2007 Time: 3:00 P.M.

6. Approximate Number Gallons Bypassed: 20allons

7. Bypass Locations: (i.e. Lift Station, Plant Bypass, Manhole) Broken 8" pipe at SE corner of Central & Linden streets.

8. Cause of Bypass: Damage by excavator.

9. Corrective Action, if any: Repaired pipe. Stormwater Specialist determined no further action was needed.

Name: Joe Botinelly

Title: Sewer Maint. Superintendent

Date: July 31, 2007
XC: John Paul Goetz, KDHE
David Warren, Water Utilities Dir
Kay Johnson, Environ Service Dir
Becky Gagnon, Pretreatment Admin
Doug Arvidson, Stormwater Supv
File

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

WASTEWATER BYPASS REPORT FORM

1. Facility Name: City of Wichita, Sewer Maint. Div
715 W Harry, Wichita KS 67213
(316) 268-4024
Permit No. M-AR94-1001

2. Within 24 Hours of Discovery, Notify the KDHE Central Office (telephone (785-296-5517) or fax (785-296-5509) or your KDHE local district office.

Date: 08-21-2007 Time: 7:46A.M. Person Contacted John Paul Goetz

3. KDHE Central Office written notification within 5 days of discovery.

Mail: Kansas Dept. of Health and Environment
Attn: Chris Seeds
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367

4. Date Bypass Started 8/20/2007 Time: 12:38 P.M.

5. Date Bypass Ended 8/20/2007 Time: 2:00 P.M.

6. Approximate Number Gallons Bypassed: 75 Gallons

7. Bypass Locations: (i.e. Lift Station, Plant (Bypass, Manhole) Private clean out of 3676 E. Cessna.

8. Cause of Bypass: Root, grease, rags, paper & heavy sludge stoppage on city sewer between manholes 5744-345S and 5744-344.

9. Corrective Action, if any: Opened stoppage, flushed over flow to manhole 5744-345S. Schedule for cleaning and check for defeats.

Name: Joe Botinelly

Title: Sewer Maint. Superintendent

Date: August 21, 2007
XC: John Paul Goetz, KDHE
David Warren, Water Utilities Dir
Kay Johnson, Environ Service Dir
Becky Gagnon, Pretreatment Admin
Doug Arvidson, Stormwater Supv
File

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

WASTEWATER BYPASS REPORT FORM

1. Facility Name: City of Wichita, Sewer Maint. Div
715 W Harry, Wichita KS 67213
(316) 268-4024
Permit No. M-AR94-1001

2. Within 24 Hours of Discovery, Notify the KDHE Central Office (telephone (785-296-5517) or fax (785-296-5509) or your KDHE local district office.

Date: 08-21-2007 Time: 7:49 A.M. Person Contacted John Paul Goetz

3. KDHE Central Office written notification within 5 days of discovery.

Mail: Kansas Dept. of Health and Environment
Attn: Chris Seeds
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367

4. Date Bypass Started 8/20/2007 Time: 12:56 P.M.

5. Date Bypass Ended 8/20/2007 Time: 3:00 P.M.

6. Approximate Number Gallons Bypassed: 200 Gallons

7. Bypass Locations: (i.e. Lift Station, Plant Bypass, Manhole) Sump pump discharge from property at 10403 E. Country Side.

8. Cause of Bypass: Grease and root stoppage on city sewer between manhole 6145-040 and manhole 6145-039.

9. Corrective Action, if any: Opened stoppage, flushed over flow to manhole 6145-040. Vacuumed over flow that could be continued in street gutter. Will schedule for cleaning and televising. Will repair any defects found.

Name: Joe Botinelly

Title: Sewer Maint. Superintendent

Date: August 21, 2007
XC: John Paul Goetz, KDHE
David Warren, Water Utilities Dir
Kay Johnson, Environ Service Dir
Becky Gagnon, Pretreatment Admin
Doug Arvidson, Stormwater Supv
File

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

WASTEWATER BYPASS REPORT FORM

1. Facility Name: City of Wichita, Sewer Maint. Div
715 W Harry, Wichita KS 67213
(316) 268-4024
Permit No. M-AR94-1001

2. Within 24 Hours of Discovery, Notify the KDHE Central Office (telephone (785-296-5517) or fax (785-296-5509) or your KDHE local district office.

Date: 10-09-2007 Time: 8:25 A.M. Person Contacted John Paul Goetz

3. KDHE Central Office written notification within 5 days of discovery.

Mail: Kansas Dept. of Health and Environment
Attn: Chris Seeds
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367

4. Date Bypass Started 10/06/2007 Time: 1:34 P.M.

5. Date Bypass Ended 10/06/2007 Time: 2:27 P.M.

6. Approximate Number Gallons Bypassed: 5 Gallons

7. Bypass Locations: (i.e. Lift Station, Plant Bypass, Manhole) Private sewer line of 2120 East Bellaire.

8. Cause of Bypass: Stoppage on city line, backed up private sewer of 2120 E. Bellaire.

9. Corrective Action, if any: Opened stoppage, raked sewage to city manhole. Will schedule city sewer for cleaning and televising.

Name: Joe Botinelly

Title: Sewer Maint. Superintendent

Date: October 9, 2007
XC: John Paul Goetz, KDHE
David Warren, Water Utilities Dir
Kay Johnson, Environ Service Dir
Becky Gagnon, Pretreatment Admin
Doug Arvidson, Stormwater Supv
File

EVKANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

WASTEWATER BYPASS REPORT FORM

1. Facility Name: City of Wichita, Sewer Maint. Div. Permit No. M-AR94-1001
715 W. Harry, Wichita, KS 67213
Telephone (316) 268-4024

2. Within 24 Hours of Discovery, Notify the KDHE Central Office (telephone (785-296-5517) or fax (785-296-5509) or your KDHE local district office.

Date: 12-02-07 Time: 6:37P.M. Person Contacted John Paul Goetz

3. KDHE Central Office written notification within 5 days of discovery.

Mail: Kansas Dept. of Health and Environment
Attn: Chris Seeds
1000 SW Jackson St., Suite 420
Topeka, KS 66612-1367

4. Date Bypass Started 12-02-07
5. Date Bypass Ended 12-02-07

6. Approximate Number Gallons Bypassed:
Sump pump of 5010 E. Pawnee is connected to properties sewer.
Pump may have discharged 30,000 gals of ground water. Amount of sewage with with ground water is unknown.

7. Bypass Locations: (i.e. Lift Station, Plant Bypass, Manhole)
At homes cleanout, cap broken, 5010 E. Pawnee, by-pass flowed into yard of property.

8. Cause of Bypass:
Grease and root blockage on city line segment 5845-404 to 5845-403.

9. Corrective Action, if any:
Broke open stoppage at 11:15 hrs on 12-02-07. Will schedule for cleaning, televising & repair any defects found.

Name: Bill Perkins
Title: Sewer Maintenance Superintendent
Phone # (316) 268-4024

Date: December 02, 2007
XC: John Paul Goetz, KDHE
David Warren, Water & Sewer Dir
Kay Johnson, Environ Health Dir
Becky Gagnon, Pretreatment Admin
Doug Arvidson, Stormwater Supv
File

APPENDIX J

Stormwater Testing Results

City of Wichita

2007

Appendix J

Lab Results 2007 Storm Events

City of Wichita
by Sample Site

Site	Date	pH	Temperature (C)	Fecal coliform	Fecal strep
Huntington	3/20/2007	7.78	12.3	364	5,700
Huntington	6/13/2007	8.17	21.9	34,000	45,000
Huntington	10/2/2007	7.84	22.7	1,732.9	
Upstream Towne East	3/20/2007	7.47	12.3	2400	6909
Upstream Towne East	6/13/2007	7.21	22.5	12,000	27,000
Towne East	3/20/2007	6.97	10.6	4,500	47,000
Towne East	6/13/2007	8.14	23.6	1,727	21,000
Towne East	10/2/2007	7.73	23.4	>2419.2	
Upstream McLean	3/20/2007	7.4	12.8	636	12,636
Upstream McLean	6/13/2007	8.27	23.3	22,909	128,000
McLean	3/20/2007	7.61	12.9	6,727	474,000
McLean	6/13/2007	7.82	22.1	6,182	93,000
McLean	10/2/2007	8.86	23.7	>2419.2	
Broadway	3/20/2007	7.98	13.2	91	30,000
Broadway	6/13/2007	7.98	23.4	32,000	33,000
Broadway	10/2/2007	7.29	22.2	>2419.2	
Ind.1 Rusty Eck	10/2/2007	7.95	23.1	20.1	
Ind. 2 Kellogg Expwy	10/2/2007	7.62	21.8	2,419.2	

Lab Results 2007 Storm Events

by Storm Event

Site	Date	pH	Temperature (C)	Fecal coliform	Fecal strep
Huntington	3/20/2007	7.78	12.3	364	5,700
Upstream Towne East	3/20/2007	7.47	12.3	2400	6909
Towne East	3/20/2007	6.97	10.6	4,500	47,000
Upstream McLean	3/20/2007	7.4	12.8	636	12,636
McLean	3/20/2007	7.61	12.9	6,727	474,000
Broadway	3/20/2007	7.98	13.2	91	30,000
Huntington	6/13/2007	8.17	21.9	34,000	45,000
Upstream Towne East	6/13/2007	7.21	22.5	12,000	27,000
Towne East	6/13/2007	8.14	23.6	1,727	21,000
Upstream McLean	6/13/2007	8.27	23.3	22,909	128,000
McLean	6/13/2007	7.82	22.1	6,182	93,000
Broadway	6/13/2007	7.98	23.4	32,000	33,000
				E. coli	
Huntington	10/2/2007	7.84	22.7	1,732.9	
Towne East	10/2/2007	7.73	23.4	>2419.2	
McLean	10/2/2007	8.86	23.7	>2419.2	
Broadway	10/2/2007	7.29	22.2	>2419.2	
Ind.1 Rusty Eck	10/2/2007	7.95	23.1	20.1	
Ind. 2 Kellogg Expwy	10/2/2007	7.62	21.8	2,419.2	

APPENDIX K

Stormwater Testing Event
for
Non-Event Sampling

City of Wichita

2007

Sampling locations for 2007 are as follows:

Big Arkansas River:
Big@ Mt. Hope- Big Arkansas River @ Mt. Hope
K-96- Big Arkansas River @ K-96 Highway. Discontinued in 1998.
Big Ark- Big Arkansas River @ 53rd Street North.
Big Ark @ Seneca- Big Arkansas River @ Seneca upstream of confluence with the Little Ark.
Hydraulic- South Hydraulic @ the Arkansas River.
MacArthur- MacArthur @ the Arkansas River. Discontinued in 1998.
47th- 47th Street South @ the Arkansas River.
63rd- 63rd Street South @ the Arkansas River.
Derby- 81st Street South @ the Arkansas River.
Mulvane- Highway 53 @ the Arkansas River. Discontinued in 1998.

Little Arkansas River:
HCAM-Alta Mills Harvey Co.
HC12N-12th St. North Harvey Co.
HC48S-48th St. South Harvey Co.
HCEC--Emma Creek Harvey Co.
LA109-109th St. North Sedgwick Co
LA55W-55th St. West Sedgwick Co.
LA81N-81st St. North Sedgwick Co.
LA69N-69th St. North Sedgwick Co.
LA29N-29th St. North Sedgwick Co.
LilSgHvLine- Little Ark @ Sedgwick/Harvey County Line
Lil@VC- Little Ark @ Main St. Valley Center
Little Ark- Little Arkansas River @ 53rd Street North.
Little Ark @ Central - Little Arkansas River @ Central upstream of confluence with Big Ark.

Tributaries
Cowskin @ 135th- Cowskin @ 135th St. West
Upper Cowskin- Cowskin @ 37th Street North.
Lower Cowskin- Cowskin Creek @ 39th South (MacArthur)
North Floodway- Wichita/Valley Center Floodway @ Central.
North Slough- Big Slough North @ Central.
South Floodway- Wichita/Valley Center Floodway @ Hydraulic.
South Slough- Big Slough South @ Hydraulic.
Canal@ Pawnee- Canal @ Pawnee St.
Gyp/Dry- Downstream of Gypsum/Dry Creek confluence, at Hillside.

4 Mile @ Lincoln- Upstream of 4 Mile Creek Treatment Plant.
4 Mile @ Harry- Just downstream of 4 Mile Creek Treatment Plant effluent.
4 Mile @ Andover Rd.- Downstream of 4 Mile Creek Treatment Plant @ Andover Rd.

FM@AndRd
4 Mile Creek- Downstream
2007

Date	Jul	Time	DO	pH	Temp	Cond	Phos	Nitrates
1/18/07	18	10:35	8.64	7.07	5.4	1.32	6.35	.59
2/21/07	52	10:40	8.95	7.20	8.2	1.71	.110	1.51
3/15/07	74	13:30	7.51	7.18	13.1	1.78	.144	1.60
4/11/07	101	9:55	9.21	7.87	10.6	1.51	.084	.784
5/22/07	142	13:45	6.55	7.51	19.9	1.60		

Ammonia	Fecal coliform	Escherichia coli	Fecal strep	TSS
8.16	1180			
	28			
.071	92	84.2		
.047	200	160.7		
	360	162.4		

FM@Lncln

4 Mile Creek Upstream @ Lincoln

2007

Date	Jul	Time	DO	pH	Temp	Cond	Phos	Nitrates
1/18/07	18	10:15	13.42	7.42	2.8	1.41	.022	.211
2/21/07	52	10:25	13.03	7.48	6.2	1.53	.050	.191
3/15/07	74	13:05	10.84	7.96	13.3	2.19	.050	.414
4/11/07	101	9:40	10.10	7.64	9.7	1.79	.000	.175
5/22/07	142	13:25	7.45	7.60	21.1	1.90		

Ammonia	Fecal coliform	Escherichia coli	Fecal strep
.057	9		
	5		
.022	8	5.2	
.034	55	62.4	
	400	275.5	

Derby 2007

Date	Julian	Time	DO	pH	Temp	Cond	Phos
1/11/2007	11	12:35	10.97	7.63	11.0	1.61	0.485
2/8/2007	39	13:30	12.33	7.08	4.0	1.02	0.954
3/12/2007	71	12:10	9.62	7.18	12.7	1.98	0.47
4/5/2007	95	14:35	9.69	7.36	10.9	0.57	0.5
5/10/2007	130	13:15	6.68	7.51	22.1	0.26	
5/17/2007							

Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
2.7	0.103	245		
7.8	0.238	135	260.2	
4.76	0.201	68	54.6	
0.61	0.046	1618		
		600		
			648.8	

Cow@135W
Cowskin @ 135th West
2007

Date	Julian	Time	DO	pH	Temp	Cond	Phos	CAS Nitrates	Fred Nitrite	CAS TKN	Ammonia
1/11/07	11	10:50	10.86	8.23	6.3	1.05	0.188	1.53	0.024	xx	0.09
2/8/07	39	8:55	10.39	7.2	0.3	1.22	0.765	1.5	0.047	4.00	0.527
3/12/07	71	10:25	6.19	7.72	12.1	0.92	0.254	0.75	0.029	xx	0.211
4/5/07	95	12:35	6.68	7.61	10.3	0.41	0.515	0.81	0.08	3	0.362
5/10/07	130	9:00	6.54	7.43	21.4	0.25		0.56		2	

Fecal coliform	Escherichia coli	TSS	MDL =	0.0025 Antimony	0.001 Arsenic	Beryllium	.005 mg/L Cadmium	5 mg/L Chloride	xx = <MDL .008 mg/L Chromium
240		32.3		xx		xx	xx	87.6	xx
780	980.4	194		xx		xx	xx	35.3	0.013
96	209.8	60.6		xx		xx	xx	87.2	xx
2400		264		xx		xx	xx	40	0.013
3300	2202.72			xx		xx	xx	15	xx

.005 mg/L Copper	0.033 Lead	0.0001 Mercury	.015 mg/L Nickel	0.002 Selenium	.010 mg/L Silver	5 mg/L Sulfate	0.0017 Thallium	.005 mg/L Zinc
xx	xx	xx		xx	xx	70.7	xx	0.036
xx	0.009	xx		xx	xx	17	xx	0.043
xx	xx	xx		xx	xx	80	xx	xx
0.03	0.011	xx		xx	xx	24.6	xx	0.056
xx	0.006	xx		xx	xx	13.8	xx	0.039

63rd Street 2007

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates
1/11/2007	11	12:50	10.43	7.51	11.8	1.59	0.254	2.05
2/8/2007	39	13:50	13.18	7.29	3.3	1.05	0.649	5.21
3/12/2007	71	12:25	9.95	7.53	12.6	1.99	0.432	2.63
4/5/2007	95	14:50	9.65	7.41	10.5	0.57	0.391	0.481
5/10/2007	130	13:30	6.57	7.58	23.1	0.25		
5/17/2007								

CAS TKN	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
	0.111	312		
	0.192	64	42.6	
	0.078	88	60.1	
	0.051	1855		
		773		
			1046.24	

47th Street 2007

Date	Julian	Time	DO	pH	Temp	Cond	Phos
1/11/2007	11	12:15	10.26	7.71	9.4	1.41	0.287
2/8/2007	39	14:05	14.29	7.76	2.1	1.06	0.208
3/12/2007	71	11:50	9.96	7.76	12.2	2.03	0.209
4/5/2007	95	14:15	9.51	7.36	11	0.57	0.34
4/11/2007				Bacti only			
4/18/2007				Bacti only			
5/3/2007	123						
5/10/2007	130	12:50	7.27	7.03	22.4	0.25	
5/16/2007							
5/17/2007							
5/22/2007	142	14:00		Bacti only			

Date	Julian	Time	DO	pH	Temp	Cond	Phos

Nitrites	CAS Nitrates	CAS TKN	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
0.011	1.16	xx	0.118	190		
0.022	1.85	xx	0.181	13	13.5	
0.009	1.55	xx	0.064	44	79.4	
0.496	0.54	xx	0.057	2100	1119.85	
				240	238.2	
				200	307.6	
				100	155.3	
	0.4	xx		480		
					416	
				1282	1119.85	
				280	161.6	

Nitrites	CAS Nitrates	CAS TKN	Ammonia	Fecal coliform	Escherichia coli	Fecal strep

Cow@39S
Lower Cowskin 2007
@ MacArthur

Date	Julian	Time	DO	pH	Temp	Cond	Phos
1/11/07	11	11:40	10.49	8.07	8.2	1.06	0.281
2/8/07	39	9:45	11.44	7.46	1.9	1.01	0.55
3/12/07	71	11:15	8.98	7.52	12	0.61	0.337
4/5/07	95	13:30	7.39	7.58	11.9	0.45	0.562
5/10/07	130	9:55	7.29	7.53	21.8	0.27	

CAS Nitrates	Fred Nitrite	CAS TKN	Ammonia	Fecal coliform	Escherichia coli	TSS	MDL =
1	0.034	xx	0.105	40		30.2	
1.45	0.039	3	0.815	300	547.5	103	
1.36	0.04	xx	0.336	120	101.4	43.7	
0.94	0.088	2	0.35	2100		194	
0.53		2		3500	2419.17		

xx = <MDL

0.0025 Antimony	0.001 Arsenic	.004 mg/L Beryllium	.005 mg/L Cadmium	5 mg/L Chloride	.008 mg/L Chromium	.005 mg/L Copper	0.033 Lead
xx		xx	xx	101	xx	xx	xx
xx		xx	xx	99.8	xx	xx	xx
xx		xx	xx	55	xx	xx	xx
xx		xx	xx	44	0.011	0.022	0.009
xx		xx	xx	16.8	0.011	xx	0.007

0.0001 Mercury	.015 mg/L Nickel	0.002 Selenium	.010 mg/L Silver	5 mg/L Sulfate	0.0017 Thallium	.005 mg/L Zinc
xx		xx	xx	63.6	xx	xx
xx		xx	xx	50.5	xx	0.032
xx		xx	xx	39.1	xx	xx
xx		xx	xx	25.4	xx	0.043
xx		xx	xx	14.6	xx	0.04

Cow@37N
Upper Cowskin 2007
@ 37th North

Date	Julian	Time	DO	pH	Temp	Cond	Phos
1/11/07	11	11:10	9.39	7.97	6.7	1.19	0.591
2/8/07	39	9:10	9.92	7.31	0.8	0.93	0.703
3/12/07	71	10:40	5.17	7.73	12.2	1	0.362
4/5/07	95	12:50	7.16	7.52	10.4	0.43	0.394
5/10/07	130	9:20	6.01	7.47	21.6	0.27	

CAS Nitrates	Fred Nitrite	CAS TKN	Ammonia	Fecal coliform	Escherichia coli	TSS	MDL =
2.42	0.095	xx	0.211	36		35.7	
1.6	0.046	4	0.843	480	866.4	57.4	
1.1	0.06	xx	0.413	24	21.6	47	
1.01	0.085	3	0.328	2200		154	
0.54		2		3400	2419.7		

xx = <MDL

0.0025 Antimony	0.001 Arsenic	0.004 Beryllium	.005 mg/L Cadmium	5 mg/L Chloride	.008 mg/L Chromium	.005 mg/L Copper	0.033 Lead
xx		xx	xx	130	xx	xx	xx
xx		xx	xx	41	0.013	xx	xx
xx		xx	xx	122	xx	xx	xx
xx		xx	xx	46.2	xx	xx	0.007
xx		xx	xx	17.3	0.011	xx	xx

0.0001 Mercury	.015 mg/L Nickel	0.002 Selenium	.010 mg/L Silver	5 mg/L Sulfate	0.0017 Thallium	.005 mg/L Zinc
xx		xx	xx	77	xx	0.039
xx		xx	xx	19	xx	0.03
xx		xx	xx	81.5	xx	0.028
xx		xx	xx	25.6	xx	0.046
xx		xx	xx	14.8	xx	0.033

FM@Harry
4 Mile Creek Harry
2007

Date	Jul	Time	DO	pH	Temp	Cond	Phos	Nitrates
1/18/07	18	10:25	9.75	7.19	12.3	1.24	.417	1.7
2/21/07	52	10:35	9.61	7.06	12.4	1.32	.137	2.44
3/15/07	74	13:15	9.46	7.17	15.2	1.42	.178	2.83
4/11/07	101	9:50	9.51	7.72	12.5	1.41	.147	2.28
5/22/07	142	13:35	7.88	7.65	19.5	1.47		

Ammonia	Fecal coliform	Escherichia coli	Fecal strep
5.19	145		
	88		
.039	60	83.6	
.035	100	272.3	
	100	98.8	

2nd Monthly Plant Samples
2007

Site	Date	Jul	Time	DO	pH	Temp
FM @ And Rd.	1/29/2007	29	10:20	9.89	7	5.2
FM @ Lincoln	1/29/2007	29	10:10	12.45	7.03	2.4
Cow @ 135W	1/24/2007	24	15:50	11.34	7.51	2.1
Cow @ 37N	1/24/2007	24	16:00	9.59	7.68	3.4
FM @ And Rd.	2/27/2007	58	9:55	10.53	7.6	14.4
FM @ Lincoln	2/27/2007	58	9:40	11.92	7.62	13.1
Cow @ 135W	2/26/2007	57	14:20	8.62	7.14	12.6
Cow @ 37N	2/26/2007	57	14:35	9.21	7.22	13.2
FM @ And Rd.	3/24/2007	83	15:30	8.29	7.69	19.1
FM @ Lincoln	3/24/2007	83	15:15	8.62	7.35	20.5
Cow @ 135W	3/25/2007	84	16:05	6.57	7.41	20.1
Cow @ 37N	3/25/2007	84	16:10	6.21	7.46	20.4
FM @ And Rd.	4/19/2007	109	10:15	8.03	7.29	15.4
FM @ Lincoln	4/19/2007	109	10:05	9.41	7.34	15.3
Cow @ 135W	4/18/2007	108	15:20	8.11	7.25	19.2
Cow @ 37N	4/18/2007	108	15:30	7.9	7.48	18.6
FM @ And Rd.	5/16/2007	136	12:50	7.73	7.85	19.6
FM @ Lincoln	5/16/2007	136	12:40	7.97	7.87	21.7
Cow @ 135W	5/16/2007	136	11:55	4.24	7.01	21.2
Cow @ 37N	5/16/2007	136	12:00	4.05	7.01	18.5
FM @ And Rd.						
FM @ Lincoln						
Cow @ 135W						
Cow @ 37N						
FM @ And Rd.						
FM @ Lincoln						
Cow @ 135W						
Cow @ 37N						
FM @ And Rd.						
FM @ Lincoln						
Cow @ 135W						
Cow @ 37N						
FM @ And Rd.						

FM @ Lincoln
Cow @ 135W
Cow @ 37N

FM @ And Rd.
FM @ Lincoln
Cow @ 135W
Cow @ 37N

FM @ And Rd.
FM @ Lincoln
Cow @ 135W
Cow @ 37N

FM @ And Rd.
FM @ Lincoln
Cow @ 135W
Cow @ 37N

Ammonia

0.148
0.045
0.07
0.196

0.074
0.06
0.327
0.147

0.105
0.029
0.786
0.674

0.052
0.029
0.174
0.183

				Central St. LA@Cent			
Date	Julian	Time	DO	pH	Temp	Cond	Phos
1/24/2007	24	13:15	13.12	7.26	3.9	1.04	0.692
2/7/2007	38	12:30	14.12	7.41	2.9	0.83	0.662
3/7/2007	66	12:35	13.48	7.68	11.3	0.94	0.375
4/3/2007	93	13:00	8.24	**	17.3	0.20	0.659
5/2/2007	122	12:55	8.72	8.37	17.8	0.86	0.43

MDL = .003 n0004 mg .03 mg/L

Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep	Ammonia	Atrazine	Br
3.05	0.122						
2.83	0.049						
1.61	0.054						
0.957	0.093						

5 mg/L	.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/	.01 mg/L	.03 mg/L	5 mg/L	1 mg/L	
Chloride	Cn	Flouride	Nitrate	Nitrite	rtho Pho	otal Pho	Sulfate	Hardness	

4 mg/L .01 NTU

TSS Turbidity

109th St. N. Sg Co.
LA109

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform
1/24/2007	24	11:45	12.36	7.79	1.5	1.03	0.428	3.11	0.073	
2/7/2007	38	11:15	14.36	7.37	1.2	0.82	0.748	3.59	0.047	
3/7/2007	66	11:05	10.28	7.15	8.8	0.72	0.503	2.27	0.149	
4/3/2007	93	11:25	7.94	**	15.2	0.20	0.661	1.00	0.11	
5/2/2007	122	11:35	8.12	7.85	17.6	0.85	0.513			

	MDL =	.003 mg	0004 mg	.03 mg/L	5 mg/L	005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/	.01 mg/L	.03 mg/L
Escherichia coli	Fecal strep	Ammonia	Atrazine	Br	Chloride	Cn	Flouride	Nitrate	Nitrite	rtho Pho	otal Pho

5 mg/L	1 mg/L	4 mg/L	.01 NTU
Sulfate	Hardness	TSS	Turbidity

81st St. North Sg Co.
LA81N

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform
1/24/2007	24	12:15	12.46	7.52	2.3	0.92	0.531	3.44	0.096	
2/7/2007	38	11:40	13.28	7.32	2.4	0.76	0.628	2.63	0.041	
3/7/2007	66	11:30	12.8	7.75	9.5	0.72	0.403	1.79	0.064	
4/3/2007	93	11:50	8.49	**	15.8	0.19	0.684	1.02	0.095	
5/2/2007	122	11:55	8.55	8.3	17.6	0.83	0.477			

	MDL =	.003 mg	0004 mg	.03 mg/L	5 mg/L	005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/	.01 mg/L	.03 mg/L
Escherichia coli	Fecal strep	Ammonia	Atrazine	Br	Chloride	Cn	Flouride	Nitrate	Nitrite	ortho Pho	otal Pho

5 mg/L	1 mg/L	4 mg/L	.01 NTU
Sulfate	Hardness	TSS	Turbidity

69th St. North Sg Co.
LA69N

MDL = .003 mg/L

Date	Julian	Time	DO	pH	Temp	Cond	Fecal coliform	Escherichia coli	Fecal strep	Ammonia
1/24/2007	24	12:30	12.28	7.39	2.1	0.91				0.1
2/7/2007	38	11:50	13.81	7.37	2.2	0.75				0.05
3/7/2007	66	11:40	11.97	7.41	9.2	0.74				0.08
4/3/2007	93	12:05	8.23	**	16.1	0.19				0.14
5/2/2007	122	12:10	8.62	8.34	17.5	0.81				0.07

.00004 mg/L	.03 mg/L	5 mg/L	.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L	.03 mg/L	5 mg/L
Atrazine	**Br**	**Chloride**	**Cn**	**Flouride**	**Nitrate**	**Nitrite**	**Ortho Phos**	**Total Phos**	**Sulfate**
0.00022	0.12	84		0.35	2.25	xx	0.53	0.94	64
0.0001	0.1	79		0.35	2.33	xx	0.44	0.765	65
0.00022	0.21	70		0.34	1.74	xx	0.27	0.55	59
0.0013	xx	12		0.18	0.88	0.04	0.38	0.74	7
0.00169	0.34	100		0.32	0.73	0.02	0.37	0.705	56

1 mg/L	4 mg/L	.01 NTU
Hardness	**TSS**	**Turbidity**
286	16.8	10.7
287	10	7.78
209	38	21.3
107	396	261
266	48	27.1

55th St. West Sg Co.
LA55W

Date	Julian	Time	DO	pH	Temp	Cond	Fecal coliform
1/24/2007	24	12:00	13.12	7.61	1.7	1.07	
2/7/2007	38	11:25	14.16	7.42	2.4	0.78	
3/7/2007	66	11:15	11.16	7.31	8.7	0.74	
4/3/2007	93	11:35	8.09	**	15.4	0.20	
5/2/2007	122	11:45	8.39	8.11	17.7	0.82	

		MDL = .003 mg/L	.00004 mg/L	.03 mg/L	5 mg/L	.005 mg/L
Escherichia coli	Fecal strep	Ammonia	Atrazine	Br	Chloride	Cn
		0.06	0.00022	0.12	115	
		0.04	0.00009	0.11	84	
		0.35	0.00027	0.16	79	
		0.14	0.00126	0.03	12	
		0.04	0.00183	0.36	110	

.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L	.03 mg/L	5 mg/L	1 mg/L
Flouride	**Nitrate**	**Nitrite**	**Ortho Phos**	**Total Phos**	**Sulfate**	**Hardness**
0.29	1.71	xx	0.43	0.935	51	262
0.36	3.01	xx	0.56	1.04	61	281
0.3	1.89	xx	0.3	0.705	44	247
0.18	0.9	0.04	0.4	0.795	7	109
0.35	1	0.02	0.43	0.755	55	273

4 mg/L .01 NTU

TSS	Turbidity
19.6	12
27	9.89
50	32.3
320	239
48	29.4

53rd North Sg Co.
LA53N

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates
1/24/2007	24	12:40	12.39	7.44	2.3	0.94	0.415	3.28
2/7/2007	38	12:05	13.94	7.39	2.3	0.81	0.507	2.68
3/7/2007	66	11:55	11.71	7.36	9.4	0.71	0.435	1.84
4/3/2007	93	12:20	8.19	**	16.3	0.20	0.691	1.01
5/2/2007	122	12:25	8.58	8.36	17.6	0.81	0.452	

				MDL = .003 m	0004 mg	.03 mg/L	5 mg/L
Ammonia	Fecal coliform	Escherichia coli	Fecal strep	Ammonia	Atrazine	Br	Chloride
0.082							
0.053							
0.087							
0.09							

.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/	.01 mg/L	.03 mg/L	5 mg/L	1 mg/L	4 mg/L	
Cn	Flouride	Nitrate	Nitrite	rtho Pho	otal Pho	Sulfate	Hardness	TSS	

.01 NTU

Turbidity

29th St. North Sg Co.
LA29N

Date	Julian	Time	DO	pH	Temp	Cond
1/24/2007	24	12:55	13.08	7.17	4.3	0.96
2/7/2007	38	12:15	14.36	7.44	3.0	0.79
3/7/2007	66	12:15	13.99	7.77	11.0	0.90
4/3/2007	93	12:40	8.2	**	17.1	0.19
5/2/2007	122	12:40	8.67	8.3	17.9	0.84

Fecal coliform	Escherichia coli	Fecal strep	Ammonia (MDL = .003 mg/L)	Atrazine (.00004 mg/L)	Br (.03 mg/L)
			0.18	0.00014	0.15
			0.12	0.00004	0.15
			0.04	0.00015	0.17
			0.14	0.00137	xx
			0.04	0.00109	0.33

5 mg/L	.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L
Chloride	**Cn**	**Flouride**	**Nitrate**	**Nitrite**	**Ortho Phos**
112		0.36	2.4	xx	0.4
119		0.36	1.94	xx	0.3
104		0.37	1.34	xx	0.2
11		0.17	0.83	0.04	0.34
107		0.36	0.74	0.03	0.34

.03 mg/L	5 mg/L	1 mg/L	4 mg/L	.01 NTU
Total Phos	**Sulfate**	**Hardness**	**TSS**	**Turbidity**
0.755	79	277	12.5	7.46
0.685	80	300	11	6.94
0.475	75	254	24	10.7
0.72	7	93	376	303
0.525	67	257	49	29.3

Emma Creek Hv Co.

Date	Julian	Time	DO	HCEC pH	Temp	Cond	Fecal coliform
1/24/2007	24	11:10	13.42	7.38	2	0.98	
2/7/2007	38	10:35	12.93	7.31	0.1	1.01	
3/7/2007	66	10:50	12.29	7.58	10.3	0.65	
4/3/2007	93	11:15	8.27	**	15	0.19	
5/2/2007	122	11:20	8.24	7.83	18	0.89	

		MDL = .003 mg/	.00004 mg/L	.03 mg/L	5 mg/L	.005 mg/L
Escherichia coli	Fecal strep	Ammonia	Atrazine	Br	Chloride	Cn
		0.06	0.00006	0.13	136	
		0.11	0.00008	0.09	87	
		0.37	0.00032	0.19	84	
		0.12	0.00117	0.04	13	
		0.04	0.00046	0.53	153	

.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L	.03 mg/L	5 mg/L	1 mg/L
Flouride	**Nitrate**	**Nitrite**	**Ortho Phos**	**Total Phos**	**Sulfate**	**Hardness**
0.23	0.41	xx	0.2	0.585	46	264
0.24	0.61	xx	0.26	0.72	38	260
0.22	1.26	xx	0.19	0.515	33	262
0.19	0.87	0.04	0.4	0.52	6	94
0.27	0.05	xx	0.26	0.625	40	270

4 mg/L .01 NTU

TSS	Turbidity
33.2	17.3
39	25.1
70	42.7
322	238
49	31.2

Date	Julian	Time	DO	Alta Mills HCAM pH	Temp	Cond	Fecal coliform
1/24/2007	24	10:15	10.24	7.36	1.2	0.83	
2/7/2007	38	9:40	13.48	7.41	0.1	0.81	
3/7/2007	66	9:55	11	8.15	7.4	0.91	
4/3/2007	93	10:25	7.48	---	15.5	0.23	
5/2/2007	122	10:10	7.78	7.79	18	0.13	

		MDL = .003 mg/L	.00004 mg/L	.03 mg/L	5 mg/L
Escherichia coli	Fecal strep	Ammonia	Atrazine	Br	Chloride
		xx	0.00013	0.12	159
		xx	0.00007	0.21	251
		0.03	0.00035	0.19	126
		0.13	0.00109	0.06	21
		0.04	0.00039	0.86	255

.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L	.03 mg/L	5 mg/L
Cn	Flouride	Nitrate	Nitrite	Ortho Phos	Total Phos	Sulfate
	0.23	0.08	xx	0.38	0.7	53
	0.23	0.81	xx	0.5	0.825	63
	0.26	0.04	xx	0.18	0.48	40
	0.2	0.97	0.04	0.43	0.635	7
	0.27	0.03	xx	0.22	0.54	58

1 mg/L	4 mg/L	.01 NTU
Hardness	**TSS**	**Turbidity**
298	10.4	7.22
365	xx	4.68
256	31	20.4
210	280	219
358	57	36.4

48 St. South Hv Co.
HC48S

Date	Julian	Time	DO	pH	Temp	Cond	Fecal coliform
1/24/2007	24	10:55	12.18	7.21	1.3	1.09	
2/7/2007	38	10:15	13.77	7.28	0.1	0.91	
3/7/2007	66	10:35	11.64	7.25	8.1	0.64	
4/3/2007	93	10:55	8.64	**	14.8	0.2	
5/2/2007	122	11:05	8.41	8.2	18	0.89	

		MDL = .003 mg/L	.00004 mg/L	.03 mg/L	5 mg/L
Escherichia coli	Fecal strep	Ammonia	Atrazine	Br	Chloride
		xx	0.00008	0.15	177
		0.04	0.00008	0.16	131
		0.54	0.00025	0.18	89
		0.12	0.0012	0.05	15
		0.06	0.00036	0.56	158

.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L	.03 mg/L	5 mg/L
Cn	**Flouride**	**Nitrate**	**Nitrite**	**Ortho Phos**	**Total Phos**	**Sulfate**
	0.24	0.32	xx	0.23	0.62	47
	0.24	0.25	xx	0.31	0.765	40
	0.2	1.25	xx	0.19	0.565	31
	0.17	0.95	0.04	0.41	0.605	6
	0.25	0.02	xx	0.28	0.6	39

1 mg/L	4 mg/L	.01 NTU
Hardness	**TSS**	**Turbidity**
297	12.8	5.89
261	15	15.9
265	50	47
146	362	231
251	43	28.6

12 St. North Harvey Co.
HC12N

Date	Julian	Time	DO	pH	Temp	Cond	Fecal coliform
1/24/2007	24	10:30	12.29	7.5	4.1	1.17	
2/7/2007	38	9:55	12.83	7.19	1.9	0.84	
3/7/2007	66	10:10	13.86	8.2	8.1	0.65	
4/3/2007	93	10:40	7.93	**	15.3	0.21	
5/2/2007	122	10:35	7.79	8.11	18.3	0.12	

		MDL = .003 mg/L	.00004 mg/L	.03 mg/L	5 mg/L	.005 mg/L
Escherichia coli	Fecal strep	Ammonia	Atrazine	Br	Chloride	Cn
		0.06	0.00011	0.13	173	
		0.07	0.00008	0.19	213	
		0.04	0.0007	0.17	103	
		0.13	0.0011	0.05	18	
		0.04	0.00033	1.14	307	

.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L	.03 mg/L	5 mg/L	1 mg/L
Flouride	**Nitrate**	**Nitrite**	**Ortho Phos**	**Total Phos**	**Sulfate**	**Hardness**
0.22	0.16	xx	0.31	0.7	46	314
0.24	0.67	xx	0.38	0.785	58	360
0.22	0.18	xx	0.12	0.36	33	236
0.17	0.99	0.04	0.41	0.415	7	89
0.25	xx	xx	0.25	0.475	44	382

4 mg/L .01 NTU

TSS	Turbidity
5.2	4.42
xx	4.78
33	20
302	231
32	21.6

Cow@39S
Lower Cowskin 2006
@ MacArthur

Date	Julian	Time	DO	pH	Temp	Cond	Phos	CAS Nitrates	Fred Nitrite	CAS TKN
1/5/06	5	9:55	11.21	8.22	6.9	1.31	0.567	1.37	0.039	ND
2/9/06	40	10:35	14.49	8.42	3.7	1.72		1.11	0.019	ND
3/9/06	68	13:45	10.71	8.19	12.3	1.14	0.516	1.61	0.084	3
4/13/06	103	13:10	10.04	8.16	24.2	1.12	0.536	0.12	0.014	ND
5/4/06	124	9:50	4.89	7.31	17.1	1.02	1.06	0.59	0.088	3
6/8/06	159	10:50	5.07	7.31	26.6	1.12	0.736	0.48	0.064	3
7/13/06	194	10:35	5.08	7.9	27.8	1.07	0.773	0.6	0.091	4
8/10/06	222	11:40	5.52	7.41	29.8	0.69	0.529	0.81	0.093	xx
9/14/06	257	10:20	7.62	8.21	20.9	1.34	0.444		0.083	
10/5/06	278	10:05	6.53	8.14	19.8	1.16	0.621	0.52	0.07	xx
11/8/06	312	12:10	8.73	8.03	13.9	1.14	0.221	0.76	0.003	xx
12/21/06	355	12:40	9.94	8.04	7.4	0.93		0.98	0.017	xx

Ammonia	Fecal coliform	Escherichia coli	TSS	MDL =	0.0025 Antimony	0.001 Arsenic	.004 mg/L Beryllium	.005 mg/L Cadmium	5 mg/L Chloride	xx = <MDL .008 mg/L Chromium
0.052	38	52	39		xx	xx	xx	xx	143	xx = <MDL
0.098	2		19.2		xx	xx	xx	xx	94.2	xx
0.565	60	96	105		xx		xx	xx	99.3	xx
0.043	40		38.2		xx		xx	xx	119	xx
0.883	773	980.4	138		xx		xx	xx	55.3	0.011
0.14	340	378.4	62.5		xx		xx	xx	67.3	xx
0.174	1018	866.4	384		xx		xx	xx	144	0.011
0.045	330		44		xx		xx	xx	56.6	xx
0.168	773	344.8	64						92.7	
0.033	55		64.5		xx		xx	xx	192	xx
0.045	91		8.8		xx		xx	xx		xx
0.079	408		42.8		xx		xx	xx	119	xx

.005 mg/L Copper	0.033 Lead	0.0001 Mercury	.015 mg/L Nickel	0.002 Selenium	.010 mg/L Silver	5 mg/L Sulfate	0.0017 Thallium	.005 mg/L Zinc
xx	xx	xx	xx	xx	xx	107	xx	0.037
xx	xx	xx	xx	xx	xx	65.1	xx	0.039
xx	xx	xx		xx	xx	116	xx	0.08
xx	xx	xx		xx	xx	79.6	xx	0.041
0.021	0.007	xx		xx	xx	48.1	xx	0.052
xx	xx	xx		xx	xx	236	xx	0.018
0.024	0.007	xx		xx	xx	225	xx	0.047
xx	xx	xx		xx	xx	97.7	xx	xx
						107		
xx	xx	xx		xx	xx	152	xx	0.023
xx	xx	xx		xx	xx		xx	xx
xx	xx	xx		xx	xx	135	xx	xx

Cow@37N
Upper Cowskin 2006
@ 37th North

Date	Julian	Time	DO	pH	Temp	Cond	Phos	CAS Nitrates	Fred Nitrite	CAS TKN
1/5/06	5	9:25	11.59	8.31	6.6	1.24	0.559	1.33	0.05	ND
2/9/06	40	10:00	14.12	8.14	3.1	1.87		1.36	0.031	ND
3/9/06	68	13:10	10.38	8.18	11.8	1.07	0.551	1.8	0.103	3
4/13/03	103	12:30	8.16	8.18	24.1	0.98	0.63	0.044	0.036	2
5/4/06	124	9:20	4.12	7.23	17.4	0.67	1.07	0.68	0.092	3
6/8/06	159	10:15	4.81	7.11	27.9	0.98	0.639	0.35	0.05	xx
7/13/06	194	10:00	4.17	8.13	28.4	0.89	0.573	0.061	0.089	3
8/10/06	222	11:00	4.26	8.36	29.9	2.31	0.628	0.54	0.109	xx
9/14/06	257	9:45	6.18	8.14	22.3	1.07	0.441		0.076	
10/5/06	278	9:25	6.86	8.4	20.9	1.28	0.667	0.58	0.068	xx
11/8/06	312	11:30	9.04	8.13	13.1	1.55	1.6	1.38	0.116	xx
12/21/06	355	10:20	10.12	8.41	5.8	0.97		1.32	0.046	3

Ammonia	Fecal coliform	Escherichia coli	TSS	MDL =	0.0025 Antimony	0.001 Arsenic	0.004 Beryllium	.005 mg/L Cadmium	5 mg/L Chloride	xx = <MDL .008 mg/L Chromium
0.028	18	49.6	42.4		xx	xx	xx	xx	145	xx
0.126	7		17.2		xx	xx	xx	xx	105	xx
0.369	27	43.2	74.2		xx		xx	xx	108	xx
0.054	5		35.6		xx		xx	xx	125	xx
0.808	370	648.8	138		xx		xx	xx	61.1	xx
0.039	410	195.6	51.6		xx		xx	xx	69.1	xx
0.153	470	275.5	262		xx		xx	xx	148	xx
0.257	18		61		xx		xx	xx	235	xx
0.181	450	228.2	62.7						91.1	
0.035	9		68.4		xx		xx	xx	181	xx
0.038	18		42		xx		xx	xx		xx
0.037	16		30.7		xx		xx	xx	149	xx

.005 mg/L Copper	0.033 Lead	0.0001 Mercury	.015 mg/L Nickel	0.002 Selenium	.010 mg/L Silver	5 mg/L Sulfate	0.0017 Thallium	.005 mg/L Zinc
xx	xx	xx	xx	xx	xx	110	xx	0.024
xx	xx	xx	xx	xx	xx	69.9	xx	0.041
xx	xx	xx		xx	xx	117	xx	0.03
xx	xx	xx		xx	xx	79.7	xx	0.039
0.022	0.006	xx		xx	xx	47.5	xx	0.036
xx	xx	xx		xx	xx	211	xx	0.028
0.021	0.006	xx		xx	xx	224	xx	0.038
xx	xx	xx		xx	xx	231	xx	0.023
						114		
xx	xx	xx		xx	xx	83	xx	0.048
xx	xx	xx		xx	xx		xx	0.027
xx	xx	xx		xx	xx	109	xx	0.032

Cow@135W
Cowskin @ 135th West
2006

Date	Julian	Time	DO	pH	Temp	Cond	Phos	CAS Nitrates	Fred Nitrite	CAS TKN	Ammonia
1/5/06	5	9:05	10.11	8.38	6.7	1.38	0.35	1.38	0.031	ND	0.077
2/9/06	40	9:45	13.28	8.39	3.6	1.11		1.01	0.015	ND	0.063
3/9/06	68	12:55	9.88	7.83	11.4	1.08	0.498	1.49	0.122	3	0.795
4/13/06	103	12:20	9.81	8.09	23.6	1.07	0.367	ND		ND	0.028
5/4/06	124	9:10	4.65	6.92	17.8	0.63	0.982	0.45	0.08	3	0.905
6/8/06	159	10:05	4.26	6.98	27.2	1.07	0.784	0.45	0.08	4	0.247
7/13/06	194	9:50	3.89	7.44	27.4	0.78	0.832	0.55	0.111	5	0.207
8/10/06	222	10:45	3.62	7.92	29.4	2.68	0.694	1.3	0.192	xx	0.389
9/14/06	257	9:20	7.26	8.31	21.8	1.02	0.43	1.22	0.089		0.135
10/5/06	278	9:15	5.31	7.64	20.4	1.17	0.417	0.43	0.06	xx	0.057
11/8/06	312	11:15	8.33	8.12	13.4	1.51	2.11	1.67	0.142	xx	0.038
12/21/06	355	10:05	9.05	8.18	6.1	0.91		0.88	0.009	xx	0.028

Fecal coliform	Escherichia coli	TSS	MDL =	0.0025 Antimony	0.001 Arsenic	Beryllium	.005 mg/L Cadmium	5 mg/L Chloride	xx = <MDL .008 mg/L Chromium
27	52.1	46.9		xx	xx	xx	xx	138	xx
4		13.9		xx	xx	xx	xx	77.5	xx
153	214.3	96.7		xx		xx	xx	94.3	xx
46		45.9		xx		xx	xx	96	xx
1109	1203.31	138		xx		xx	xx	43.5	0.011
	440	68.4		xx		xx	xx	60.5	xx
1982	1986.28	588		xx		xx	xx	135	0.013
590		64		xx		xx	xx	281	xx
973	920.8	63.2						88.3	
109		48		xx		xx	xx	230	xx
9		14.8		xx		xx	xx		xx
500		46		xx		xx	xx	105	xx

.005 mg/L Copper	0.033 Lead	0.0001 Mercury	.015 mg/L Nickel	0.002 Selenium	.010 mg/L Silver	5 mg/L Sulfate	0.0017 Thallium	.005 mg/L Zinc
xx	xx	xx	xx	xx	xx	102	xx	0.027
xx	xx	xx	xx	xx	xx	58	xx	0.044
0.021	xx	xx		xx	xx	115	xx	xx
xx	xx	xx		xx	xx	69.7	xx	0.026
0.021	0.007	xx		xx	xx	48.3	xx	0.04
xx	xx	xx		xx	xx	273	xx	0.02
0.031	0.011	xx		xx	xx	73.1	xx	0.061
xx	xx	xx		xx	xx	269	xx	0.026
						98.3		
xx	xx	xx		xx	xx	118	xx	0.037
xx	xx	xx		xx	xx		xx	0.038
xx	xx	xx		xx	xx	142	xx	0.02

47th Street 2006

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrites	CAS Nitrates	CAS TKN	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
1/5/2006	5	10:25	12.39	8.31	7.1	1.44	0.047	0.017	1.08	ND	0.032	25	21.3	
2/9/2006	40	11:15	13.96	8.01	3.9	1.33		0.023	1.22	ND	0.076	7		
3/9/2006	68	14:05	7.49	7.1	10.4	1.14	0.507	0.045	0.7	6	0.708	6900	2419.2	
4/6/2006												122	116.2	
4/13/2006	103	13:35	12.11	8.42	24.6	2.35	0.05	0.003	ND	ND	0.036	29		
4/20/2006	110	10:35	Bacti only									41	34.1	
4/24/2006													240	
5/4/2006	124	11:00	7.55	7.34	15.3	0.87	0.125	0.031			0.213	4000	2419.2	
5/10/2006	130	11:10										8200	2419.2	
5/15/2006	135	10:45										91	110.6	
5/24/2006	144											200	290.9	
5/30/2006	150											6130	2419.2	
6/8/2006	159	13:40	7.62	7.49	26.9	1.69	0.142	0.0001	xx	xx	0.038	133	74.3	
6/12/2006	163	11:40	Bacti only									15,450	2419.2	
6/21/2006	172	11:20	Bacti only									745	365.4	
6/27/2006	178	12:35	Bacti only									470	206.3	
7/6/2006	187											164	275.5	
7/13/2006	194	11:00	7.08	7.19	29.5	1.69	0.063	0.002	0.11	xx	0.036	570	228.2	
7/18/2006	199	10:25	Bacti only									109	60.9	
7/25/2006	206	13:35	Bacti only									18	3.1	
8/3/2006	215		Bacti only									6700	2419.17	
8/10/2006	222	12:10	8.83	8.03	30.5	1.48	0.041	0.004	xx	xx	0.045	510	27.5	
8/17/2006	229	11:30	Bacti only									300	40.2	
8/22/2006	234		Bacti only									1700	410.6	
8/29/2006	241	12:20	Bacti only									350	290.9	
9/7/2006	250		Bacti only									19	3	
9/14/2006	257	10:55	9.91	8.16	20.9	1.34	0.154	0.007			0.07	280	172.2	
9/19/2006	262	13:00	Bacti only									200	18.5	
9/26/2006	269	12:40	Bacti only									67	1	
10/5/2006	278	10:45	9.52	8.19	18.2	1.44	0.0007	0.002	0.11	xx	0.039	230	96	
10/11/2006	284	11:00	Bacti only									1436	1986.28	
10/17/2006	290	10:30	Bacti only									240	325.5	
10/26/2006	299	11:45	Bacti only									327	193.5	
10/31/2006	304	12:25	Bacti only									82	93.3	
11/8/2006	312	13:35	13.41	8.58	17.8	1.81	0.03	0.017	3.45	xx	0.036	36	20.1	
12/21/2006	355	14:05	11.59	7.53	7.9	1.09		0.017	0.88	xx	0.062	220	218.7	

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrites	CAS Nitrates	CAS TKN	Ammonia	Fecal coliform	Escherichia coli	Fecal strep

63rd Street 2006

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	CAS TKN	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
1/11/2005	11	10:35	11.63	7.32	5.6	1.23	0.397	2.09		0.437	1540		
2/21/2006	52	13:00	12.81	7.78	5.9	2.36	0.016	0.789		0.052	2		
3/16/2006	75	10:25	10.83	7.61	10.1	1.11	0.43	3.09		0.083	400	517.2	
4/14/2006	104	11:05	8.81	7.81	20.6	2.29	0.298	1.15		0.032	500		
5/10/2006	130	10:15	8.12	7.53	17.7	1.41	0.266	0.87		0.062	2100	1732.87	
6/12/2006	163	11:30	5.21	7.09	22.1	1.08	0.652	2.85		0.062	4900	2419.2	
7/18/2006	199	10:35	8.09	7.56	28.9	1.86	0.419			0.03	136	46.4	
8/8/2006	220	11:05	6.36	7.33	28.2	0.99	0.694	4.27		0.05	1300	2419.2	
9/13/2006	256	10:55	8.93	7.6	20.4	1.5	0.613	3.38		0.062	290	186	
10/17/2006	290	11:00	8.61	7.81	17.3	1.42	1.06	8.25		0.082	370		
11/8/2006	312	2:52	7.42	20.1	1.65	1.28	2.3	19.7		0.052	410		
12/29/2006	363	10:45	9.77	7.46	10.7	1.11				0.055	260		

Derby 2006

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
1/11/2005	11	10:20	11.88	7.25	5.4	1.11	0.651	2.67	0.901	4400		
2/21/2006	52	13:25	11.96	7.89	6.3	2.49	0.009	1.48	0.088	2		
3/16/2006	75	10:40	10.66	7.46	10.4	1.23	0.672	5.31	0.1	760	1299.65	
4/14/2006	104	10:50	8.97	7.76	20.9	2.36	0.922	4.21	0.027	980		
5/10/2006	130	10:35	8.22	7.61	17.9	1.52	0.415	2.18	0.09	10,400	2419.2	
6/12/2006	163	11:10	4.07	7.01	22.3	0.93	0.479	1.21	0.059	36,100	2419.2	
7/18/2006	199	10:50	8.36	7.85	30.1	1.71	0.402		0.021	9	52	
8/8/2006	220	10:55	6.11	7.19	28.9	0.93	0.843	5.47	0.033	13300	2419.2	
9/13/2006	256	10:30	8.96	7.45	19.8	1.55	0.573	3.1	0.058	173	218.7	
10/17/2006	290	10:40	8.63	8.01	16.5	1.44	0.63	5.07	0.061	655		
11/8/2006	312	12:50	9.95	8.05	18.6	1.78	0.933	8.1	0.026	82		
12/29/2006	363	10:30	9.68	7.28	10.4	1.06			0.046	165		

FM@Harry
4 Mile Creek Harry
2006

Date	Jul	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
1/11/06	11	9:40	11.03	7.02	11.2	1.03	.059	2.58	.038	76		
2/21/06	52	10:55	10.95	6.97	11.5	1.62	.008	2.27	.041	114		
3/16/06	75	9:55	9.77	7.06	14.1	1.09	.505	2.92	.055	90	86.2	
4/14/06	104	10:10	7.87	7.14	19.1	1.34	.367	3.35	.071	20		
5/10/06	130	9:10	7.89	7.09	17.8	.91	.003	.527	.115	500	727.0	
6/12/06	163	10:25	7.11	7.26	21.6	1.25	.140	2.00	.080	1764	1986.28	
7/18/06	199	9:55	6.53	7.21	24.9	1.26	.298	3.55	.072	73	65.0	
8/8/06	220	10:10	7.18	7.24	24.9	1.29	.224	3.46	.035	118	137.6	
9/13/06	256	9:50	8.19	7.19	21.5	1.34	1.26	4.83	0.073	91	107.6	
10/17/06	290	9:10	8.52	7.52	20.2	1.32	0.228	3.71	0.054	136		
11/9/06	313	13:55	7.43	7.23	20.4	1.32	0.177	3.74	0.039	309		
12/12/06	346	12:45	8.79	7.17	15.6	1.11	0.182	2.81	0.054	64	224.7	

FM@Lncln

4 Mile Creek Upstream @ Lincoln

2006

Date	Jul	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
1/11/06	11	9:30	11.51	7.31	4.7	1.25	.043	.272	.021	5		
2/21/06	52	10:40	13.92	7.47	5.3	2.49	.068	.189	.019	9		
3/16/06	75	9:45	10.63	7.42	10.1	1.17	.077	.165	.034	4	14.2	
4/14/06	104	10:00	8.27	7.26	20.4	2.31	.024	.376	.063	58		
5/10/06	130	9:20	7.62	7.18	18.0	.93	.099	.195	.079	550	770.1	
6/12/06	163	10:35	5.98	7.35	21.6	1.52	.162	2.18	.069	191	410.6	
7/18/06	199	9:45	5.14	6.95	26.5	1.67	.002	.729	.045	410	461.1	
8/8/06	220	10:00	5.09	7.08	28.1	1.28	.105	.277	.041	36	55.4	
9/13/06	256	10:00	7.12	7.08	18.1	1.69	0.087	0.799	0.073	230	142.1	
10/17/06	290	9:00	3.01	7.26	15.1	1.97	0.123	0.326	0.046	164		
11/9/06	313	13:45	5.66	7.18	17.5	1.99	0.248	0.289	0.039	36		
12/12/06	346	12:30	5.76	7.12	8.2	1.16	0.066	0.71	0.075	4	7.4	

FM@AndRd
4 Mile Creek- Downstream
2006

Date	Jul	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
1/11/06	11	9:50	9.15	6.91	6.7	1.12	.050	1.45	.037	66		
2/21/06	52	11:05	9.58	6.95	6.0	1.79	.020	1.58	.045	56		
3/16/06	75	10:00	8.56	7.13	11.1	1.16	.188	1.16	.038	62	45.0	
4/14/06	104	10:20	4.59	7.11	20.2	1.77	.232	1.21	1.06	113		
5/10/06	130	9:05	7.73	7.02	18.1	.78	.021	.418	.078	1055	816.4	
6/12/06	163	10:15	6.04	7.05	23.3	1.08	.188	1.66	.105	918	1553.07	
7/18/06	199	10:00	5.29	7.37	26.8	1.61	.134	2.41	.054	370	365.4	
8/8/06	220	10:20	5.27	7.32	25.7	1.48	.217	2.28	.046	490	686.7	
9/13/06	256	9:40	6.49	7.19	18.1	1.31	.604	2.73	.082	570	816.4	
10/17/06	290	9:20	5.56	7.54	16.3	1.71	0.197	2.31	0.052	480		
11/9/06	313	14:00	5.39	7.11	17.2	1.75	0.151	1.75	0.047	220		
12/12/06	346	12:50	7.38	7.2	10.2	1.13	0.131	1.94	0.066	52	75.9	

2nd Monthly Plant Samples
2006

Site	Date	Jul	Time	DO	pH	Temp	Ammonia
FM @ And Rd.	1/19/2006	19	14:10	11.18	7.69	7.9	0.072
FM @ Lincoln	1/19/2006	19	14:00	12.47	7.56	7.5	0.027
Cow @ 135W	1/19/2006	19	9:25	9.61	7.71	6.8	0.11
Cow @ 37N	1/19/2006	19	9:40	10.47	7.86	7.4	0.129
FM @ And Rd.	2/24/2006	55	14:20	10.14	8.49	7.8	0.043
FM @ Lincoln	2/24/2006	55	14:10	10.72	8.62	8.1	0.021
Cow @ 135W	2/24/2006	55	13:10	8.21	8.23	7.1	0.03
Cow @ 37N	2/24/2006	55	13:00	9.62	8.15	7.5	0.067
FM @ And Rd.	3/22/2006	81	10:25	11.66	6.91	11	0.043
FM @ Lincoln	3/22/2006	81	10:15	12.92	7.3	5	0.03
Cow @ 135W	3/22/2006	81	11:05	12.18	7.21	4.1	0.131
Cow @ 37N	3/22/2006	81	11:15	11.52	7.92	4.3	0.124
FM @ And Rd.	4/20/2006	110	10:20	6.29	7.26	20.4	
FM @ Lincoln	4/20/2006	110	10:10	7.94	7.19	19.9	
Cow @ 135W	4/20/2006	110	9:10	8.23	8.14	23.9	
Cow @ 37N	4/20/2006	110	9:00	8.07	8.27	23.6	
FM @ And Rd.	5/15/2006	135	10:30	6.65	7.07	16.3	0.097
FM @ Lincoln	5/15/2006	135	10:20	7.43	7.02	17.9	0.072
Cow @ 135W	5/15/2006	135	9:40	3.42	6.93	17.2	0.428
Cow @ 37N	5/15/2006	135	9:45	3.71	6.9	17.9	0.392
FM @ And Rd.	6/15/2006	166	10:25	5.29	7.23	22.4	0.13
FM @ Lincoln	6/15/2006	166	10:15	5.53	7.04	23.9	0.078
Cow @ 135W	6/13/2006	164	8:20	4.51	7.12	26.8	0.845
Cow @ 37N	6/13/2006	164	8:10	5.03	7.27	27.3	0.244

FM @ And Rd.	7/20/2006	201	10:45	7.18	8.49	27.4	0.1
FM @ Lincoln	7/20/2006	201	10:35	7.21	8.58	28.1	0.268
Cow @ 135W	7/20/2006	201	9:45	3.86	8.33	27.6	0.273
Cow @ 37N	7/20/2006	201	9:40	4.12	8.42	28.7	0.268
FM @ And Rd.	8/21/2006	233	10:00	6.88	7.05	22.6	0.082
FM @ Lincoln	8/21/2006	233	9:45	7.29	7.09	23.7	0.066
Cow @ 135W	8/17/2006	229	8:45	3.71	8.91	26.4	0.099
Cow @ 37N	8/17/2006	229	8:35	4.56	8.19	26.3	0.235
FM @ And Rd.	9/21/2006	264	10:40	6.72	7.31	17.9	0.055
FM @ Lincoln	9/21/2006	264	10:30	7.19	7.27	18.3	0.047
Cow @ 135W	9/21/2006	264	9:30	7.11	8.17	20.9	0.02
Cow @ 37N	9/21/2006	264	9:40	6.31	7.96	21.3	0.048
FM @ And Rd.	10/25/2006	298	13:40	6.54	7.53	15.9	0.046
FM @ Lincoln	10/25/2006	298	13:50	3.89	7.25	15.4	0.049
Cow @ 135W	10/25/2006	298	9:05	9.36	8.64	15.1	0.084
Cow @ 37N	10/25/2006	298	8:55	8.75	8.16	15.2	0.115
FM @ And Rd.	11/17/2006	321	10:00	7.58	7.05	9.5	0.054
FM @ Lincoln	11/17/2006	321	9:45	2.07	7.14	8.1	0.059
Cow @ 135W	11/15/2006	319	8:25	10.34	7.85	10.7	0.069
Cow @ 37N	11/15/2006	319	8:30	10.15	8.08	10.1	0.054
FM @ And Rd.	12/29/2006	363	9:55	6.63	7.43	11.3	0.041
FM @ Lincoln	12/29/2006	363	9:40	8.98	7.38	8.8	0.026
Cow @ 135W	12/27/2006	361	9:50	11.87	8.69	4.5	0.024
Cow @ 37N	12/27/2006	361	10:05	13.12	8.71	4.7	0.031

Canal @ Pawnee 2006

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
3/13/2006	72	10:20	10.91	7.59	11.1	1.02	0.099	0.374	0.051	22	27.5	
6/15/2006	166	11:05	6.81	7.27	26.4	0.89	0.05	0.119	0.044	470	435.2	
10/17/2006	290	10:00	8.11	7.69	16.1	1.29	0.048	0.651	0.06	210		

Gyp/Dry 2006

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
3/13/2006	72	10:40	10.27	7.24	10.6	1.19	0.05	0.132	0.026	16	24.6	
6/15/2006	166	10:55	6.49	7.11	26.1	0.93	0.05	0.157	0.032	636	866.4	
10/17/2006	290	9:45	7.94	7.57	15.5	1.16	0.05	0.363	0.035	155		

Hyd
Hydraulic 2006

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
3/13/2006	72	10:50	12.48	7.81	9.5	1.24	0.125	0.841	0.07	50	41.9	
6/15/2006	166	11:15	8.46	7.95	24.2	1.82	0.05	0.092	0.065	290	156.5	
10/17/2006	290	10:20	9.19	8.09	15.7	1.45	0.0003	1.01	0.112	410		

South Slough 2006

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
3/14/2006	73	10:30	11.36	8.09	9.7	1.01	0.146	0.05	0.021	2		
6/13/2006	164	11:10	8.53	8.07	25.7	0.89	0.05	0.139	0.045	no data	261.3	
10/19/2006	292	10:30	9.38	8.03	8.7	1.01	0.05	0.222	0.044	320		

S. Floodway 2006

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
3/14/2006	73	10:10	11.19	8.06	9.4	1.11	0.141	0.022	0.021	4		
6/13/2006	164	11:00	8.12	7.64	25.8	1.02	0.05	0.116	0.037	no data	157.6	
10/19/2006	292	10:15	9.59	8.11	9.8	0.98	0.05	0.017	0.178	91		

North Slough 2006

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
3/14/2006	73	9:40	11.51	7.97	8.7	0.97	0.043	0.142	0.019	2		
6/13/2006	164	10:45	8.9	8.28	26	0.62	0.05	0.12	0.041	no data	579.4	
10/19/2006	292	9:55	9.07	7.98	11.2	0.66	0.05	0.495	0.498	64		

N. Floodway 2006

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
3/14/2006	73	9:30	10.95	7.99	9.2	1.05	0.05	0.093	0.023	2		
6/13/2006	164	10:35	7.91	7.78	25.5	0.83	0.05	0.111	0.036	no data	8.4	
10/19/2006	292	9:45	10.38	8.31	10.1	1.06	0.05	0.468	0.032	64		

279thW
Big Ark @ Mt. Hope 2006

all @ Ridge Rd.

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli	Fecal strep
3/28/2006	87	9:40	11.69	8.08	10.5	3.12	0.05	1.39	0.043	13		
10/26/2006	299	10:20	9.56	8.26	14.6	1.32	0.05	1.55		82	77.1	

Big Ark @ Seneca 2006

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	F. coliform	E. coli	F. strep
3/28/2006	87	10:20	12.23	7.71	11.9	2.87	0.05	1.18	0.042			
6/21/2006	172	10:35	7.02	7.91	26.1	1.33	0.136	0.159	0.035			
10/26/2006	299	10:55	9.7	8.06	15.3	1.41	0.05	1.07	0.04	18	46.4	

Date	Julian	Time	DO	Central St. LA@Cent pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli
3/7/2006	66	15:05	10.08	7.94	14.5	1.05	0.335	0.677	0.029		
4/17/2006	107	14:05	8.43	8.04	23.7	1.22	0.175	0.125	0.028		
5/16/2006	136	12:30	8.42	7.36	19.6	1.12	0.419	1.1	0.049		
6/6/2006	157	12:15	8.12	8.51	27.2	0.83	0.421	0.076	0.032		
7/12/2006	193	12:30	9.17	8.39	29.2	1.04	0.533	0.726	0.023		
8/22/2006	234	12:35	9.19	7.69	27.1	1.12	0.595	1.77	0.104		
9/19/2006	262	12:35	10.69	7.79	18.3	0.99	0.461	1.21	0.047		
10/23/2006	296	13:05	10.57	8.08	10.9	0.98	0.667	2.85	0.06		
11/21/2006	325	12:50	12.99	7.79	10.3	1.12	0.347	2.58	0.051		28.1
12/6/2006	340	12:50	12.85	7.39	7.4	1.08	0.545	2.28	0.085		

69th St. North Sg Co.

LA69N

MDL = .003 mg/L

Date	Julian	Time	DO	pH	Temp	Cond	Fecal coliform	Escherichia coli	Fecal strep	Ammonia
3/7/2006	66	14:20	9.33	7.48	15.3	1.00				0.16
4/17/2006	107	13:25	10.16	8.32	23.1	1.08				xx
5/16/2006	136	11:30	7.84	7.35	18.4	0.89				
6/6/2006	157	11:35	8.39	7.93	25	0.74				xx
7/12/2006	193	11:45	8.79	8.05	29	0.71				xx
8/22/2006	234	11:35	6.94	7.49	26.1	0.79				0.13
9/19/2006	262	11:50	9.04	7.46	17.7	0.87				
10/23/2006	296	12:25	10.89	8.03	9.9	0.91				0.12
11/21/2006	325	11:55	12.07	7.29	8.1	0.98		51.2		xx
12/6/2006	340	12:00	12.33	7.32	5.5	1.03				0.07

.00004 mg/L	.03 mg/L	5 mg/L	.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L	.03 mg/L	5 mg/L
Atrazine	**Br**	**Chloride**	**Cn**	**Flouride**	**Nitrate**	**Nitrite**	**Ortho Phos**	**Total Phos**	**Sulfate**
0.00034	0.21	83		0.34	0.8	xx	0.29	0.57	67
0.00093	0.31	135	xx	0.39	xx	xx	0.3	0.72	60
0.00324	0.14	77		0.34	0.08	xx	0.44	0.93	42
0.00219	xx	37		0.36	xx	xx	0.27	0.6	64
0.00035	xx	47		0.44	1.65	0.06	0.58	0.86	61
0.00005	xx	45		0.43	1.37	xx	0.46	0.805	75
0.0001	xx	52	xx	0.4	0.53	xx	0.47	0.89	72
0.00007	0.09	57		0.41	2.18	0.02	0.54	0.885	74

1 mg/L	4 mg/L	.01 NTU
Hardness	**TSS**	**Turbidity**
307	19	11.9
320	74	24.3
240	172	83.5
250	92	38
232	42	27.1
266	5	4.73
283	8	4.55
279	8.8	10.5

81st St. North Sg Co.
LA81N

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli
3/7/2006	66	14:10	9.56	7.68	15.7	1.00	0.426	0.811	0.068		
4/17/2006	107	13:10	8.17	8.01	23.3	1.39	0.485	0.152	0.034		
5/16/2006	136	11:15	8.16	7.44	18.8	0.96	0.573	1.32	0.093		
6/6/2006	157	11:25	8.18	7.82	25.7	0.89	0.05	0.083	0.029		
7/12/2006	193	11:30	9.08	8.02	28.6	0.68	0.373	0.145	0.019		
8/22/2006	234	11:25	7.72	7.43	25.8	0.74	0.705	2.33	0.128		
9/19/2006	262	11:35	10.52	7.84	17.3	0.87	0.312	0.797	0.04		
10/23/2006	296	12:15	11.07	8.11	9.8	9.44	0.659	2.86	0.046		
11/21/2006	325	11:45	12.83	7.65	8.4	0.97	0.522	1.25	0.043		42.8
12/6/2006	340	11:45	12.38	7.54	5.7	1.01	0.648	2.26	0.086		

109th St. N. Sg Co.
LA109

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli
3/7/2006	66	13:45	8.81	7.7	14.7	1.00	0.493	0.82	0.046		
4/17/2006	107	12:50	8.09	7.89	23.2	1.37	0.654	0.45	0.027		
5/16/2006	136	10:50	7.73	7.37	17.6	0.98	0.558	1.28	0.149		
6/6/2006	157	10:55	7.21	7.74	25.6	0.81	0.621	0.21	0.025		
7/12/2006	193	11:05	8.29	7.49	29.1	0.64	0.54	0.92	0.02		
8/22/2006	234	10:55	5.18	7.21	25.4	0.58	0.907	1.24	0.192		
9/19/2006	262	11:10	7.98	7.43	17.9	0.87	0.441	1.00	0.038		
10/23/2006	296	11:50	10.32	7.88	9.4	0.93	1	3.75	0.057		
11/21/2006	325	11:25	10.91	7.45	7.7	1.01	0.883	2.06	0.052		60.5
12/6/2006	340	11:20	11.72	7.24	5	1.06	0.349	3.42	0.081		

55th St. West Sg Co.

LA55W

MDL = .003 mg/L

Date	Julian	Time	DO	pH	Temp	Cond	Fecal coliform	Escherichia coli	Fecal strep	Ammonia
3/7/2006	66	14:00	9.58	7.75	16.3	1.00				0.04
4/17/2006	107	13:00	8.19	8.06	23.5	1.26				xx
5/16/2006	136	11:00	8.09	7.32	17.9	1.04				
6/6/2006	157	11:10	7.47	7.52	25.8	0.76				0.04
7/12/2006	193	11:15	8.31	7.59	28.7	0.61				xx
8/22/2006	234	11:10	7.28	7.39	25.7	0.63				0.07
9/19/2006	262	11:20	8.14	7.59	18.2	0.91				
10/23/2006	296	12:00	12.25	8.15	10.4	0.91				0.08
11/21/2006	325	11:35	13.31	7.59	8.8	0.99		24.3		xx
12/6/2006	340	11:35	12.09	7.31	4.8	1.02				0.08

.00004 mg/L	.03 mg/L	5 mg/L	.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L	.03 mg/L	5 mg/L
Atrazine	**Br**	**Chloride**	**Cn**	**Flouride**	**Nitrate**	**Nitrite**	**Ortho Phos**	**Total Phos**	**Sulfate**
0.00054	0.23	89		0.3	0.69	xx	0.31	0.62	66
0.00069	0.32	133	xx	0.4	0.15	xx	0.27	0.66	57
0.00308	0.28	124		0.3	0.34	xx	0.42	0.925	36
0.00536	0.12	56		0.28	0.22	xx	0.44	0.82	36
0.0004	xx	47		0.31	0.44	xx	0.48	1.055	28
0.00013	xx	59		0.39	2.94	xx	0.77	0.9	57
xx	xx	52	xx	0.39	0.58	xx	0.52	1.115	66
0.00007	0.04	64		0.4	2.84	0.02	0.75	1.24	63

1 mg/L	4 mg/L	.01 NTU
Hardness	**TSS**	**Turbidity**
308	48	23.9
308	75	25
273	164	93
197	37	28.3
144	51	46.8
242	5	6.15
273	8	4.13
268	8.4	8.51

53rd North Sg Co.
LA53N

Date	Julian	Time	DO	pH	Temp	Cond	Phos	Nitrates	Ammonia	Fecal coliform	Escherichia coli
3/7/2006	66	14:35	10.31	7.69	16.4	1.02	0.447	1.2	0.16		
4/17/2006	107	13:35	8.32	8.07	23.5	1.26	0.617	0.183	0.023		
5/16/2006	136	11:55	7.89	7.27	19.1	0.94	0.654	1.67	0.138		
6/6/2006	157	11:45	8.42	7.96	25.4	0.88	0.481	0.094	0.036		
7/12/2006	193	12:00	8.87	8.09	28.9	0.75	0.452	0.655	0.027		
8/22/2006	234	11:50	7.18	7.41	26.3	0.86	0.788	1.53	0.124		
9/19/2006	262	12:00	9.36	7.59	17.9	0.93	0.509	1.17	0.048		
10/23/2006	296	12:35	10.61	8.08	10.2	0.97	0.872	3.43	0.086		
11/21/2006	325	12:10	12.96	7.62	8.8	1.02	0.403	3.05	0.053		51.2
12/6/2006	340	12:15	12.41	7.36	5.4	1.01	0.63	2	0.091		

29th St. North Sg Co.
LA29N

Date	Julian	Time	DO	pH	Temp	Cond	Fecal coliform	Escherichia coli	Fecal strep
3/7/2006	66	14:50	11.25	7.97	17.0	1.03			
4/17/2006	107	13:50	8.21	8.11	23.2	1.31			
5/16/2006	136	12:10	8.4	7.4	19.8	1.03			
6/6/2006	157	12:00	10.34	8.13	26.5	0.83			
7/12/2006	193	12:15	10.91	8.48	29.4	0.98			
8/22/2006	234	12:10	9.28	7.75	27.0	1.08			
9/19/2006	262	12:15	10.83	7.52	18.1	0.97			
10/23/2006	296	12:50	11.39	8.05	10.8	0.92			
11/21/2006	325	12:30	13.16	7.73	10.0	1.15		17.5	
12/6/2006	340	12:30	12.82	7.36	7.3	1.07			

MDL = .003 mg/L	.00004 mg/L	.03 mg/L	5 mg/L	.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L
Ammonia	**Atrazine**	**Br**	**Chloride**	**Cn**	**Flouride**	**Nitrate**	**Nitrite**	**Ortho Phos**
0.13	0.00063	0.24	110		0.33	1.1	xx	0.26
xx	0.000094	0.3	154	xx	0.38	0.12	xx	0.04
xx	0.00274	0.13	84		0.35	xx	xx	0.23
xx	0.00109	xx	100		0.4	xx	xx	0.1
0.08	xx	xx	85		0.48	1.84	0.06	0.47
0.05	xx	0.16	124		0.46	1.66	xx	0.24
xx	xx	0.2	106	xx	0.39	2.11	xx	0.26
0.05	0.00004	0.21	108		0.41	2.64	0.03	0.31

.03 mg/L	5 mg/L	1 mg/L	4 mg/L	.01 NTU
Total Phos	Sulfate	Hardness	TSS	Turbidity
0.48	75	307	20	8.66
0.64	69	316	145	21.6
0.84	66	253	157	73
347	88	278	98	36.2
0.84	75	243	39	26
0.37	97	290	16	6.81
0.72	87	292	17	2.96
0.47	90	297	6	4.11

Emma Creek Hv Co.

MDL = .003 mg/ .00004 mg/L

Date	Julian	Time	DO	HCEC pH	Temp	Cond	Fecal coliform	Escherichia coli	Fecal strep	Ammonia	Atrazine
3/7/2006	66	13:20	10.02	7.7	13.9	1.08				xx	0.00007
4/17/2006	107	12:30	8.59	7.82	23.3	1.29				xx	0.00024
5/16/2006	136	10:35	7.61	7.13	18.6	1.1					
6/6/2006	157	10:35	8.34	7.95	25.6	1.16				0.04	0.0014
7/12/2006	193	10:45	9.24	8.45	29.7	0.58				xx	0.00189
8/22/2006	234	10:40	7.14	7.29	26.5	4.51				0.04	0.00135
9/19/2006	262	10:55	9.32	7.75	17.9	0.77					
10/23/2006	296	11:20	11.64	8.14	9.2	0.91				0.07	0.00007
11/21/2006	325	11:00	13.25	7.76	7.7	0.91		3.1		0.06	0.00005
12/6/2006	340	11:10	14.21	7.14	4.6	1.03				0.06	0.0001

.03 mg/L	5 mg/L	.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L	.03 mg/L	5 mg/L	1 mg/L	4 mg/L	.01 NTU
Br	**Chloride**	**Cn**	**Flouride**	**Nitrate**	**Nitrite**	**Ortho Phos**	**Total Phos**	**Sulfate**	**Hardness**	**TSS**	**Turbidity**
0.36	135		0.23	0.22	xx	0.17	0.4	48	312	54	26.2
0.61	214	xx	0.4	xx	xx	0.24	0.51	40	309	77	31.5
0.31	185		0.3	0.08	xx	0.36	0.945	46	277	155	78.5
xx	37		0.29	xx	xx	0.38	0.68	47	185	55	29.3
xx	27		0.26	0.2	0.02	0.63	1.095	25	145	94	68.5
xx	46		0.31	1.03	xx	0.38	0.96	50	231	18	10.2
0.03	67	xx	0.29	0.16	xx	xx	0.935	41	231	64	7.02
0.04	81		0.29	0.8	xx	0.25	0.45	45	240	6	5.65

Date	Julian	Time	DO	Alta Mills HCAM pH	Temp	Cond	Fecal coliform	Escherichia coli	Fecal strep	MDL = .003 mg/L Ammonia	.00004 mg/L Atrazine
3/7/2006	66	12:15	9.81	7.63	13.4	1.18				xx	0.00016
4/17/2006	107	11:25	8.06	7.98	21.3	1.52				0.26	0.00022
5/16/2006	136	9:35	7.26	7.17	15	0.76					
6/6/2006	157	9:30	5.73	7.36	22.7	0.97				0.04	0.00315
7/12/2006	193	9:55	5.42	7.57	26.5	0.7				0.06	0.00439
8/22/2006	234	9:45	5.53	7.37	23.6	1.02				0.12	0.00055
9/19/2006	262	9:45	7.46	7.65	15.2	0.79					
10/23/2006	296	10:25	8.29	7.82	7.3	1.41				xx	0.00011
11/21/2006	325	10:05	8.46	7.51	5.6	1.32		38.9		0.06	xx
12/6/2006	340	10:20	9.98	7.28	2.6	1.69				xx	0.00018

.03 mg/L	5 mg/L	.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L	.03 mg/L	5 mg/L	1 mg/L	4 mg/L	.01 NTU
Br	Chloride	Cn	Flouride	Nitrate	Nitrite	Ortho Phos	Total Phos	Sulfate	Hardness	TSS	Turbidity
0.65	262		0.24	0.13	xx	0.21	0.49	51	390	32	13.2
0.62	219	xx	0.3	0.41	xx	0.53	0.72	40	364	41	18.1
0.44	145		0.28	0.69	0.02	0.45	0.91	30	252	171	110.5
0.18	80		0.31	xx	xx	0.43	0.77	34	225	55	44.6
0.09	168		0.28	0.2	0.03	0.32	0.775	32	211	91	62
0.29	301		0.27	0.66	xx	0.45	0.925	48	369	25	18.8
0.27	326	xx	0.3	0.38	xx	0.75	1.59	59	386	9	13.6
0.2	235		0.2	0.26	xx	0.52	0.98	46.3	323	10	9.52

48 St. South Hv Co.
HC48S

MDL = .003 mg/L

Date	Julian	Time	DO	pH	Temp	Cond	Fecal coliform	Escherichia coli	Fecal strep	Ammonia
3/7/2006	66	13:00	10.59	7.76	15.2	1.2				xx
4/17/2006	107	12:10	8.18	7.83	23	1.32				xx
5/16/2006	136	10:15	7.19	7.29	17.9	0.96				
6/6/2006	157	10:15	7.49	7.56	24.8	1.72				0.09
7/12/2006	193	10:30	7.53	7.42	28.1	0.51				0.05
8/22/2006	234	10:20	6.99	7.08	25.1	4.41				0.1
9/19/2006	262	10:25	10.13	7.31	16.3	0.83				
10/23/2006	296	11:10	10.38	7.84	7.9	0.96				0.12
11/21/2006	325	10:45	10.54	7.29	6.8	0.98		38.4		0.06
12/6/2006	340	10:55	12.12	7.38	3.6	1.15				xx

.00004 mg/L	.03 mg/L	5 mg/L	.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L	.03 mg/L	5 mg/L	1 mg/L	4 mg/L	.01 NTU
Atrazine	Br	Chloride	Cn	Flouride	Nitrate	Nitrite	Ortho Phos	Total Phos	Sulfate	Hardness	TSS	Turbidity
xx	0.41	158		0.24	0.49	xx	0.17	0.38	48	328	29	17
0.00025	0.65	222	xx	0.29	0.48	xx	0.29	0.54	42	354	45	17.6
0.00339	0.92	352		0.29	0.44	xx	0.4	0.72	50	357	48	27.8
0.00185	0.1	49		0.26	0.31	xx	0.6	0.77	27	154	35	23.2
0.00095	xx	27		0.21	0.58	xx	0.56	0.805	26	143	23	20.9
0.00042	0.11	75		0.34	3.4	xx	0.83	1.14	42	220	4	7.57
xx	0.1	78	xx	0.3	1.53	xx	0.45	0.825	39	240	5	4.47
0.0001	0.11	109		0.27	0.96	xx	0.25	0.575	43.9	263	6	4.55

12 St. North Harvey Co.
HC12N

MDL = .003 mg/L .00004 mg/L

Date	Julian	Time	DO	pH	Temp	Cond	Fecal coliform	Escherichia coli	Fecal strep	Ammonia	Atrazine
3/7/2006	66	12:35	9.85	7.74	14.2	1.12				xx	xx
4/17/2006	107	11:50	8.13	7.95	21.7	1.45				0.03	0.00022
5/16/2006	136	9:55	6.83	7.2	17.8	0.89					
6/6/2006	157	9:45	5.24	6.96	24.2	0.75				0.22	0.00642
7/12/2006	193	10:05	5.18	7.45	26.9	0.63				0.18	0.00477
8/22/2006	234	10:00	5.92	7.29	24.8	1.08				0.21	0.00245
9/19/2006	262	10:00	6.76	7.27	16.7	0.84					
10/23/2006	296	10:40	8.86	7.89	10.3	1.01				0.06	0.00014
11/21/2006	325	10:25	9.63	7.26	6.3	1.1		218.7		xx	0.00005
12/6/2006	340	10:35	10.62	7.34	3.1	1.31				xx	0.00008

.03 mg/L	5 mg/L	.005 mg/L	.02 mg/L	.01 mg/L	0.02 mg/L	.01 mg/L	.03 mg/L	5 mg/L	1 mg/L	4 mg/L	.01 NTU
Br	Chloride	Cn	Flouride	Nitrate	Nitrite	Ortho Phos	Total Phos	Sulfate	Hardness	TSS	Turbidity
0.5	197		0.24	0.1	xx	0.11	0.32	44	341	32	17.9
0.82	264	xx	0.26	xx	xx	0.15	0.34	36	381	27	7.52
0.3	118		0.24	0.64	0.03	0.4	0.87	21	177	73	92
0.16	64		0.26	0.03	xx	0.36	0.48	26	196	29	17.2
xx	32		0.27	0.08	xx	0.24	0.495	17	96	23	28
0.14	132		0.28	0.11	xx	0.2	0.49	33	238	16	11.7
0.14	133	xx	0.22	0.1	xx	0.25	0.515	31	260	7	4.58
0.1	155		0.24	0.14	xx	0.24	0.46	37.3	273	9.6	5.09

69th St. North Sg Co. 2nd Sample

LA69N

MDL (mg/L) =

Date	Julian	Time	DO	pH	Temp	Cond	Fecal coliform	Escherichia coli	Fecal strep
3/29/2006	88								
4/27/2006	117	12:15	8.32	7.49	18.1	1.09			
5/24/2006	144	11:45	8.74	8.04	25.9	0.85			
6/27/2006	178	11:50	6.18	6.93	25.1	0.36			
7/25/2006	206	11:15	7.19	7.63	26.8	0.76			
8/29/2006	241	11:40	6.74	6.82	23.2	0.51			
9/26/2006	269	11:50	7.68		18.9	0.88			
10/31/2006	304	11:45	11.06	8.05	8.2	1.04			
11/14/2006	318	12:15	11.06	7.72	10.2	0.95			
11/21/2006	325	11:55	12.07	7.29	8.1	0.98			
12/19/2006	353	12:00	12.05	7.51	4.7	0.79			

0.03	0.00004	0.01	0.001	0.005	0.03	0.005	0.03	5
Ammonia-N	**Atrazine**	**Antimony**	**Arsenic**	**Beryllium**	**Bromide**	**Cadmium**	**Calcium**	**Chloride**
xx		xx	0.015	xx	0.22	xx	93.79	92
0.32					0.2			86
xx					0.22			88
0.16		xx	0.019	xx	0.04	0.008	34.68	24
0.04					0.06			28
0.22					xx			30
0.04					xx			47
xx	0.0001	xx	0.013	xx	xx	xx	89.3	52
0.06					0.08			61

0.008	0.005	0.005	0.02	0.1	0.001	0.05	0.005	0.0001
Chromium	Copper	Cyanide	Flouride	Iron	Lead	Magnesium	Manganese	Mercury
xx	xx		0.34 0.35 0.31	0.581	xx	17.53	0.41	xx
0.012	0.008	xx	0.23 0.4 0.3	12.248	xx	8.36	0.423	xx
xx	xx	xx	0.39 0.4 0.4	0.274	xx	16.1	0.144	xx

0.01	0.015	0.01	0.02	0.01	0.03	0.005	0.01	5	0.01
Molybdenum	**Nickel**	**Nitrate-N**	**Nitrite-N**	**Ortho Phos**	**Total Phos**	**Selinium**	**Silver**	**Sulfate**	**Thallium**
xx	xx	0.93	xx	0.31	0.62	xx	xx	69	xx
		1.1	xx	0.58	0.9			60	
		0.15	xx	0.33	0.615			38	
xx	xx	1.04	xx	0.53	1.17	xx	xx	18	0.012
		0.02	xx	0.23	0.4			82	
		1.54	0.06	0.71	1.195			40	
		0.16	xx	0.36	0.595			69	
xx	xx	0.53	xx	0.47	0.89	xx	xx	72	xx
		2.14	xx	0.43	0.8			69	

1	4	.01 NTU	0.005
Hardness	**TSS**	**Turbidity**	**Zinc**
311	52.4	26.9	0.056
282	66	28.4	
256	75	39	
125	226	191	xx
285	24	16	
157	154	105	
270	19.6	8.2 Q	
283	8	4.55	xx
276	7.20 Q	5.55	

55th St. West Sg Co. 2nd Sample

MDL (mg/L) =

Date	Julian	Time	DO	LA55W pH	Temp	Cond	Fecal coliform	Escherichia coli	Fecal strep
3/29/2006	88								
4/27/2006	117	12:00	8.49	7.54	17.9	1.12			
5/24/2006	144	11:20	8.16	8.11	25.6	0.88			
6/27/2006	178	11:15	5.97	6.85	24.7	0.34			
7/25/2006	206	11:05	7.24	7.61	27.3	0.78			
8/29/2006	241	11:10	7.29	7.11	23.8	1.16			
9/26/2006	269	11:30	8.79		18.6	0.87			
10/31/2006	304	11:30	13.91	8.2	8.4	1.03			
11/14/2006	318	11:50	13.51	7.73	10.1	0.94			
11/21/2006	325	11:35	13.31	7.59	8.8	0.99			
12/19/2006	353	11:45	12.61	7.49	4.9	0.93			

0.03	0.00004	0.01	0.001	0.005	0.03	0.005	0.03	5
Ammonia-N	**Atrazine**	**Antimony**	**Arsenic**	**Beryllium**	**Bromide**	**Cadmium**	**Calcium**	**Chloride**
xx		xx	0.013	xx	0.22	0.005	94.29	93
0.24					0.19			79
xx					0.2			114
0.18		xx	0.016	xx	0.05	0.006	31.7	25
0.05					0.11			53
0.09					0.06			126
0.05					xx			53
xx	xx	xx	0.015	xx	xx	xx	89.27	52
0.05					0.1			90

0.008	0.005	0.005	0.02	0.1	0.001	0.05	0.005	0.0001	0.01
Chromium	Copper	Cyanide	Flouride	Iron	Lead	Magnesium	Manganese	Mercury	Molybdenum
xx	xx		0.33 0.31 0.4	0.698	xx	17.62	0.415	xx	xx
xx	0.009	xx	0.22 0.32 0.32	4.951	xx	6.24	0.283	xx	xx
0.035	0.012	xx	0.36 0.39 0.35	1.057	xx	15.58	0.195	xx	xx

0.015	0.01	0.02	0.01	0.03	0.005	0.01	5	0.01	1
Nickel	**Nitrate-N**	**Nitrite-N**	**Ortho Phos**	**Total Phos**	**Selinium**	**Silver**	**Sulfate**	**Thallium**	**Hardness**
xx	1.1	xx	0.3	0.645	xx	xx	68	xx	318
	0.85	xx	0.49	0.7			55		262
	0.13	xx	0.26	0.585			77		296
xx	1.04	xx	0.52	1.06	xx	xx	15	xx	109
	0.75	xx	0.65	0.48			35		261
	1.04	0.03	0.4	0.76			36		196
	0.03	xx	0.37	0.715			57		270
0.022	0.58	xx	0.52	1.115	xx	xx	66	xx	273
	1.88	xx	0.44	0.77			58		279

4	**.01 NTU**	**0.005**
TSS	**Turbidity**	**Zinc**
55.2	27.2	0.058
52	22.8	
67	31	
132	154	xx
129	49.3	
55	36.6	
23.2	12.5 Q	
8	4.13	xx
10.8 Q	5.99	

29th St. North Sg Co. 2nd Sample

MDL (mg/L) =

Date	Julian	Time	DO	LA29N pH	Temp	Cond	Fecal coliform	Escherichia coli	Fecal strep
3/29/2006	88								
4/27/2006	117	12:30	8.16	7.59	18.3	1.04			
5/24/2006	144	12:00	10.69	8.17	26.8	0.99			
6/27/2006	178	12:15	6.69	7.01	26.3	0.42			
7/25/2006	206	11:35	7.09	7.69	27.8	0.81			
8/29/2006	241	12:00	6.74	6.82	23.2	0.51			
9/26/2006	269	12:15	8.96		19.2	0.93			
10/31/2006	304	12:05	12.18	7.98	8.5	1.07			
11/14/2006	318	12:40	12.09	7.49	10.8	1.10			
11/21/2006	325	12:30	13.16	7.73	10	1.15			
12/19/2006	353	12:15	13.56	7.49	5.4	0.79			

0.03	0.00004	0.01	0.001	0.005	0.03	0.005	0.03	5
Ammonia-N	**Atrazine**	**Antimony**	**Arsenic**	**Beryllium**	**Bromide**	**Cadmium**	**Calcium**	**Chloride**
xx		xx	0.013	xx	0.25	xx	94.6	115
0.22					0.22			116
xx					0.19			82
0.14		xx	0.019	xx	0.04	0.006	36.74	27
0.05					0.07			45
0.12					xx			63
0.05					xx			86
xx	xx	xx	0.013	xx	0.2	xx	94.49	106
xx					0.16			110

0.008	0.005	0.005	0.02	0.1	0.001	0.05	0.005	0.0001	0.01
Chromium	**Copper**	**Cyanide**	**Flouride**	**Iron**	**Lead**	**Magnesium**	**Manganese**	**Mercury**	**Molybdenum**
xx	xx		0.36 0.44	1.162	xx	18.52	0.31	xx	xx
0.011	0.008	xx	0.39 0.25 0.4 0.36	10.924	xx	8.94	0.437	xx	xx
xx	xx	xx	0.39 0.39 0.4	0.23	xx	17.81	0.1	xx	xx

0.015	0.01	0.02	0.01	0.03	0.005	0.01	5	0.01	1
Nickel	**Nitrate-N**	**Nitrite-N**	**Ortho Phos**	**Total Phos**	**Selinium**	**Silver**	**Sulfate**	**Thallium**	**Hardness**
xx	1.22	0.02	0.25	0.525	xx	xx	76	xx	310
	2.52	xx	0.72	0.98			78		310
	1.13	xx	0.61	0.965			52		289
xx	1.02	xx	0.51	1.14	xx	xx	23	xx	117
	0.45	xx	0.43	0.6			84		284
	xx	0.05	0.61	1.12			50		172
	1.08	0.02	0.22	0.385			83		297
xx	2.11	xx	0.26	0.72	xx	xx	87	xx	292
	1.65	xx	0.25	0.545			85		282

4	.01 NTU	0.005
TSS	**Turbidity**	**Zinc**
56	24.8	0.025
53	25.1	
72	35.7	
256	193	xx
36	192	
109	82.5	
12.8	7.13 Q	
17	2.96	xx
4.00 Q	2.42	

Emma Creek Hv Co. 2nd Sample

MDL (mg/L) =

Date	Julian	Time	DO	HCEC pH	Temp	Cond	Fecal coliform	Escherichia coli	Fecal strep
3/29/2006	88								
4/27/2006	117	11:45	8.63	7.56	17.8	1.01			
5/24/2006	144	10:55	7.42	8.01	26.1	0.81			
6/27/2006	178	10:55	6.12	6.85	24.4	0.31			
7/25/2006	206	10:45	7.17	7.87	27.9	0.67			
8/29/2006	241	10:45	7.12	6.92	24.7	3.36			
9/26/2006	269	11:10	8.85		18.8	0.73			
10/31/2006	304	11:10	12.33	8.21	8.5	0.89			
11/14/2006	318	11:25	12.89	7.92	9.3	0.91			
11/21/2006	325	11:00	13.25	7.76	7.7	0.91			
12/19/2006	353	11:15	13.64	7.67	4.2	0.93			

0.03	**0.00004**	**0.01**	**0.001**	**0.005**	**0.03**	**0.005**	**0.03**	**5**
Ammonia-N	**Atrazine**	**Antimony**	**Arsenic**	**Beryllium**	**Bromide**	**Cadmium**	**Calcium**	**Chloride**
0.03		xx	0.014	xx	0.32	xx	100.43	150
0.05					0.45			152
xx					0.18			79
0.19		xx	0.015	xx	0.05	xx	29.33	25
0.05					0.08			40
xx					xx			19
0.04					0.17			67
0.06	0.00005	xx	0.016	xx	0.03	xx	77.74	67
0.05					0.11			101

0.008	0.005	0.005	0.02	0.1	0.001	0.05	0.005	0.0001
Chromium	**Copper**	**Cyanide**	**Flouride**	**Iron**	**Lead**	**Magnesium**	**Manganese**	**Mercury**
xx	xx		0.26 0.24 0.39	0.498	xx	16.05	0.807	xx
xx	xx	xx	0.21 0.34 0.23	4.372	xx	5.44	0.266	xx
xx	xx	xx	0.31 0.29 0.26	0.697	xx	11.26	0.531	xx

0.01	0.015	0.01	0.02	0.01	0.03	0.005	0.01	5	0.01
Molybdenum	**Nickel**	**Nitrate-N**	**Nitrite-N**	**Ortho Phos**	**Total Phos**	**Selinium**	**Silver**	**Sulfate**	**Thallium**
xx	xx	0.06	xx	0.15	0.475	xx	xx	45	xx
		0.29	xx	0.32	0.55			35	
		0.15	xx	0.39	0.61			57	
xx	xx	1.05	0.05	0.48	0.94	xx	xx	14	xx
		0.07	xx	0.63	1			38	
		0.44	0.02	0.41	0.755			17	
		0.13	xx	0.41	0.585			42	
xx	xx	0.16	xx	xx	0.935	xx	xx	41	xx
		0.17	xx	0.21	0.53			42	

1	4	.01 NTU	0.005
Hardness	**TSS**	**Turbidity**	**Zinc**
320	46	26.6	0.086
302	57	32.5	
288	71	36	
96	132	161	xx
270	206	72.5	
106	117	92	
234	10.4	3.97 Q	
231	64	7.02	xx
246	4.00 Q	4.09	

Alta Mills 2nd Sample

HCAM

Date	Julian	Time	DO	pH	Temp	Cond	Fecal coliform	Escherichia coli	MDL (mg/L) = Fecal strep
3/29/2006	88								
4/27/2006	117	10:50	7.83	7.43	15.1	1.34			
5/24/2006	144	10:00	5.66	7.41	23.2	0.82			
6/27/2006	178	10:00	6.15	6.95	22.8	0.44			
7/25/2006	206	9:50	5.68	7.44	25.3	1.47			
8/29/2006	241	9:35	6.22	7.34	22.1	1.48			
9/26/2006	269	9:45	5.76		15.8	1.77			
10/31/2006	304	9:55	8.36	7.85	7.3	1.64			
11/14/2006	318	10:00	6.24	7.41	7.4	1.38			
11/21/2006	325	10:05	8.46	7.51	5.6	1.32			
12/19/2006	353	10:15	9.84	7.49	3.2	0.91			

0.03	0.00004	0.01	0.001	0.005	0.03	0.005	0.03	5
Ammonia-N	**Atrazine**	**Antimony**	**Arsenic**	**Beryllium**	**Bromide**	**Cadmium**	**Calcium**	**Chloride**
0.05		xx	0.015	xx	0.6	0.005	124.62	260
0.36					0.55			195
xx					0.23			93
0.14		xx	0.014	xx	0.12	0.007	39.35	49
0.04					1.78			303
0.07					0.16			294
0.05					0.16			196
0.06	xx	xx	0.016	xx	0.27	xx	131.53	326
xx					0.21			277

0.008	0.005	0.005	0.02	0.1	0.001	0.05	0.005	0.0001
Chromium	**Copper**	**Cn**	**Flouride**	**Iron**	**Lead**	**Magnesium**	**Manganese**	**Mercury**
xx	xx		0.27 0.3 0.29	0.652	xx	22.12	0.685	xx
xx	0.007	xx	0.23 0.26 0.29	6.59	xx	7.64	0.28	xx
xx	xx	xx	0.29 0.3 0.24	0.866	xx	15.2	0.698	xx

0.01	0.015	0.01	0.02	0.01	0.03	0.005	0.01	5
Molybdenum	**Nickel**	**Nitrate-N**	**Nitrite-N**	**Ortho Phos**	**Total Phos**	**Selinium**	**Silver**	**Sulfate**
xx	xx	0.02	xx	0.16	0.55	xx	xx	44
		0.43	xx	0.52	0.76			38
		0.61	xx	0.45	0.785			36
xx	xx	0.96	0.03	0.44	1	xx	xx	18
		0.12	xx	0.29	0.48			34
		0.43	0.03	0.4	0.67			55
		0.53	xx	0.54	1.075			58
xx	xx	0.38	xx	0.75	1.59	xx	xx	59
		0.09	xx	0.41	0.645			57

0.01	1	4	.01 NTU	0.005
Thallium	Hardness	TSS	Turbidity	Zinc
xx	366	58	26.4	0.022
	378	58	28.9	
	269	106	66.5	
0.011	128	156	144	xx
	354	39.6	23.5	
	306	62	42.3	
	375	15.6	14.9 Q	
xx	386	9	13.6	xx
	354	5.20 Q	5.82	

48 St. South Hv Co. 2nd Sample

HC48S

Date	Julian	Time	DO	pH	Temp	Cond	Fecal coliform	Escherichia coli	MDL (mg/L) = Fecal strep
3/29/2006	88								
4/27/2006	117	11:30	8.36	7.57	18.3	1.22			
5/24/2006	144	10:40	7.92	7.58	24.9	0.87			
6/27/2006	178	10:40	5.69	6.86	24.8	0.31			
7/25/2006	206	10:25	8.02	7.58	27.1	0.74			
8/29/2006	241	10:25	8.13	7.06	23.3	4.33			
9/26/2006	269	10:40	7.89		17.3	0.91			
10/31/2006	304	10:45	10.78	7.86	6.8	0.97			
11/14/2006	318	11:05	8.47	7.35	9.0	1.00			
11/21/2006	325	10:45	10.54	7.29	6.8	0.98			
12/19/2006	353	10:50	10.83	7.39	3.6	0.96			

0.03	0.00004	0.01	0.001	0.005	0.03	0.005	0.03	5
Ammonia-N	**Atrazine**	**Antimony**	**Arsenic**	**Beryllium**	**Bromide**	**Cadmium**	**Calcium**	**Chloride**
0.32		xx	0.016	xx	0.42	0.006	107.55	177
xx					0.54			182
xx					0.28			108
0.23		xx	0.016	xx	0.05	0.005	29.27	25
0.09					0.09			62
0.07					xx			30
0.06					0.11			93
0.06	xx	xx	0.014	xx	0.1	xx	82.64	78
xx					0.14			141

0.008	0.005	0.005	0.02	0.1	0.001	0.05	0.005	0.0001
Chromium	Copper	Cyanide	Flouride	Iron	Lead	Magnesium	Manganese	Mercury
xx	xx		0.24 0.28 0.29	0.434	xx	17.12	0.452	xx
xx	xx	xx	0.21 0.34 0.29	4.306	xx	5.46	0.281	xx
xx	xx	xx	0.27 0.3 0.25	0.37	xx	11.22	0.128	xx

0.01	0.015	0.01	0.02	0.01	0.03	0.005	0.01	5
Molybdenum	**Nickel**	**Nitrate-N**	**Nitrite-N**	**Ortho Phos**	**Total Phos**	**Selinium**	**Silver**	**Sulfate**
xx	xx	0.07	xx	0.21	0.425	xx	xx	45
		0.52	xx	0.32	0.58			36
		0.32	xx	0.4	0.14			36
xx	xx	1.1	0.06	0.46	0.84	xx	xx	14
		xx	0.06	1.05	0.95			42
		1.71	0.02	0.5	0.765			25
		0.86	xx	0.48	0.945			36
xx	xx	1.53	xx	0.45	0.825	xx	xx	39
		0.51	xx	0.26	0.525			42

0.01	1	4	.01 NTU	0.005
Thallium	**Hardness**	**TSS**	**Turbidity**	**Zinc**
xx	338	27.2	16.7	0.169
	335	41	21.5	
	265	25	17.5	
xx	99	124	156	xx
	230	145	60.8	
	131	44	34	
	233	7.2	3.65 Q	
xx	240	5	4.47	xx
	292	4.80 Q	3.98	

12 St. North Harvey Co. 2nd Sample

Date	Julian	Time	DO	HC12N pH	Temp	Cond	Fecal coliform	Escherichia coli	MDL (mg/L) = Fecal strep
3/29/2006	88								
4/27/2006	117	11:05	7.56	7.41	17.7	1.14			
5/24/2006	144	10:15	8.83	8.06	24.5	0.73			
6/27/2006	178	10:20	5.58	6.76	24.3	0.38			
7/25/2006	206	10:05	4.71	7.46	25.7	0.72			
8/29/2006	241	9:45	6.32	7.18	23.9	0.95			
9/26/2006	269	10:20	6.93		16.2	0.9			
10/31/2006	304	10:15	10.2	7.93	7.5	1.1			
11/14/2006	318	10:25	8.95	7.52	8.8	1.08			
11/21/2006	325	10:25	9.63	7.26	6.3	1.1			
12/19/2006	353	10:30	10.76	7.14	4	0.87			

0.03	0.00004	0.01	0.001	0.005	0.03	0.005	0.03
Ammonia-N	**Atrazine**	**Antimony**	**Arsenic**	**Beryllium**	**Bromide**	**Cadmium**	**Calcium**
xx		xx	0.016	xx	0.5	xx	110.9
xx					0.41		
0.03					0.18		
0.24		xx	0.015	xx	0.09	xx	33.55
0.1					0.18		
0.07					0.09		
0.05					0.16		
xx	0.00005	xx	0.018	xx	0.14	xx	91.02
0.03					0.13		

5	0.008	0.005	0.005	0.02	0.1	0.001	0.05	0.005
Chloride	**Chromium**	**Copper**	**Cyanide**	**Flouride**	**Iron**	**Lead**	**Magnesium**	**Manganese**
303	xx	0.005		0.26	0.556	xx	17.88	0.475
152				0.26				
74				0.27				
38	xx	xx	xx	0.21	2.693	xx	5.96	0.305
79				0.29				
122				0.28				
165				0.23				
133	xx	xx	xx	0.22	0.292	xx	11.22	0.262
154				0.23				

0.0001	0.01	0.015	0.01	0.02	0.01	0.03	0.005	0.01
Mercury	**Molybdenum**	**Nickel**	**Nitrate-N**	**Nitrite-N**	**Ortho Phos**	**Total Phos**	**Selinium**	**Silver**
xx	xx	xx	0.03	xx	0.14	0.53	xx	xx
			0.12	xx	0.37	0.54		
			0.18	xx	0.3	0.495		
xx	xx	xx	1.01	0.05	0.45	0.81	xx	xx
			0.03	xx	0.34	0.5		
			0.2	0.02	0.22	0.47		
			0.08	xx	0.36	0.405		
xx	xx	xx	0.1	xx	0.25	0.515	xx	xx
			xx	xx	0.23	0.565		

5	0.01	1	4	.01 NTU	0.005
Sulfate	**Thallium**	**Hardness**	**TSS**	**Turbidity**	**Zinc**
43	xx	350	70.4	28.9	0.33
33		321	32	14	
32		246	32	21.5	
16	xx	113	126	140	xx
25		234	15.6	14.6	
28		228	22	17.8	
36		257	19.2	3.57 Q	
31	xx	260	7	4.58	xx
35		287	10.0 Q	6.7	

APPENDIX L

Storm Event Test Results

By

Sample Site

City of Wichita

2007

Appendix L

Lab Results 2007 Storm Events

City of Wichita
by Sample Site

Site	Date	pH	Temperature (C)	Fecal coliform	Fecal strep
Huntington	3/20/2007	7.78	12.3	364	5,700
Huntington	6/13/2007	8.17	21.9	34,000	45,000
Huntington	10/2/2007	7.84	22.7	1,732.9	
Upstream Towne East	3/20/2007	7.47	12.3	2400	6909
Upstream Towne East	6/13/2007	7.21	22.5	12,000	27,000
Towne East	3/20/2007	6.97	10.6	4,500	47,000
Towne East	6/13/2007	8.14	23.6	1,727	21,000
Towne East	10/2/2007	7.73	23.4	>2419.2	
Upstream McLean	3/20/2007	7.4	12.8	636	12,636
Upstream McLean	6/13/2007	8.27	23.3	22,909	128,000
McLean	3/20/2007	7.61	12.9	6,727	474,000
McLean	6/13/2007	7.82	22.1	6,182	93,000
McLean	10/2/2007	8.86	23.7	>2419.2	
Broadway	3/20/2007	7.98	13.2	91	30,000
Broadway	6/13/2007	7.98	23.4	32,000	33,000
Broadway	10/2/2007	7.29	22.2	>2419.2	
Ind.1 Rusty Eck	10/2/2007	7.95	23.1	20.1	
Ind. 2 Kellogg Expwy	10/2/2007	7.62	21.8	2,419.2	

Lab Results 2007 Storm Events

by Storm Event

Site	Date	pH	Temperature (C)	Fecal coliform	Fecal strep
Huntington	3/20/2007	7.78	12.3	364	5,700
Upstream Towne East	3/20/2007	7.47	12.3	2400	6909
Towne East	3/20/2007	6.97	10.6	4,500	47,000
Upstream McLean	3/20/2007	7.4	12.8	636	12,636
McLean	3/20/2007	7.61	12.9	6,727	474,000
Broadway	3/20/2007	7.98	13.2	91	30,000
Huntington	6/13/2007	8.17	21.9	34,000	45,000
Upstream Towne East	6/13/2007	7.21	22.5	12,000	27,000
Towne East	6/13/2007	8.14	23.6	1,727	21,000
Upstream McLean	6/13/2007	8.27	23.3	22,909	128,000
McLean	6/13/2007	7.82	22.1	6,182	93,000
Broadway	6/13/2007	7.98	23.4	32,000	33,000
				E. coli	
Huntington	10/2/2007	7.84	22.7	1,732.9	
Towne East	10/2/2007	7.73	23.4	>2419.2	
McLean	10/2/2007	8.86	23.7	>2419.2	
Broadway	10/2/2007	7.29	22.2	>2419.2	
Ind.1 Rusty Eck	10/2/2007	7.95	23.1	20.1	
Ind. 2 Kellogg Expwy	10/2/2007	7.62	21.8	2,419.2	

Storm Event Test Results
For
Winter

City of Wichita

2007

An extended dry spell prevented collection of a 'Winter' sample.

Storm Event Test Results
For
Spring

City of Wichita

2007

CITY OF WICHITA SEWAGE TREATMENT DIVISION
BACTERIOLOGICAL RESULTS

SAMPLE ID	DATE OF ANALYSIS	FECAL COLIFORM CFU/100 ML	E.COLI IDEXX MPN/100 ML	FECAL STREP CFU/100 ML
Huntington	3/20/07	364		5700
Towne East		4500		47,000
McLean		6727		474,000
Broadway		91		30,000
McLean Upstream		636		12,636
Towne East Upstream		2400		6,909

Continental
Analytical Services, Inc.

04/18/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 03/20/2007
Continental File No.: 5611
Continental Order No.: 24650
Project ID: Stormwater Wint

Dear Mr. Hardesty:

This laboratory report, consisting of 9 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07031714	Town East Stormwater	Liquid	3/20/2007

The Appendix and Quality Control Report are integral parts of this laboratory report and may contain important data qualifiers. The original chain of custody and cooler/sample receipt form are enclosed as separate documents to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830
KDHE Environmental Laboratory Accreditation No. E-10146

Continental
Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24650

Lab Number: 07031714
Sample Description: Town East Stormwater

Date Sampled: 03/20/2007
Time Sampled: 0459

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/12
Wichita S.W. Herbicides			
Dicamba	NA	µg/L	6231/41
Picloram	ND(1.0)	µg/L	6231/41
MCPP	ND(200)	µg/L	6231/41
2,4-D	ND(1.0)	µg/L	6231/41
Wichita S.W. NP Pest			
Diazinon	NA	µg/L	6175/59
Malathion	NA	µg/L	6175/59
Prometon	ND(0.5)	µg/L	6175/59
Trichlorfon	NA	µg/L	6175/59
Wichita S.W. OC Pest	QC		
Hexachlorobenzene	ND(0.5)	µg/L	6239/80
Trifluralin	NA	µg/L	6239/80
Cadmium, Total	ND(0.003)	mg/L	6290/1
Copper, Total	ND(0.020)	mg/L	6290/1
Hardness (Calculated)	35.2	mg/L as CaCO3	6290/6
Silver, Total	ND(0.010)	mg/L	6290/1
Zinc, Total	0.108	mg/L	6290/1
Chloride	3.7	mg/L	6283/38
Cyanide, Total	ND(0.02)	mg/L	6247/41
Hexane Extractable Material	ND(5.0)	mg/L	6208/24
Solids, Total Dissolved	ND(30)	mg/L	6246/100
Solids, Total Suspended	180.	mg/L	6246/99

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	03/27/2007	04/08/2007	070327-5	3LC1097	SPA	632(M)
Wichita S.W. Herbicides	03/27/2007	04/12/2007	070327-2	2EX5101	JMM	8151A
Wichita S.W. NP Pest	03/27/2007	04/17/2007	070327-4	1EX1107	LPL	8141A
Wichita S.W. OC Pest	03/27/2007	04/04/2007	070327-1	2EX6094	SPA	8081A
Cadmium, Total	03/23/2007	03/27/2007	070323-3	7IP2086	KMW	200.7
Copper, Total	03/23/2007	03/27/2007	070323-3	7IP2086	KMW	200.7
Hardness (Calculated)	03/30/2007	03/31/2007	070330-2	14IP2090	KMW	200.7 & SM 2340B
Silver, Total	03/23/2007	03/27/2007	070323-3	7IP2086	KMW	200.7

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24650

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Zinc, Total	03/23/2007	03/27/2007	070323-3	7IP2086	KMW	200.7
Chloride	N/A	04/05/2007	070405-1	070405-3	JDL	300.0
Cyanide, Total	N/A	03/26/2007	070326-1	070326-1	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	03/30/2007	070330-1	070330-1	SRE	1664
Solids, Total Dissolved	N/A	03/27/2007	070327-1	070327-1	JCO	SM 2540C
Solids, Total Suspended	N/A	03/27/2007	070327-1	070327-1	JCO	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07031714

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24650

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

NA - Not Analyzed.

QC - QC data qualifiers were noted. See the Quality Control Report.

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24650

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	070327-5	070327BLK5	070327LCS5	07031715MS
Lab numbers associated with this batch: 07031714					
CL328	Wichita S.W. Herbicides	070327-2	070327BLK2	070327LCS2	07031714MS
Lab numbers associated with this batch: 07031714					
CL334	Wichita S.W. NP Pest	070327-4	070327BLK4	070327LCS4	07031718MS
Lab numbers associated with this batch: 07031714					
CL352	Wichita S.W. OC Pest	070327-1	070327BLK1	070327LCS1	07031713MS
Lab numbers associated with this batch: 07031714					
SL306	Cadmium, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL313	Copper, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL353	Silver, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL369	Zinc, Total	070323-3	070323BLK3	070323LCS3	07031714MS
Lab numbers associated with this batch: 07031714					
SL323	Hardness (Calculated)	070330-2	070330BLK2	070330LCS2	07031716MS
Lab numbers associated with this batch: 07031714					
GL502	Chloride	070405-1	070405BLK1	070405LCS1	07040285MS
Lab numbers associated with this batch: 07031714					
GL158	Cyanide, Total	070326-1	070326BLK1	070326LCS1	07031832MS
Lab numbers associated with this batch: 07031714					
GL188	Hexane Extractable Material	070330-1	070330BLK1	070330LCS1	07031224MS
Lab numbers associated with this batch: 07031714					
GL242	Solids, Total Dissolved	070327-1	070327BLK1	070327LCS1	07032101MS
GL243	Solids, Total Suspended	070327-1	070327BLK1	070327LCS1	07031812MS
Lab numbers associated with this batch: 07031714					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24650

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070323-3	For samples prepared on: 03/23/2007					Spiked sample: 07031714+						
Cadmium, Total	ND(0.003)	99.4	85.0-115	0.5	mg/L	97.4	98.8	88.1-107	0.5	mg/L	1.4	3.7
Copper, Total	ND(0.020)	103	85.0-115	0.5	mg/L	102	103	93.8-113	0.5	mg/L	1.0	3.7
Silver, Total	ND(0.010)	102	85.0-115	0.1	mg/L	99.6	100	94.3-114	0.1	mg/L	0.4	4.1
Zinc, Total	ND(0.020)	96.9	85.0-115	0.5	mg/L	91.5	93.1	85.3-111	0.5	mg/L	1.7	6.5
QC Batch: 070326-1	For sample analyzed on: 03/26/2007					Spiked sample: 07031832						
Cyanide, Total	ND(0.02)	105.	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3
QC Batch: 070327-1	For samples prepared on: 03/27/2007					Spiked sample: 07031713						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	94.4	#	0.5	µg/L			#	0.5	µg/L	**	#
Trifluralin	ND(0.5)	93.8	#	1.3	µg/L			#	1.3	µg/L	**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	87.0	87.0	30.0-125	0.5	µg/L	MN	MN	30.0-125	0.5	µg/L	**	
Decachlorobiphenyl(DCB)	101. CL	102. CL	8.70-127	0.5	µg/L	MN	MN	8.70-127	0.5	µg/L	**	
QC Batch: 070327-1	For sample analyzed on: 03/27/2007					Spiked sample: 07031812						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#		mg/L	**	24.4
QC Batch: 070327-1	For sample analyzed on: 03/27/2007					Spiked sample: 07032101						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#		mg/L	**	5.5
QC Batch: 070327-2	For samples prepared on: 03/27/2007					Spiked sample: 07031714+						
Wichita S.W. Herbicides												
Dicamba	ND(1.0)	81.2	63.0-131	4.0	µg/L	92.9	92.8	78.5-122	4.0	µg/L	0.1	11.4
Picloram	ND(1.0)	45.0	6.40-108	4.0	µg/L	86.5	91.5	10.7-111	4.0	µg/L	5.6	21.5
MCPP	ND(200)	137.	87.2-167	400	µg/L	155.	161.	60.2-198	400	µg/L	3.8	8.3
2,4-D	ND(1.0)	78.4	51.7-139	4.0	µg/L	93.4	94.1	53.5-135	4.0	µg/L	0.7	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	87.9	94.5	63.3-134	5.0	µg/L	95.9	98.6	63.3-134	5.0	µg/L		
QC Batch: 070327-4	For samples prepared on: 03/27/2007					Spiked sample: 07031718						
Wichita S.W. NP Pest						MN	MN					
Diazinon	NA	NA	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	NA	NA	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	73.8	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	NA	NA	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
DMNB(Pesticides)	92.2	67.5	66.6-106	20.0	µg/L	MN	MN	66.6-106	10.0	µg/L	**	
QC Batch: 070327-5	For samples prepared on: 03/27/2007					Spiked sample: 07031715						
Diuron	ND(5.0)	85.8	#	10.0	µg/L	MN	MN	#	10.0	µg/L	**	#
Surrogates:												
Neburon	89.7	88.8	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 070330-1	For sample analyzed on: 03/30/2007					Spiked sample: 07031224						
Hexane Extractable Material	ND(1.4)	86.3	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0
QC Batch: 070330-2	For samples prepared on: 03/30/2007					Spiked sample: 07031716						
Hardness (Calculated)	ND(5.0)	103.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 070405-1	For sample analyzed on: 04/05/2007					Spiked sample: 07040285						

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24650

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070405-1	For sample analyzed on: 04/05/2007					Spiked sample: 07040285						
Chloride	ND(1.0)	95.9	90.0-110	4.0	mg/L	MN	MN	69.5-127	80.0	mg/L	**	12.8

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

CL - The continuing calibration verification (CCV) standard recovery for this analyte was below the method or SOP limit. The reported sample concentration may be biased low.

N/A - Not Applicable

- Limits not available.

** - RPD cannot be calculated.

+ - The MS/MSD sample analyses were performed on this sample from this Continental order number.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24650

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07031714		**Sample Description:Town East Stormwater**				
Carbamate/Urea Pesticides						
Neburon	03/27/2007	04/08/2007	10	µg/L	77.5	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	03/27/2007	04/12/2007	5.0	µg/L	94.0	63.3-134
Wichita S.W. NP Pest						
DMNB(Pesticides)	03/27/2007	04/17/2007	10	µg/L	88.0	66.6-106
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	03/27/2007	04/04/2007	0.5	µg/L	84.0	30.0-125
Decachlorobiphenyl(DCB)	03/27/2007	04/04/2007	0.5	µg/L	52.2 CL	8.70-127

Data Qualifiers:
CL - The continuing calibration verification (CCV) standard recovery for this analyte was below the method or SOP limit. The reported sample concentration may be biased low.

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24650

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	03/27/2007	7IP2086	No data qualifiers present for this analysis.			
Cadmium	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Diuron	04/08/2007	3LC1097	No data qualifiers present for this analysis.			
Diuron	04/08/2007	4LC1097	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	04/12/2007	2EX5101	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	04/12/2007	3EX5101	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	04/17/2007	1EX1107	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	04/17/2007	2EX1107	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	04/04/2007	2EX6094	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	04/05/2007	3EX6094	No data qualifiers present for this analysis.			
Copper	03/27/2007	7IP2086	No data qualifiers present for this analysis.			
Copper	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Cyanide, Total	03/26/2007	070326-1	No data qualifiers present for this analysis.			
Cyanide, Total	03/26/2007	070326-2	No data qualifiers present for this analysis.			
Hexane Extractable Material	03/30/2007	070330-1	No data qualifiers present for this analysis.			
Hexane Extractable Material	03/30/2007	070330-2	No data qualifiers present for this analysis.			
Chloride	04/05/2007	070405-3	No data qualifiers present for this analysis.			
Chloride	04/05/2007	070405-4	No data qualifiers present for this analysis.			
Silver	03/27/2007	7IP2086	No data qualifiers present for this analysis.			
Silver	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Zinc	03/27/2007	7IP2086	No data qualifiers present for this analysis.			
Zinc	03/27/2007	8IP2086	No data qualifiers present for this analysis.			

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.
Cooler / Sample Receipt Form

Client Name: City of Whittier CAS File No.: 5611 CAS Order No.: 2 4650

Sample ID: Town East.

Sample ID:

Cooler 2 of 6 for this CAS Order No.

Cooler Identification: CAS Cooler #:_____ / ~~Client's Cooler/Box~~ / Letter / Hand Delivered
Other: _____

Date/Time Cooler Received: 3 / 20 / 07 13 : 45

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Svcs/Mail/Walk-In/Other:_____

Custody Seal: Present: Intact / Broken Absent: ~~X~~ Seal No: NA
Seal Name: NA Seal Date: NA
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/Ice/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other:_____

Cooler Temperature (°C): Original Reading (°C) 0.0 Corrected Reading (°C) 0.2
Temp. By: Temp. Blank X Surface _____ Glass/Plastic/Metal/Other:_____
Thermo. ID No.: GS2 Thermo. Correction Factor (°C): 0.2

Sample Receipt Discrepancies: ☐ Yes ☒ No
[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other:_____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: [illegible] **Date Completed:** 3/21/07

SAMPLE RECEIVING DEPT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form?: Yes No Sent Test Assignment Review Sheets? Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

This section reviewed by CAS Project Management: [illegible] **Date Reviewed:** 3/21/07

PROJ. MGMT.

Continental Analytical Services, Inc.

525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CHAIN OF CUSTODY RECORD

Continental Shipping Order Number: 35373

CAS ORDER NO: 24650

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number: (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712
Sampler's Name:(Printed) JIM HARDESTY Sampler's Name:(Signature) Jim Hardesty	Purchase Order Number:
File Number: 5611 Project Name: Stormwater - ~~Autumn~~ Winter Event	

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	HCL	NaOH	HNO3	H2SO4	NONE	OTHER:	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 6 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
Towne East Stormwater - Grab	WW	N	3-20-7	4:59	G	3		1		2			X	X							5 Gal. Container to be poured off at lab
Towne East Stormwater - Composite	WW	N	/	/	G	9			1		1	7			X	X	X	X			as needed for Composite Tests.
																					Remaining volume will be saved for
																					for organics if needed.

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SL=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SL=Sludge, A=Air, OL = Oil/Organic Liquid, O=Other

RELINQUISHED BY: Jim Hardesty	DATE: 3-20-7	TIME: 9:45	RECEIVED BY:	DATE: 3-20-07	TIME: 1350
RELINQUISHED BY:	DATE: 3-20-07	TIME: 1545	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY:	DATE: 3/20/07	TIME: 1545	SHIPPED VIA: AIRBILL:	SEAL #: SEAL DATE:	

H:\melissa\COC\Wichita COCs.XLS\10/31/2006

Continental
Analytical Services, Inc.

04/18/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 03/20/2007
Continental File No.: 5611
Continental Order No.: 24649
Project ID: Stormwater Wint

Dear Mr. Hardesty:

This laboratory report, consisting of 9 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07031713	Town East Upstream	Liquid	3/20/2007

The Appendix and Quality Control Report are integral parts of this laboratory report and may contain important data qualifiers. The original chain of custody and cooler/sample receipt form are enclosed as separate documents to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830
KDHE Environmental Laboratory Accreditation No. E-10146

Continental
Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24649

Lab Number: 07031713
Sample Description: Town East Upstream

Date Sampled: 03/20/2007
Time Sampled: 0455

Analysis	Concentration	Units	Book/Page
Diuron	8.6	µg/L	6240/12
Wichita S.W. Herbicides			
Dicamba	NA	µg/L	6231/41
Picloram	ND(1.0)	µg/L	6231/41
MCPP	ND(200)	µg/L	6231/41
2,4-D	7.1	µg/L	6231/41
Wichita S.W. NP Pest			
Diazinon	NA	µg/L	6175/59
Malathion	NA	µg/L	6175/59
Prometon	ND(1.1) M	µg/L	6175/59
Trichlorfon	NA	µg/L	6175/59
Wichita S.W. OC Pest	QC		
Hexachlorobenzene	ND(0.5)	µg/L	6239/80
Trifluralin	NA	µg/L	6239/80
Cadmium, Total	ND(0.003)	mg/L	6290/1
Copper, Total	0.023	mg/L	6290/1
Hardness (Calculated)	75.0	mg/L as CaCO3	6290/6
Silver, Total	ND(0.010)	mg/L	6290/1
Zinc, Total	0.498	mg/L	6290/1
Chloride	14.7	mg/L	6283/38
Cyanide, Total	ND(0.02)	mg/L	6247/41
Hexane Extractable Material	ND(5.0)	mg/L	6208/24
Solids, Total Dissolved	74.	mg/L	6246/100
Solids, Total Suspended	366.	mg/L	6246/99

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	03/27/2007	04/08/2007	070327-5	2LC1097	SPA	632(M)
Wichita S.W. Herbicides	03/27/2007	04/12/2007	070327-2	1EX5101	JMM	8151A
Wichita S.W. NP Pest	03/27/2007	04/17/2007	070327-4	1EX1107	LPL	8141A
Wichita S.W. OC Pest	03/27/2007	04/04/2007	070327-1	2EX6094	SPA	8081A
Cadmium, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Copper, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Hardness (Calculated)	03/30/2007	03/31/2007	070330-2	14IP2090	KMW	200.7 & SM 2340B
Silver, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24649

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Zinc, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Chloride	N/A	04/05/2007	070405-1	070405-3	JDL	300.0
Cyanide, Total	N/A	03/26/2007	070326-1	070326-1	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	03/30/2007	070330-1	070330-1	SRE	1664
Solids, Total Dissolved	N/A	03/27/2007	070327-1	070327-1	JCO	SM 2540C
Solids, Total Suspended	N/A	03/27/2007	070327-1	070327-1	JCO	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07031713

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24649

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

NA - Not Analyzed.

M - Reporting limit higher than normal due to matrix interferences.

QC - QC data qualifiers were noted. See the Quality Control Report.

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24649

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	070327-5	070327BLK5	070327LCS5	07031715MS
Lab numbers associated with this batch: 07031713					
CL328	Wichita S.W. Herbicides	070327-2	070327BLK2	070327LCS2	07031714MS
Lab numbers associated with this batch: 07031713					
CL334	Wichita S.W. NP Pest	070327-4	070327BLK4	070327LCS4	07031718MS
Lab numbers associated with this batch: 07031713					
CL352	Wichita S.W. OC Pest	070327-1	070327BLK1	070327LCS1	07031713MS
Lab numbers associated with this batch: 07031713					
SL306	Cadmium, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL313	Copper, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL353	Silver, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL369	Zinc, Total	070323-3	070323BLK3	070323LCS3	07031714MS
Lab numbers associated with this batch: 07031713					
SL323	Hardness (Calculated)	070330-2	070330BLK2	070330LCS2	07031716MS
Lab numbers associated with this batch: 07031713					
GL502	Chloride	070405-1	070405BLK1	070405LCS1	07040285MS
Lab numbers associated with this batch: 07031713					
GL158	Cyanide, Total	070326-1	070326BLK1	070326LCS1	07031832MS
Lab numbers associated with this batch: 07031713					
GL188	Hexane Extractable Material	070330-1	070330BLK1	070330LCS1	07031224MS
Lab numbers associated with this batch: 07031713					
GL242	Solids, Total Dissolved	070327-1	070327BLK1	070327LCS1	07032101MS
GL243	Solids, Total Suspended	070327-1	070327BLK1	070327LCS1	07031812MS
Lab numbers associated with this batch: 07031713					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24649

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070323-3	For samples prepared on: 03/23/2007					Spiked sample: 07031714						
Cadmium, Total	ND(0.003)	99.4	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	103	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	102	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	ND(0.020)	96.9	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 070326-1	For sample analyzed on: 03/26/2007					Spiked sample: 07031832						
Cyanide, Total	ND(0.02)	105.	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3
QC Batch: 070327-1	For samples prepared on: 03/27/2007					Spiked sample: 07031713+						
Wichita S.W. OC Pest												
Hexachlorobenzene	ND(0.5)	94.4	#	0.5	µg/L	84.2	84.8	#	0.5	µg/L	0.7	#
Trifluralin	ND(0.5)	93.8	#	1.3	µg/L	88.1	88.3	#	1.3	µg/L	0.2	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	87.0	87.0	30.0-125	0.5	µg/L	83.6	84.4	30.0-125	0.5	µg/L		
Decachlorobiphenyl(DCB)	101. CL	102. CL	8.70-127	0.5	µg/L	52.4 CL	46.6 CL	8.70-127	0.5	µg/L		
QC Batch: 070327-1	For sample analyzed on: 03/27/2007					Spiked sample: 07031812						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#		mg/L	**	24.4
QC Batch: 070327-1	For sample analyzed on: 03/27/2007					Spiked sample: 07032101						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#		mg/L	**	5.5
QC Batch: 070327-2	For samples prepared on: 03/27/2007					Spiked sample: 07031714						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	81.2	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	45.0	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	137.	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	78.4	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	87.9	94.5	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 070327-4	For samples prepared on: 03/27/2007					Spiked sample: 07031718						
Wichita S.W. NP Pest						MN	MN					
Diazinon	NA	NA	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	NA	NA	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	73.8	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	NA	NA	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
DMNB(Pesticides)	92.2	67.5	66.6-106	20.0	µg/L	MN	MN	66.6-106	10.0	µg/L	**	
QC Batch: 070327-5	For samples prepared on: 03/27/2007					Spiked sample: 07031715						
Diuron	ND(5.0)	85.8	#	10.0	µg/L	MN	MN	#	10.0	µg/L	**	#
Surrogates:												
Neburon	89.7	88.8	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 070330-1	For sample analyzed on: 03/30/2007					Spiked sample: 07031224						
Hexane Extractable Material	ND(1.4)	86.3	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0
QC Batch: 070330-2	For samples prepared on: 03/30/2007					Spiked sample: 07031716						
Hardness (Calculated)	ND(5.0)	103.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 070405-1	For sample analyzed on: 04/05/2007					Spiked sample: 07040285						

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24649

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070405-1	For sample analyzed on: 04/05/2007					Spiked sample: 07040285						
Chloride	ND(1.0)	95.9	90.0-110	4.0	mg/L	MN	MN	69.5-127	80.0	mg/L	**	12.8

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

CL - The continuing calibration verification (CCV) standard recovery for this analyte was below the method or SOP limit. The reported sample concentration may be biased low.

N/A - Not Applicable

- Limits not available.

** - RPD cannot be calculated.

+ - The MS/MSD sample analyses were performed on this sample from this Continental order number.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24649

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07031713		**Sample Description:Town East Upstream**				
Carbamate/Urea Pesticides						
Neburon	03/27/2007	04/08/2007	10	µg/L	83.0	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	03/27/2007	04/12/2007	5.0	µg/L	94.7	63.3-134
Wichita S.W. NP Pest						
DMNB(Pesticides)	03/27/2007	04/17/2007	10	µg/L	78.0	66.6-106
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	03/27/2007	04/04/2007	0.5	µg/L	85.6	30.0-125
Decachlorobiphenyl(DCB)	03/27/2007	04/04/2007	0.5	µg/L	45.4 CL	8.70-127

Data Qualifiers:
CL - The continuing calibration verification (CCV) standard recovery for this analyte was below the method or SOP limit. The reported sample concentration may be biased low.

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24649

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Cadmium	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Diuron	04/07/2007	2LC1097	No data qualifiers present for this analysis.			
Diuron	04/08/2007	3LC1097	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	04/11/2007	1EX5101	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	04/12/2007	2EX5101	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	04/17/2007	1EX1107	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	04/17/2007	2EX1107	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	04/04/2007	2EX6094	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	04/05/2007	3EX6094	No data qualifiers present for this analysis.			
Copper	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Copper	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Cyanide, Total	03/26/2007	070326-1	No data qualifiers present for this analysis.			
Cyanide, Total	03/26/2007	070326-2	No data qualifiers present for this analysis.			
Hexane Extractable Material	03/30/2007	070330-1	No data qualifiers present for this analysis.			
Hexane Extractable Material	03/30/2007	070330-2	No data qualifiers present for this analysis.			
Chloride	04/05/2007	070405-3	No data qualifiers present for this analysis.			
Chloride	04/05/2007	070405-4	No data qualifiers present for this analysis.			
Silver	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Silver	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Zinc	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Zinc	03/28/2007	9IP2086	No data qualifiers present for this analysis.			

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.
Cooler / Sample Receipt Form

Client Name: City of Wichita **CAS File No.:** 5611 **CAS Order No.:** 24649

Sample ID: Team East Upstream

Sample ID:

Cooler 1 **of** 6 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: 2148 /Client's Cooler/Box/Letter/Hand Delivered
Other: _____

Date/Time Cooler Received: 3 / 20 / 07 13 : 45

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/~~Field Svcs~~/Mail/Walk-In/Other: _____

Custody Seal: Present/ Intact / Broken Absent: ~~NA~~ Seal No: NA
Seal Name: NA Seal Date: NA
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/Ice/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.2 Corrected Reading (°C) 0.4
Temp. By: Temp. Blank ✓ Surface _____ Glass/Plastic/Metal/Other: _____
Thermo. ID No.: SS2 Thermo. Correction Factor (°C): 0.2

Sample Receipt Discrepancies: ☐ Yes ☒ No
[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other: _____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: [signature] **Date Completed:** 3/21

SAMPLE RECEIVING DEPT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form?: Yes No Sent Test Assignment Review Sheets?: Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

This section reviewed by CAS Project Management: [signature] **Date Reviewed:** 3/21/07

PROJ. MGMT.

Continental Analytical Services, Inc.
525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CHAIN OF CUSTODY RECORD

Continental Shipping Order Number: 35373

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number: (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712
Sampler's Name:(Printed) Jim Hardesty Sampler's Name:(Signature)	Purchase Order Number:
File Number: 5611 Project Name: Stormwater - ~~Auburn~~ WINTER Event	

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	Number of Preserved Bottles: HCL	NaOH	HNO3	H2SO4	NONE	OTHER:	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 6 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
Towne East Upstream	WW	N	3-20-7	4:55	G	12		1	1	2	1	7	X	X	X	X	X	X			5 Gal. Container to be poured off at lab as needed for required tests. Remaining volume will be saved for for organics if needed.

CAS ORDER NO: 24564

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SL=503 Sludge, O=Other**

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SL=Sludge, A=Air, OL = Oil/Organic Liquid, O=Other

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
Jim Hardesty	3-20-7	9:45	[signature]	3-20-07	1350
RELINQUISHED BY: [signature]	DATE: 3-20-07	TIME: 1545	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY: Henry J. Hearne	DATE: 3/20/07	TIME: 1545	SHIPPED VIA: AIRBILL:	SEAL #: SEAL DATE:	

H:\melissa\COC\Wichita COCs.XLS\10/31/2006

Continental
Analytical Services, Inc.

04/18/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 03/20/2007
Continental File No.: 5611
Continental Order No.: 24654
Project ID: Stormwater Wint

Dear Mr. Hardesty:

This laboratory report, consisting of 9 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07031718	Mclean Upstream	Liquid	3/20/2007

The Appendix and Quality Control Report are integral parts of this laboratory report and may contain important data qualifiers. The original chain of custody and cooler/sample receipt form are enclosed as separate documents to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830
KDHE Environmental Laboratory Accreditation No. E-10146

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24654

Lab Number: 07031718
Sample Description: Mclean Upstream

Date Sampled: 03/20/2007
Time Sampled: 0529

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/12
Wichita S.W. Herbicides			
Dicamba	NA	µg/L	6231/41
Picloram	ND(1.0)	µg/L	6231/41
MCPP	ND(200)	µg/L	6231/41
2,4-D	ND(1.0)	µg/L	6231/41
Wichita S.W. NP Pest			
Diazinon	NA	µg/L	6175/57
Malathion	NA	µg/L	6175/57
Prometon	ND(0.5)	µg/L	6175/57
Trichlorfon	NA	µg/L	6175/57
Wichita S.W. OC Pest	QC		
Hexachlorobenzene	ND(0.5)	µg/L	6239/80
Trifluralin	NA	µg/L	6239/80
Cadmium, Total	ND(0.003)	mg/L	6290/1
Copper, Total	0.076	mg/L	6290/1
Hardness (Calculated)	602.	mg/L as CaCO3	6290/6
Silver, Total	ND(0.010)	mg/L	6290/1
Zinc, Total	0.582	mg/L	6290/1
Chloride	92.	mg/L	6283/40
Cyanide, Total	ND(0.02)	mg/L	6247/42
Hexane Extractable Material	ND(5.0)	mg/L	6208/25
Solids, Total Dissolved	570.	mg/L	6246/100
Solids, Total Suspended	1010.	mg/L	6246/99

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	03/27/2007	04/08/2007	070327-5	3LC1097	SPA	632(M)
Wichita S.W. Herbicides	03/27/2007	04/12/2007	070327-2	2EX5101	JMM	8151A
Wichita S.W. NP Pest	03/27/2007	04/16/2007	070327-4	1EX1106	LPL	8141A
Wichita S.W. OC Pest	03/27/2007	04/05/2007	070327-1	2EX6094	SPA	8081A
Cadmium, Total	03/23/2007	03/28/2007	070323-3	8IP2086	KMW	200.7
Copper, Total	03/23/2007	03/28/2007	070323-3	8IP2086	KMW	200.7
Hardness (Calculated)	03/30/2007	03/31/2007	070330-2	14IP2090	KMW	200.7 & SM 2340B
Silver, Total	03/23/2007	03/28/2007	070323-3	8IP2086	KMW	200.7

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24654

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Zinc, Total	03/23/2007	03/28/2007	070323-3	8IP2086	KMW	200.7
Chloride	N/A	04/06/2007	070406-1	070406-2	JDL	300.0
Cyanide, Total	N/A	03/26/2007	070326-1	070326-2	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	03/30/2007	070330-1	070330-1	SRE	1664
Solids, Total Dissolved	N/A	03/27/2007	070327-1	070327-1	JCO	SM 2540C
Solids, Total Suspended	N/A	03/27/2007	070327-1	070327-1	JCO	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07031718

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24654

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

NA - Not Analyzed.

QC - QC data qualifiers were noted. See the Quality Control Report.

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24654

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	070327-5	070327BLK5	070327LCS5	07031715MS
Lab numbers associated with this batch: 07031718					
CL328	Wichita S.W. Herbicides	070327-2	070327BLK2	070327LCS2	07031714MS
Lab numbers associated with this batch: 07031718					
CL334	Wichita S.W. NP Pest	070327-4	070327BLK4	070327LCS4	07031718MS
Lab numbers associated with this batch: 07031718					
CL352	Wichita S.W. OC Pest	070327-1	070327BLK1	070327LCS1	07031713MS
Lab numbers associated with this batch: 07031718					
SL306	Cadmium, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL313	Copper, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL353	Silver, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL369	Zinc, Total	070323-3	070323BLK3	070323LCS3	07031714MS
Lab numbers associated with this batch: 07031718					
SL323	Hardness (Calculated)	070330-2	070330BLK2	070330LCS2	07031716MS
Lab numbers associated with this batch: 07031718					
GL502	Chloride	070406-1	070406BLK1	070406LCS1	07040281MS
Lab numbers associated with this batch: 07031718					
GL158	Cyanide, Total	070326-1	070326BLK1	070326LCS1	07031832MS
Lab numbers associated with this batch: 07031718					
GL188	Hexane Extractable Material	070330-1	070330BLK1	070330LCS1	07031224MS
Lab numbers associated with this batch: 07031718					
GL242	Solids, Total Dissolved	070327-1	070327BLK1	070327LCS1	07032101MS
GL243	Solids, Total Suspended	070327-1	070327BLK1	070327LCS1	07031812MS
Lab numbers associated with this batch: 07031718					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24654

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070323-3	For samples prepared on: 03/23/2007					Spiked sample: 07031714						
Cadmium, Total	ND(0.003)	99.4	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	103	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	102	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	ND(0.020)	96.9	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 070326-1	For sample analyzed on: 03/26/2007					Spiked sample: 07031832						
Cyanide, Total	ND(0.02)	105.	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3
QC Batch: 070327-1	For samples prepared on: 03/27/2007					Spiked sample: 07031713						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	94.4	#	0.5	µg/L			#	0.5	µg/L	**	#
Trifluralin	ND(0.5)	93.8	#	1.3	µg/L			#	1.3	µg/L	**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	87.0	87.0	30.0-125	0.5	µg/L	MN	MN	30.0-125	0.5	µg/L	**	
Decachlorobiphenyl(DCB)	101. CL	102. CL	8.70-127	0.5	µg/L	MN	MN	8.70-127	0.5	µg/L	**	
QC Batch: 070327-1	For sample analyzed on: 03/27/2007					Spiked sample: 07031812						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#		mg/L	**	24.4
QC Batch: 070327-1	For sample analyzed on: 03/27/2007					Spiked sample: 07032101						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#		mg/L	**	5.5
QC Batch: 070327-2	For samples prepared on: 03/27/2007					Spiked sample: 07031714						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	81.2	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	45.0	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	137.	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	78.4	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	87.9	94.5	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 070327-4	For samples prepared on: 03/27/2007					Spiked sample: 07031718+						
Wichita S.W. NP Pest												
Diazinon	NA	NA	79.4-114	1.0	µg/L	NA	NA	79.8-119	1.0	µg/L	**	11.9
Malathion	NA	NA	82.1-111	1.0	µg/L	NA	NA	72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	73.8	67.8-125	1.0	µg/L	114.	118.	#	1.0	µg/L	3.4	#
Trichlorfon	NA	NA	0.1-55.1	5.0	µg/L	NA	NA	#	5.0	µg/L	**	#
Surrogates:												
DMNB(Pesticides)	92.2	67.5	66.6-106	20.0	µg/L	87.9	89.1	66.6-106	10.0	µg/L		
QC Batch: 070327-5	For samples prepared on: 03/27/2007					Spiked sample: 07031715						
Diuron	ND(5.0)	85.8	#	10.0	µg/L	MN	MN	#	10.0	µg/L	**	#
Surrogates:												
Neburon	89.7	88.8	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 070330-1	For sample analyzed on: 03/30/2007					Spiked sample: 07031224						
Hexane Extractable Material	ND(1.4)	86.3	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0
QC Batch: 070330-2	For samples prepared on: 03/30/2007					Spiked sample: 07031716						
Hardness (Calculated)	ND(5.0)	103.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 070406-1	For sample analyzed on: 04/06/2007					Spiked sample: 07040281						

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24654

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070406-1	For sample analyzed on: 04/06/2007					Spiked sample: 07040281						
Chloride	ND(1.0)	96.7	90.0-110	4.0	mg/L	MN	MN	69.5-127	40.0	mg/L	**	12.8

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

CL - The continuing calibration verification (CCV) standard recovery for this analyte was below the method or SOP limit. The reported sample concentration may be biased low.

N/A - Not Applicable

- Limits not available.

** - RPD cannot be calculated.

+ - The MS/MSD sample analyses were performed on this sample from this Continental order number.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24654

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07031718		**Sample Description:Mclean Upstream**				
Carbamate/Urea Pesticides						
Neburon	03/27/2007	04/08/2007	10	µg/L	75.0	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	03/27/2007	04/12/2007	5.0	µg/L	97.4	63.3-134
Wichita S.W. NP Pest						
DMNB(Pesticides)	03/27/2007	04/16/2007	10	µg/L	86.0	66.6-106
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	03/27/2007	04/05/2007	0.5	µg/L	75.6	30.0-125
Decachlorobiphenyl(DCB)	03/27/2007	04/05/2007	0.5	µg/L	46.8 CL	8.70-127
Lab Number: 07031718R						

Data Qualifiers:
CL - The continuing calibration verification (CCV) standard recovery for this analyte was below the method or SOP limit. The reported sample concentration may be biased low.

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24654

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Cadmium	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Diuron	04/08/2007	3LC1097	No data qualifiers present for this analysis.			
Diuron	04/08/2007	4LC1097	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	04/12/2007	2EX5101	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	04/12/2007	3EX5101	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	04/16/2007	1EX1106	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	04/17/2007	2EX1106	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	04/04/2007	2EX6094	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	04/05/2007	3EX6094	No data qualifiers present for this analysis.			
Copper	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Copper	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Cyanide, Total	03/26/2007	070326-2	No data qualifiers present for this analysis.			
Cyanide, Total	03/26/2007	070326-3	No data qualifiers present for this analysis.			
Hexane Extractable Material	03/30/2007	070330-1	No data qualifiers present for this analysis.			
Hexane Extractable Material	03/30/2007	070330-2	No data qualifiers present for this analysis.			
Chloride	04/06/2007	070406-2	No data qualifiers present for this analysis.			
Chloride	04/06/2007	070406-3	No data qualifiers present for this analysis.			
Silver	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Silver	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Zinc	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Zinc	03/28/2007	9IP2086	No data qualifiers present for this analysis.			

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.

Cooler / Sample Receipt Form

SAMPLE RECEIVING DEPT.

Client Name: City of Wichita **CAS File No.:** 5611 **CAS Order No.:** 246584

Sample ID: McClean Upstream

Sample ID:

Cooler 6 **of** 6 **for this CAS Order No.**

Cooler Identification: CAS Cooler #:_____ /Client's Cooler/Box/Letter/Hand Delivered
Other: _____

Date/Time Cooler Received: 3/20/07 15:45

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Svcs/Mail/Walk-In/Other:_____

Custody Seal: Present: Intact / Broken Absent: ~~X~~ NA Seal No: NA
Seal Name: NA Seal Date: NA
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/Ice/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other:_____

Cooler Temperature (°C): Original Reading (°C) 0.3 Corrected Reading (°C) 0.5
Temp. By: Temp. Blank X Surface _____ Glass/Plastic/Metal/Other:_____
Thermo. ID No.: 552 Thermo. Correction Factor (°C): 0.2

Sample Receipt Discrepancies: ☐ Yes ☒ No
[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other:_____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: [illegible] **Date Completed:** 3/21/07

PROJ. MGMT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form? Yes No Sent Test Assignment Review Sheets?: Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

This section reviewed by CAS Project Management: [illegible] **Date Reviewed:** 3/21/07

Continental Analytical Services, Inc.

525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CAS ORDER NO: 2 46560

CHAIN OF CUSTODY RECORD

Continental Shipping Order Number: 35373

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number: (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712

Sampler's Name:(Printed): Jim Hardesty
Sampler's Name:(Signature): Jim Hardesty
Purchase Order Number:
File Number: 8611
Project Name: Winter Stormwater - ~~Autumn~~ Event

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	HCL	NaOH	HNO3	H2SO4	NONE	OTHER:	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 6 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
McLean Upstream	WW	N	3-20-7	5:29	G	12		1	1	2	1	7	X	X	X	X	X	X			5 Gal. Container to be poured off at lab
																					as needed for required tests.
																					Remaining volume will be saved for
																					for organics if needed.

Number of Preserved Bottles

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SL=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SL=Sludge, A=Air, OL = Oil/Organic Liquid, O=Other

RELINQUISHED BY: Jim Hardesty	DATE: 3-20-7	TIME: 9:45	RECEIVED BY:	DATE: 3-20-07	TIME: 1350
RELINQUISHED BY:	DATE: 3-20-07	TIME: 1545	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY:	DATE: 3/20/07	TIME: 1545	SHIPPED VIA: AIRBILL:	SEAL #: SEAL DATE:	

H:\melisa\COC\Wichita COCs.XLS\10/31/2006

Continental
Analytical Services, Inc.

04/18/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 03/20/2007
Continental File No.: 5611
Continental Order No.: 24652
Project ID: Stormwater Wint

Dear Mr. Hardesty:

This laboratory report, consisting of 15 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07031716	S. Broadway Stormwater	Liquid	3/20/2007

The Appendix and Quality Control Report are integral parts of this laboratory report and may contain important data qualifiers. The original chain of custody and cooler/sample receipt form are enclosed as separate documents to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830
KDHE Environmental Laboratory Accreditation No. E-10146

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Lab Number: 07031716
Sample Description: S. Broadway Stormwater

Date Sampled: 03/20/2007
Time Sampled: 0555

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/12
Wichita S.W. Herbicides			
Dicamba	NA	µg/L	6231/41
Picloram	ND(1.0)	µg/L	6231/41
MCPP	ND(200)	µg/L	6231/41
2,4-D	ND(1.0)	µg/L	6231/41
Wichita S.W. NP Pest			
Diazinon	NA	µg/L	6175/59
Malathion	NA	µg/L	6175/59
Prometon	ND(0.5)	µg/L	6175/59
Trichlorfon	NA	µg/L	6175/59
Wichita S.W. OC Pest	QC		
Hexachlorobenzene	ND(0.5)	µg/L	6239/80
Trifluralin	NA	µg/L	6239/80
GC/MS Priority Pollutant Vol.			
1,1,1-Trichloroethane	ND(5.0)	µg/L	5923/430
1,1,2,2-Tetrachloroethane	ND(5.0)	µg/L	5923/430
1,1,2-Trichloroethane	ND(5.0)	µg/L	5923/430
1,1-Dichloroethane	ND(5.0)	µg/L	5923/430
1,1-Dichloroethylene	ND(5.0)	µg/L	5923/430
1,2-Dichloroethane	ND(5.0)	µg/L	5923/430
1,2-Dichloroethylene (Trans)	ND(5.0)	µg/L	5923/430
1,2-Dichloropropane	ND(5.0)	µg/L	5923/430
1,3-Dichloropropene (Trans)	ND(5.0)	µg/L	5923/430
2-Chloroethylvinyl Ether	ND(5.0) EV	µg/L	5923/430
Acrolein	ND(25) EV	µg/L	5923/430
Acrylonitrile	ND(25)	µg/L	5923/430
Benzene	ND(5.0)	µg/L	5923/430
Bromodichloromethane	ND(5.0)	µg/L	5923/430
Bromoform	ND(5.0)	µg/L	5923/430
Bromomethane	ND(5.0)	µg/L	5923/430
Carbon Tetrachloride	ND(5.0)	µg/L	5923/430
Chlorobenzene	ND(5.0)	µg/L	5923/430
Chloroethane	ND(5.0)	µg/L	5923/430
Chloroform	ND(5.0)	µg/L	5923/430
Chloromethane	ND(5.0)	µg/L	5923/430
Dibromochloromethane	ND(5.0)	µg/L	5923/430
Ethylbenzene	ND(5.0)	µg/L	5923/430
Methylene Chloride	ND(5.0)	µg/L	5923/430
Tetrachloroethylene	ND(5.0)	µg/L	5923/430
Toluene	ND(5.0)	µg/L	5923/430
Trichloroethylene	ND(5.0)	µg/L	5923/430

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Lab Number: 07031716
Sample Description: S. Broadway Stormwater

Date Sampled: 03/20/2007
Time Sampled: 0555

Analysis	Concentration	Units	Book/Page
Vinyl Chloride	ND(2.0)	µg/L	5923/430
1,2-Dichloroethylene (Cis)	ND(5.0)	µg/L	5923/430
1,3-Dichloropropene (Cis)	ND(5.0)	µg/L	5923/430
1,2-Dichlorobenzene	ND(5.0)	µg/L	5923/430
1,3-Dichlorobenzene	ND(5.0)	µg/L	5923/430
1,4-Dichlorobenzene	ND(5.0)	µg/L	5923/430
Priority Pol. Extractables	QC		
1,2,4-Trichlorobenzene	ND(10)	µg/L	6057/586
1,2-Diphenylhydrazine	ND(10)	µg/L	6057/586
2,4,6-Trichlorophenol	ND(10)	µg/L	6057/586
2,4-Dichlorophenol	ND(10)	µg/L	6057/586
2,4- and 2,5-Dimethylphenol	ND(20)	µg/L	6057/586
2,4-Dinitrophenol	ND(50)	µg/L	6057/586
2,4-Dinitrotoluene	ND(10)	µg/L	6057/586
2,6-Dinitrotoluene	ND(10)	µg/L	6057/586
2-Chloronaphthalene	ND(10)	µg/L	6057/586
2-Chlorophenol	ND(10)	µg/L	6057/586
2-Nitrophenol	ND(10)	µg/L	6057/586
Dichlorobenzidine 3,3'	ND(20) EV	µg/L	6057/586
4,6-Dinitro-o-Cresol	ND(50)	µg/L	6057/586
4-Bromophenyl Phenyl Ether	ND(10)	µg/L	6057/586
4-Chlorophenyl Phenyl Ether	ND(10)	µg/L	6057/586
4-Nitrophenol	ND(40)	µg/L	6057/586
Acenaphthene	ND(10)	µg/L	6057/586
Acenaphthylene	ND(10)	µg/L	6057/586
Anthracene	ND(10)	µg/L	6057/586
Benzidine	ND(100) EV	µg/L	6057/586
Benzo(a)anthracene	ND(10)	µg/L	6057/586
Benzo(a)pyrene	ND(10)	µg/L	6057/586
Benzo(b)fluoranthene	ND(10)	µg/L	6057/586
Benzo(ghi)perylene	ND(10)	µg/L	6057/586
Benzo(k)fluoranthene	ND(10)	µg/L	6057/586
Bis(2-Chloroethoxy)methane	ND(10)	µg/L	6057/586
Bis(2-Chloroethyl)ether	ND(10)	µg/L	6057/586
Bis(2-Chloroisopropyl)ether	ND(10)	µg/L	6057/586
Bis(2-Ethylhexyl)phthalate	ND(10)	µg/L	6057/586
Butyl Benzyl Phthalate	ND(10)	µg/L	6057/586
Chrysene	ND(10)	µg/L	6057/586
Di-n-Butylphthalate	ND(10)	µg/L	6057/586
Di-n-Octylphthalate	ND(10)	µg/L	6057/586
Dibenz(a,h)anthracene	ND(10)	µg/L	6057/586
Diethylphthalate	ND(10)	µg/L	6057/586

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Lab Number: 07031716
Sample Description: S. Broadway Stormwater

Date Sampled: 03/20/2007
Time Sampled: 0555

Analysis	Concentration	Units	Book/Page
Dimethylphthalate	ND(10)	µg/L	6057/586
Fluoranthene	12.	µg/L	6057/586
Fluorene	ND(10)	µg/L	6057/586
Hexachlorobenzene	ND(10)	µg/L	6057/586
Hexachlorobutadiene	ND(10)	µg/L	6057/586
Hexachlorocyclopentadiene	ND(10)	µg/L	6057/586
Hexachloroethane	ND(10)	µg/L	6057/586
Indeno(1,2,3-cd)pyrene	ND(10)	µg/L	6057/586
Isophorone	ND(10)	µg/L	6057/586
n-Nitrosodi-n-Propylamine	ND(10)	µg/L	6057/586
n-Nitrosodimethylamine	ND(20)	µg/L	6057/586
n-Nitrosodiphenylamine	ND(10)	µg/L	6057/586
Naphthalene	ND(10)	µg/L	6057/586
Nitrobenzene	ND(10)	µg/L	6057/586
p-Chloro-m-Cresol	ND(10)	µg/L	6057/586
Pentachlorophenol	ND(30)	µg/L	6057/586
Phenanthrene	ND(10)	µg/L	6057/586
Phenol	ND(10)	µg/L	6057/586
Pyrene	11.	µg/L	6057/586
Cadmium, Total	0.004	mg/L	6290/1
Copper, Total	0.032	mg/L	6290/1
Hardness (Calculated)	83.4	mg/L as CaCO3	6290/6
Silver, Total	ND(0.010)	mg/L	6290/1
Zinc, Total	0.793	mg/L	6290/1
Chloride	2.4	mg/L	6283/38
Cyanide, Total	ND(0.02)	mg/L	6247/41
Hexane Extractable Material	ND(5.0)	mg/L	6208/25
Solids, Total Dissolved	40.	mg/L	6246/100
Solids, Total Suspended	972.	mg/L	6246/99

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	03/27/2007	04/08/2007	070327-5	3LC1097	SPA	632(M)
Wichita S.W. Herbicides	03/27/2007	04/12/2007	070327-2	2EX5101	JMM	8151A
Wichita S.W. NP Pest	03/27/2007	04/17/2007	070327-4	1EX1107	LPL	8141A

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Wichita S.W. OC Pest	03/27/2007	04/05/2007	070327-1	2EX6094	SPA	8081A
GC/MS Priority Pollutan	N/A	03/28/2007	1MS9086	1MS9086	GMA	624
Priority Pol. Extractab	03/26/2007	04/11/2007	070326-1	1MS7101	BLP	625
Cadmium, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Copper, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Hardness (Calculated)	03/30/2007	03/31/2007	070330-2	14IP2090	KMW	200.7 & SM 2340B
Silver, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Zinc, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Chloride	N/A	04/05/2007	070405-1	070405-3	JDL	300.0
Cyanide, Total	N/A	03/26/2007	070326-1	070326-1	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	03/30/2007	070330-1	070330-1	SRE	1664
Solids, Total Dissolved	N/A	03/27/2007	070327-1	070327-1	JCO	SM 2540C
Solids, Total Suspended	N/A	03/27/2007	070327-1	070327-1	JCO	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Base Neutral/Acid Preparation Method						625/3510C
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07031716

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

NA - Not Analyzed.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

QC - QC data qualifiers were noted. See the Quality Control Report.

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	070327-5	070327BLK5	070327LCS5	07031715MS
Lab numbers associated with this batch: 07031716					
CL328	Wichita S.W. Herbicides	070327-2	070327BLK2	070327LCS2	07031714MS
Lab numbers associated with this batch: 07031716					
CL334	Wichita S.W. NP Pest	070327-4	070327BLK4	070327LCS4	07031718MS
Lab numbers associated with this batch: 07031716					
CL352	Wichita S.W. OC Pest	070327-1	070327BLK1	070327LCS1	07031713MS
Lab numbers associated with this batch: 07031716					
MS100	GC/MS Priority Pollutant Vol.	1MS9086	BLK1MS9086	LCS1MS9086	
Lab numbers associated with this batch: 07031716					
MS112	Priority Pol. Extractables	070326-1	070326BLK1	070326LCS1	
Lab numbers associated with this batch: 07031716					
SL306	Cadmium, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL313	Copper, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL353	Silver, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL369	Zinc, Total	070323-3	070323BLK3	070323LCS3	07031714MS
Lab numbers associated with this batch: 07031716					
SL323	Hardness (Calculated)	070330-2	070330BLK2	070330LCS2	07031716MS
Lab numbers associated with this batch: 07031716					
GL502	Chloride	070405-1	070405BLK1	070405LCS1	07040285MS
Lab numbers associated with this batch: 07031716					
GL158	Cyanide, Total	070326-1	070326BLK1	070326LCS1	07031832MS
Lab numbers associated with this batch: 07031716					

Continental Analytical Services, Inc.

Quality Control Report
Batch Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
GL188	Hexane Extractable Material	070330-1	070330BLK1	070330LCS1	07031224MS
Lab numbers associated with this batch: 07031716					
GL242	Solids, Total Dissolved	070327-1	070327BLK1	070327LCS1	07032101MS
GL243	Solids, Total Suspended	070327-1	070327BLK1	070327LCS1	07031812MS
Lab numbers associated with this batch: 07031716					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070323-3	For samples prepared on: 03/23/2007					Spiked sample: 07031714						
Cadmium, Total	ND(0.003)	99.4	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	103	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	102	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	ND(0.020)	96.9	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 070326-1	For samples prepared on: 03/26/2007					Spiked sample:						
Priority Pol. Extractables						MN	MN					
1,2,4-Trichlorobenzene	ND(5.0)	92.7	55.0-108	25.0	µg/L			57.9-104			**	13.8
1,2-Diphenylhydrazine	ND(5.0)	109.	59.6-135	25.0	µg/L			49.6-141			**	19.5
2,4,6-Trichlorophenol	ND(5.0)	94.7	72.7-109	50.0	µg/L			71.5-113			**	14.3
2,4-Dichlorophenol	ND(5.0)	99.6	69.5-105	50.0	µg/L			68.7-105			**	12.5
2,4- and 2,5-Dimethylphenol	ND(10)	67.3	16.7-109	50.0	µg/L			0.1-146			**	37.9
2,4-Dinitrophenol	ND(25)	86.5	30.8-121	50.0	µg/L			17.7-164			**	28.6
2,4-Dinitrotoluene	ND(5.0)	103.	69.0-118	25.0	µg/L			64.7-128			**	14.9
2,6-Dinitrotoluene	ND(5.0)	99.2	59.3-121	25.0	µg/L			63.0-122			**	10.1
2-Chloronaphthalene	ND(5.0)	104.	66.4-106	25.0	µg/L			66.6-106			**	14.2
2-Chlorophenol	ND(5.0)	93.8	62.3-99.5	50.0	µg/L			58.0-102			**	16.5
2-Nitrophenol	ND(5.0)	95.2	66.0-112	50.0	µg/L			63.6-118			**	14.5
Dichlorobenzidine 3,3'	ND(10) EV	76.3 EV	0.1-130	25.0	µg/L			0.1-105			**	90.8
4,6-Dinitro-o-Cresol	ND(25)	97.4	64.3-110	50.0	µg/L			64.5-118			**	17.8
4-Bromophenyl Phenyl Ether	ND(5.0)	97.4	66.0-126	25.0	µg/L			73.0-115			**	15.3
4-Chlorophenyl Phenyl Ether	ND(5.0)	97.1	69.6-110	25.0	µg/L			71.5-110			**	13.1
4-Nitrophenol	ND(20)	36.5	19.1-54.5	50.0	µg/L			11.9-76.1			**	36.9
Acenaphthene	ND(5.0)	104.	70.3-112	25.0	µg/L			69.3-115			**	12.4
Acenaphthylene	ND(5.0)	100.	69.5-104	25.0	µg/L			59.8-113			**	15.6
Anthracene	ND(5.0)	105.	68.7-117	25.0	µg/L			67.3-115			**	12.9
Benzidine	ND(50) EV	0.0 EV	0.1-27.4	25.0	µg/L			#			**	#
Benzo(a)anthracene	ND(5.0)	101.	72.8-120	25.0	µg/L			72.0-112			**	10.9
Benzo(a)pyrene	ND(5.0)	89.6	78.6-97.2	25.0	µg/L			60.5-107			**	14.8
Benzo(b)fluoranthene	ND(5.0)	95.3	73.1-116	25.0	µg/L			69.2-108			**	16.6
Benzo(ghi)perylene	ND(5.0)	89.3	62.0-114	25.0	µg/L			55.5-111			**	22.8
Benzo(k)fluoranthene	ND(5.0)	102.	70.8-125	25.0	µg/L			57.7-129			**	19.1
Bis(2-Chloroethoxy)methane	ND(5.0)	115.	62.5-120	25.0	µg/L			70.4-112			**	13.6
Bis(2-Chloroethyl)ether	ND(5.0)	107.	55.1-121	25.0	µg/L			67.0-111			**	17.4
Bis(2-Chloroisopropyl)ether	ND(5.0)	122.	24.8-134	25.0	µg/L			40.7-124			**	15.0
Bis(2-Ethylhexyl)phthalate	ND(5.0)	123.	52.9-141	25.0	µg/L			54.4-142			**	29.4
Butyl Benzyl Phthalate	ND(5.0)	119.	58.8-128	25.0	µg/L			66.3-127			**	15.2
Chrysene	ND(5.0)	105.	77.4-124	25.0	µg/L			75.9-119			**	11.6
Di-n-Butylphthalate	ND(5.0)	120.	60.7-127	25.0	µg/L			59.4-122			**	17.2
Di-n-Octylphthalate	ND(5.0)	120.	54.4-130	25.0	µg/L			50.1-135			**	22.3
Dibenz(a,h)anthracene	ND(5.0)	90.1	58.1-120	25.0	µg/L			49.3-117			**	25.6
Diethylphthalate	ND(5.0)	115.	69.0-119	25.0	µg/L			71.2-119			**	14.1
Dimethylphthalate	ND(5.0)	106.	77.2-113	25.0	µg/L			82.9-109			**	5.7
Fluoranthene	ND(5.0)	108.	53.6-123	25.0	µg/L			48.3-125			**	14.9
Fluorene	ND(5.0)	100.	72.2-113	25.0	µg/L			71.4-118			**	13.2
Hexachlorobenzene	ND(5.0)	96.4	69.2-122	25.0	µg/L			68.2-116			**	12.3
Hexachlorobutadiene	ND(5.0)	87.8	51.0-107	25.0	µg/L			51.4-109			**	16.6
Hexachlorocyclopentadiene	ND(5.0)	43.5	7.70-92.3	25.0	µg/L			20.3-97.7			**	21.2
Hexachloroethane	ND(5.0)	93.5	47.5-99.7	25.0	µg/L			45.4-105			**	25.4
Indeno(1,2,3-cd)pyrene	ND(5.0)	98.2	56.2-124	25.0	µg/L			55.1-114			**	18.7
Isophorone	ND(5.0)	106.	69.2-116	25.0	µg/L			78.9-107			**	11.6
n-Nitrosodi-n-Propylamine	ND(5.0)	114.	50.6-138	25.0	µg/L			55.9-130			**	18.4

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070326-1	**For samples prepared on: 03/26/2007**					**Spiked sample:**						
n-Nitrosodimethylamine	ND(10)	58.3	30.0-72.0	25.0	µg/L			37.7-74.9			**	16.7
n-Nitrosodiphenylamine	ND(5.0)	108.	71.0-126	25.0	µg/L			57.8-125			**	19.2
Naphthalene	ND(5.0)	104.	63.3-111	25.0	µg/L			59.8-115			**	13.9
Nitrobenzene	ND(5.0)	110.	54.5-122	25.0	µg/L			53.5-137			**	13.5
p-Chloro-m-Cresol	ND(5.0)	99.7	69.5-106	50.0	µg/L			69.8-105			**	19.7
Pentachlorophenol	ND(15)	104.	58.2-115	50.0	µg/L			60.2-125			**	15.9
Phenanthrene	ND(5.0)	106.	70.8-121	25.0	µg/L			72.3-121			**	12.3
Phenol	ND(5.0)	42.0	24.5-44.3	50.0	µg/L			21.0-45.0			**	30.5
Pyrene	ND(5.0)	118.	61.7-130	25.0	µg/L			57.6-154			**	16.6
Surrogates:												
Nitrobenzene-d5	98.6	102.	66.4-106	100	µg/L	MN	MN				**	
2-Fluorobiphenyl	87.2	87.5	53.7-104	100	µg/L	MN	MN				**	
Terphenyl-d14	113.	114.	45.5-133	100	µg/L	MN	MN				**	
Phenol-d6	38.9	39.4	21.8-44.0	150	µg/L	MN	MN				**	
2-Fluorophenol	51.1	53.0	32.0-61.4	150	µg/L	MN	MN				**	
2,4,6-Tribromophenol	84.9	97.3	62.4-120	150	µg/L	MN	MN				**	
QC Batch: 070326-1	**For sample analyzed on: 03/26/2007**					**Spiked sample: 07031832**						
Cyanide, Total	ND(0.02)	105.	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3
QC Batch: 070327-1	**For samples prepared on: 03/27/2007**					**Spiked sample: 07031713**						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	94.4	#	0.5	µg/L			#	0.5	µg/L	**	#
Trifluralin	ND(0.5)	93.8	#	1.3	µg/L			#	1.3	µg/L	**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	87.0	87.0	30.0-125	0.5	µg/L	MN	MN	30.0-125	0.5	µg/L	**	
Decachlorobiphenyl(DCB)	101. CL	102. CL	8.70-127	0.5	µg/L	MN	MN	8.70-127	0.5	µg/L	**	
QC Batch: 070327-1	**For sample analyzed on: 03/27/2007**					**Spiked sample: 07031812**						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#		mg/L	**	24.4
QC Batch: 070327-1	**For sample analyzed on: 03/27/2007**					**Spiked sample: 07032101**						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#		mg/L	**	5.5
QC Batch: 070327-2	**For samples prepared on: 03/27/2007**					**Spiked sample: 07031714**						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	81.2	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	45.0	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	137.	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	78.4	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	87.9	94.5	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 070327-4	**For samples prepared on: 03/27/2007**					**Spiked sample: 07031718**						
Wichita S.W. NP Pest						MN	MN					
Diazinon	NA	NA	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	NA	NA	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	73.8	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	NA	NA	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
DMNB(Pesticides)	92.2	67.5	66.6-106	20.0	µg/L	MN	MN	66.6-106	10.0	µg/L	**	

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070327-5	For samples prepared on: 03/27/2007					Spiked sample: 07031715						
Diuron	ND(5.0)	85.8	#	10.0	µg/L	MN	MN	#	10.0	µg/L	**	#
Surrogates:												
Neburon	89.7	88.8	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 070330-1	For sample analyzed on: 03/30/2007					Spiked sample: 07031224						
Hexane Extractable Material	ND(1.4)	86.3	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0
QC Batch: 070330-2	For samples prepared on: 03/30/2007					Spiked sample: 07031716+						
Hardness (Calculated)	ND(5.0)	103.	85.0-115	337	mg/L a	102.	100.	83.0-111	337	mg/L as	2.0	7.9
QC Batch: 070405-1	For sample analyzed on: 04/05/2007					Spiked sample: 07040285						
Chloride	ND(1.0)	95.9	90.0-110	4.0	mg/L	MN	MN	69.5-127	80.0	mg/L	**	12.8
QC Batch: LMS9086	For sample analyzed on: 03/27/2007					Spiked sample:						
GC/MS Priority Pollutant Vol.						MN	MN					
1,1,1-Trichloroethane	ND(5.0)	108.	77.4-121	10.0	µg/L			77.6-130			**	9.2
1,1,2,2-Tetrachloroethane	ND(5.0)	98.3	72.5-114	10.0	µg/L			73.2-124			**	11.8
1,1,2-Trichloroethane	ND(5.0)	91.8	80.6-114	10.0	µg/L			81.3-118			**	10.7
1,1-Dichloroethane	ND(5.0)	101.	78.8-117	10.0	µg/L			82.7-123			**	8.7
1,1-Dichloroethylene	ND(5.0)	111.	74.7-123	10.0	µg/L			77.8-126			**	10.8
1,2-Dichloroethane	ND(5.0)	106.	72.7-123	10.0	µg/L			74.5-136			**	10.6
1,2-Dichloroethylene (Trans	ND(5.0)	108.	79.9-118	10.0	µg/L			80.1-124			**	9.4
1,2-Dichloropropane	ND(5.0)	96.8	74.4-109	10.0	µg/L			74.7-117			**	7.9
1,3-Dichloropropene (Trans)	ND(5.0)	92.4	75.2-112	10.0	µg/L			75.9-108			**	7.4
2-Chloroethylvinyl Ether	ND(5.0) EV	93.9 EV	0.1-155	20.0	µg/L			0.1-2.50			**	34.6
Acrolein	ND(25) EV	48.8 EV	29.6-139	20.0	µg/L			0.1-223			**	60.1
Acrylonitrile	ND(25)	84.1	60.1-115	20.0	µg/L			51.6-145			**	24.1
Benzene	ND(5.0)	105.	76.2-116	10.0	µg/L			76.3-126			**	9.9
Bromodichloromethane	ND(5.0)	99.6	77.4-110	10.0	µg/L			78.9-119			**	7.5
Bromoform	ND(5.0)	92.4	70.3-121	10.0	µg/L			67.4-129			**	12.6
Bromomethane	ND(5.0)	86.9	64.3-130	10.0	µg/L			49.0-146			**	16.5
Carbon Tetrachloride	ND(5.0)	113.	77.6-123	10.0	µg/L			75.5-132			**	9.2
Chlorobenzene	ND(5.0)	110.	86.5-120	10.0	µg/L			87.7-119			**	6.3
Chloroethane	ND(5.0)	94.8	76.2-124	10.0	µg/L			76.8-130			**	12.9
Chloroform	ND(5.0)	107.	81.3-116	10.0	µg/L			81.4-125			**	9.1
Chloromethane	ND(5.0)	94.3	70.2-133	10.0	µg/L			74.0-133			**	13.2
Dibromochloromethane	ND(5.0)	92.2	78.7-114	10.0	µg/L			75.5-124			**	8.4
Ethylbenzene	ND(5.0)	101.	84.3-120	10.0	µg/L			84.5-121			**	8.1
Methylene Chloride	ND(5.0)	110.	76.6-116	10.0	µg/L			76.8-127			**	9.6
Tetrachloroethylene	ND(5.0)	108.	85.4-129	10.0	µg/L			87.1-124			**	9.4
Toluene	ND(5.0)	108.	86.4-117	10.0	µg/L			85.1-120			**	8.3
Trichloroethylene	ND(5.0)	99.8	80.4-110	10.0	µg/L			80.3-118			**	7.8
Vinyl Chloride	ND(2.0)	93.8	73.4-128	10.0	µg/L			73.6-130			**	11.3
1,2-Dichloroethylene (Cis)	ND(5.0)	95.2	80.1-108	10.0	µg/L			81.7-116			**	8.9
1,3-Dichloropropene (Cis)	ND(5.0)	87.1	71.5-105	10.0	µg/L			67.0-107			**	9.2
1,2-Dichlorobenzene	ND(5.0)	105.	89.9-111	10.0	µg/L			91.7-112			**	5.4
1,3-Dichlorobenzene	ND(5.0)	106.	88.3-115	10.0	µg/L			89.2-116			**	5.5
1,4-Dichlorobenzene	ND(5.0)	107.	89.4-115	10.0	µg/L			90.8-113			**	6.5
Surrogates:												
1,2-Dichloroethane-d4	90.5	93.3	79.2-133	10.0	µg/L	MN	MN				**	
Toluene-d8	89.1	94.3	84.9-111	10.0	µg/L	MN	MN				**	
4-BFB(MS)	83.5	90.4	74.4-115	10.0	µg/L	MN	MN				**	

Data Qualifiers:

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

CL - The continuing calibration verification (CCV) standard recovery for this analyte was below the method or SOP limit. The reported sample concentration may be biased low.

N/A - Not Applicable

- Limits not available.

** - RPD cannot be calculated.

> - This analyte is designated as a representative spike compound for this analysis. Recoveries for any additional analytes are provided for information only.

+ - The MS/MSD sample analyses were performed on this sample from this Continental order number.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07031716		**Sample Description:S. Broadway Stormwater**				
Carbamate/Urea Pesticides						
Neburon	03/27/2007	04/08/2007	10	µg/L	80.9	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	03/27/2007	04/12/2007	5.0	µg/L	94.7	63.3-134
Wichita S.W. NP Pest						
DMNB(Pesticides)	03/27/2007	04/17/2007	10	µg/L	92.5	66.6-106
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	03/27/2007	04/05/2007	0.5	µg/L	86.0	30.0-125
Decachlorobiphenyl(DCB)	03/27/2007	04/05/2007	0.5	µg/L	40.8 CL	8.70-127
GC/MS Priority Pollutant Vol.						
1,2-Dichloroethane-d4	N/A	03/28/2007	10	µg/L	92.3	79.2-133
Toluene-d8	N/A	03/28/2007	10	µg/L	91.9	84.9-111
4-BFB(MS)	N/A	03/28/2007	10	µg/L	82.5	74.4-115
Priority Pol. Extractables						
Nitrobenzene-d5	03/26/2007	04/11/2007	100	µg/L	98.2	66.4-106
2-Fluorobiphenyl	03/26/2007	04/11/2007	100	µg/L	91.9	53.7-104
Terphenyl-d14	03/26/2007	04/11/2007	100	µg/L	125.	45.5-133
Phenol-d6	03/26/2007	04/11/2007	150	µg/L	37.8	21.8-44.0
2-Fluorophenol	03/26/2007	04/11/2007	150	µg/L	49.3	32.0-61.4
2,4,6-Tribromophenol	03/26/2007	04/11/2007	150	µg/L	85.8	62.4-120

Data Qualifiers:
CL - The continuing calibration verification (CCV) standard recovery for this analyte was below the method or SOP limit. The reported sample concentration may be biased low.

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Cadmium	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Diuron	04/08/2007	3LC1097	No data qualifiers present for this analysis.			
Diuron	04/08/2007	4LC1097	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	04/12/2007	2EX5101	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	04/12/2007	3EX5101	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	04/17/2007	1EX1107	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	04/17/2007	2EX1107	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	04/04/2007	2EX6094	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	04/05/2007	3EX6094	No data qualifiers present for this analysis.			
Copper	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Copper	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Cyanide, Total	03/26/2007	070326-1	No data qualifiers present for this analysis.			
Cyanide, Total	03/26/2007	070326-2	No data qualifiers present for this analysis.			
Hexane Extractable Material	03/30/2007	070330-1	No data qualifiers present for this analysis.			
Hexane Extractable Material	03/30/2007	070330-2	No data qualifiers present for this analysis.			
Chloride	04/05/2007	070405-3	No data qualifiers present for this analysis.			
Chloride	04/05/2007	070405-4	No data qualifiers present for this analysis.			
GC/MS Priority Pollutant Vol.	03/27/2007					
2-Chloroethylvinyl Ether	03/27/2007	1MS9086	20.0	18.8	µg/L	93.9 EV
Acrolein	03/27/2007	1MS9086	20.0	9.76	µg/L	48.8 EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07031716	1MS9086	S. Broadway Stormwater

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Priority Pol. Extractables	04/11/2007					
Dichlorobenzidine 3,3'	04/11/2007	1MS7101	75.0	66.3	µg/ml	88.4 EV
Benzidine	04/11/2007	1MS7101	75.0	32.0	µg/ml	42.6 EV
Bis(2-Chloroisopropyl)ether	04/11/2007	1MS7101	75.0	93.0	µg/ml	124. CH
Hexachlorocyclopentadiene	04/11/2007	1MS7101	75.0	67.9	µg/ml	90.5 IV
Isophorone	04/11/2007	1MS7101	75.0	81.8	µg/ml	109. IV
n-Nitrosodiphenylamine	04/11/2007	1MS7101	75.0	78.0	µg/ml	104. IV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07031716	1MS7101	S. Broadway Stormwater

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Silver	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Silver	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Zinc	03/27/2007	8IP2086	No data qualifiers present for this analysis.			

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24652

Zinc	03/28/2007	9IP2086	No data qualifiers present for this analysis.

Data Qualifiers:

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

IV - The initial calibration verification (ICV) standard for this analyte was above the method or SOP limit. The reported sample concentration is estimated.

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.
Cooler / Sample Receipt Form

Client Name: City of Wichita **CAS File No.:** 9611 **CAS Order No.:** 24682

Sample ID: Broadway

Sample ID:

Cooler 4 **of** 6 **for this CAS Order No.**

Cooler Identification: CAS Cooler #:_____ Client's Cooler/Box/Letter/Hand Delivered
Other: _____

Date/Time Cooler Received: 3 / 20 / 07 15 : 35

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Svcs/Mail/Walk-In/Other:_____

Custody Seal: Present: Intact / Broken Absent: ✓ Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/Gel/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other:_____

Cooler Temperature (°C): Original Reading (°C) 0.2 Corrected Reading (°C) 0.4
Temp. By: Temp. Blank ✓ Surface _____ Glass/Plastic/Metal/Other:_____
Thermo. ID No.: 552 Thermo. Correction Factor (°C): 0.2

Sample Receipt Discrepancies: ☐ Yes ☒ No
[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other:_____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: [signature] **Date Completed:** 3/21/07

SAMPLE RECEIVING DEPT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form?: Yes No Sent Test Assignment Review Sheets?: Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

This section reviewed by CAS Project Management: [signature] **Date Reviewed:** 3/21/07

PROJ. MGMT.

Continental Analytical Services, Inc.

525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CHAIN OF CUSTODY RECORD

CAS ORDER NO: C46580

Continental Shipping Order Number: 35373

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number: (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712

Sampler's Name:(Printed): Jim Hardesty
Sampler's Name:(Signature): Jim Hardesty
Purchase Order Number:
File Number: 5611
Project Name: WINTER Stormwater - ~~Autumn~~ Event

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	HCL	NaOH	HNO3	H2SO4	NONE	OTHER:	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 6 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
S. Broadway Stormwater - Grab	WW	N	3-20-7	5:55	G	3		1		2			X	X							5 Gal. Container to be poured off at lab
S. Broadway Stormwater - Composite	WW	N			G	9			1		1	7			X	X	X	X			as needed for Composite Tests.
																					Remaining volume will be saved for
																					for organics if needed.

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SL=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SL=Sludge, A=Air, OL = Oil/Organic Liquid, O=Other

RELINQUISHED BY: Jim Hardesty	DATE: 3-20-7	TIME: 9:45	RECEIVED BY: [signature]	DATE: 3-20-07	TIME: 1350
RELINQUISHED BY: [signature]	DATE: 3-20-07	TIME: 1545	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY: [signature]	DATE: 3/20/07	TIME: 1545	SHIPPED VIA: AIRBILL:	SEAL #: SEAL DATE:	

Continental
Analytical Services, Inc.

04/18/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 03/20/2007
Continental File No.: 5611
Continental Order No.: 24653

Dear Mr. Hardesty:

This laboratory report, consisting of 9 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07031717	McLean Stormwater	Liquid	3/20/2007

The Appendix and Quality Control Report are integral parts of this laboratory report and may contain important data qualifiers. The original chain of custody and cooler/sample receipt form are enclosed as separate documents to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830
KDHE Environmental Laboratory Accreditation No. E-10146

Continental
Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24653

Lab Number: 07031717
Sample Description: McLean Stormwater

Date Sampled: 03/20/2007
Time Sampled: 0530

Analysis	Concentration	Units	Book/Page
Diuron	9.8	µg/L	6240/12
Wichita S.W. Herbicides			
Dicamba	NA	µg/L	6231/41
Picloram	ND(1.0)	µg/L	6231/41
MCPP	ND(200)	µg/L	6231/41
2,4-D	1.5	µg/L	6231/41
Wichita S.W. NP Pest			
Diazinon	NA	µg/L	6175/59
Malathion	NA	µg/L	6175/59
Prometon	ND(3) M	µg/L	6175/59
Trichlorfon	NA	µg/L	6175/59
Wichita S.W. OC Pest	QC		
Hexachlorobenzene	ND(0.5)	µg/L	6239/80
Trifluralin	NA	µg/L	6239/80
Cadmium, Total	0.014	mg/L	6290/1
Copper, Total	0.335	mg/L	6290/1
Hardness (Calculated)	404.	mg/L as CaCO3	6290/6
Silver, Total	ND(0.010)	mg/L	6290/1
Zinc, Total	5.04	mg/L	6290/1
Chloride	166.	mg/L	6283/38
Cyanide, Total	ND(0.02)	mg/L	6247/41
Hexane Extractable Material	48.0	mg/L	6208/25
Solids, Total Dissolved	380.	mg/L	6246/100
Solids, Total Suspended	2100.	mg/L	6246/99

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	03/27/2007	04/08/2007	070327-5	3LC1097	SPA	632(M)
Wichita S.W. Herbicides	03/27/2007	04/12/2007	070327-2	2EX5101	JMM	8151A
Wichita S.W. NP Pest	03/27/2007	04/17/2007	070327-4	1EX1107	LPL	8141A
Wichita S.W. OC Pest	03/27/2007	04/05/2007	070327-1	2EX6094	SPA	8081A
Cadmium, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Copper, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Hardness (Calculated)	03/30/2007	03/31/2007	070330-2	14IP2090	KMW	200.7 & SM 2340B
Silver, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24653

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Zinc, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Chloride	N/A	04/05/2007	070405-1	070405-3	JDL	300.0
Cyanide, Total	N/A	03/26/2007	070326-1	070326-2	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	03/30/2007	070330-1	070330-1	SRE	1664
Solids, Total Dissolved	N/A	03/27/2007	070327-1	070327-1	JCO	SM 2540C
Solids, Total Suspended	N/A	03/27/2007	070327-1	070327-1	JCO	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07031717

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24653

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

NA - Not Analyzed.

M - Reporting limit higher than normal due to matrix interferences.

QC - QC data qualifiers were noted. See the Quality Control Report.

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24653

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	070327-5	070327BLK5	070327LCS5	07031715MS
Lab numbers associated with this batch: 07031717					
CL328	Wichita S.W. Herbicides	070327-2	070327BLK2	070327LCS2	07031714MS
Lab numbers associated with this batch: 07031717					
CL334	Wichita S.W. NP Pest	070327-4	070327BLK4	070327LCS4	07031718MS
Lab numbers associated with this batch: 07031717					
CL352	Wichita S.W. OC Pest	070327-1	070327BLK1	070327LCS1	07031713MS
Lab numbers associated with this batch: 07031717					
SL306	Cadmium, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL313	Copper, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL353	Silver, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL369	Zinc, Total	070323-3	070323BLK3	070323LCS3	07031714MS
Lab numbers associated with this batch: 07031717					
SL323	Hardness (Calculated)	070330-2	070330BLK2	070330LCS2	07031716MS
Lab numbers associated with this batch: 07031717					
GL502	Chloride	070405-1	070405BLK1	070405LCS1	07040285MS
Lab numbers associated with this batch: 07031717					
GL158	Cyanide, Total	070326-1	070326BLK1	070326LCS1	07031832MS
Lab numbers associated with this batch: 07031717					
GL188	Hexane Extractable Material	070330-1	070330BLK1	070330LCS1	07031224MS
Lab numbers associated with this batch: 07031717					
GL242	Solids, Total Dissolved	070327-1	070327BLK1	070327LCS1	07032101MS
GL243	Solids, Total Suspended	070327-1	070327BLK1	070327LCS1	07031812MS
Lab numbers associated with this batch: 07031717					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24653

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070323-3	For samples prepared on: 03/23/2007					Spiked sample: 07031714						
Cadmium, Total	ND(0.003)	99.4	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	103	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	102	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	ND(0.020)	96.9	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 070326-1	For sample analyzed on: 03/26/2007					Spiked sample: 07031832						
Cyanide, Total	ND(0.02)	105.	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3
QC Batch: 070327-1	For samples prepared on: 03/27/2007					Spiked sample: 07031713						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	94.4	#	0.5	µg/L			#	0.5	µg/L	**	#
Trifluralin	ND(0.5)	93.8	#	1.3	µg/L			#	1.3	µg/L	**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	87.0	87.0	30.0-125	0.5	µg/L	MN	MN	30.0-125	0.5	µg/L	**	
Decachlorobiphenyl(DCB)	101. CL	102. CL	8.70-127	0.5	µg/L	MN	MN	8.70-127	0.5	µg/L	**	
QC Batch: 070327-1	For sample analyzed on: 03/27/2007					Spiked sample: 07031812						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#		mg/L	**	24.4
QC Batch: 070327-1	For sample analyzed on: 03/27/2007					Spiked sample: 07032101						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#		mg/L	**	5.5
QC Batch: 070327-2	For samples prepared on: 03/27/2007					Spiked sample: 07031714						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	81.2	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	45.0	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	137.	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	78.4	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	87.9	94.5	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 070327-6	For samples prepared on: 03/27/2007					Spiked sample: 07031718						
Wichita S.W. NP Pest						MN	MN					
Diazinon	NA	NA	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	NA	NA	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	73.8	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	NA	NA	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
DMNB(Pesticides)	92.2	67.5	66.6-106	20.0	µg/L	MN	MN	66.6-106	10.0	µg/L	**	
QC Batch: 070327-5	For samples prepared on: 03/27/2007					Spiked sample: 07031715						
Diuron	ND(5.0)	85.8	#	10.0	µg/L	MN	MN	#	10.0	µg/L	**	#
Surrogates:												
Neburon	89.7	88.8	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 070330-1	For sample analyzed on: 03/30/2007					Spiked sample: 07031224						
Hexane Extractable Material	ND(1.4)	86.3	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0
QC Batch: 070330-2	For samples prepared on: 03/30/2007					Spiked sample: 07031716						
Hardness (Calculated)	ND(5.0)	103.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 070405-1	For sample analyzed on: 04/05/2007					Spiked sample: 07040285						

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24653

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070405-1	For sample analyzed on: 04/05/2007					Spiked sample: 07040285						
Chloride	ND(1.0)	95.9	90.0-110	4.0	mg/L	MN	MN	69.5-127	80.0	mg/L	**	12.8

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

CL - The continuing calibration verification (CCV) standard recovery for this analyte was below the method or SOP limit. The reported sample concentration may be biased low.

N/A - Not Applicable

- Limits not available.

** - RPD cannot be calculated.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24653

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07031717		**Sample Description:McLean Stormwater**				
Carbamate/Urea Pesticides						
Neburon	03/27/2007	04/08/2007	10	µg/L	75.0	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	03/27/2007	04/12/2007	5.0	µg/L	80.9	63.3-134
Wichita S.W. NP Pest						
DMNB(Pesticides)	03/27/2007	04/17/2007	10	µg/L	82.4	66.6-106
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	03/27/2007	04/05/2007	0.5	µg/L	61.2	30.0-125
Decachlorobiphenyl(DCB)	03/27/2007	04/05/2007	0.5	µg/L	43.8 CL	8.70-127

Data Qualifiers:
CL - The continuing calibration verification (CCV) standard recovery for this analyte was below the method or SOP limit. The reported sample concentration may be biased low.

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24653

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Cadmium	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Diuron	04/08/2007	3LC1097	No data qualifiers present for this analysis.			
Diuron	04/08/2007	4LC1097	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	04/12/2007	2EX5101	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	04/12/2007	3EX5101	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	04/17/2007	1EX1107	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	04/17/2007	2EX1107	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	04/04/2007	2EX6094	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	04/05/2007	3EX6094	No data qualifiers present for this analysis.			
Copper	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Copper	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Cyanide, Total	03/26/2007	070326-2	No data qualifiers present for this analysis.			
Cyanide, Total	03/26/2007	070326-3	No data qualifiers present for this analysis.			
Hexane Extractable Material	03/30/2007	070330-1	No data qualifiers present for this analysis.			
Hexane Extractable Material	03/30/2007	070330-2	No data qualifiers present for this analysis.			
Chloride	04/05/2007	070405-3	No data qualifiers present for this analysis.			
Chloride	04/05/2007	070405-4	No data qualifiers present for this analysis.			
Silver	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Silver	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Zinc	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Zinc	03/28/2007	9IP2086	No data qualifiers present for this analysis.			

- Laboratory Report Conclusion -

04/18/2007

Missing QC Report
City of Wichita Sewage Treatment
Order Number: 24653

PM: Gregory J. Groene

Testname	Batch	Prepdate	Datecom	Missing Data For: BLK	LCS	MS
Solids, Total Dissolved	070327-1	12:00:00 AM	3/27/2007		X	
Solids, Total Suspended	070327-1	12:00:00 AM	3/27/2007		X	

Continental Analytical Services, Inc.

Cooler / Sample Receipt Form

Client Name: City of Wichita **CAS File No.:** 5611 **CAS Order No.:** 24658

Sample ID: McClean

Sample ID:

Cooler 5 **of** 6 **for this CAS Order No.**

Cooler Identification: CAS Cooler #:_____/Client's Cooler/Box/Letter/Hand Delivered
Other: _____

Date/Time Cooler Received: 3 / 20 / 07 15 : 45

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Sver/Mail/Walk-In/Other:_____

Custody Seal: Present: Intact / Broken Absent: X Seal No: NA

Seal Name: NA Seal Date: NA

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/Ice/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other:_____

Cooler Temperature (°C): Original Reading (°C) 0.1 Corrected Reading (°C) 0.3

Temp. By: Temp. Blank X Surface ____ Glass/Plastic/Metal/Other:_____

Thermo. ID No.: SSC Thermo. Correction Factor (°C): 0.2

Sample Receipt Discrepancies: ☐ Yes ☒ No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other:_____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: [illegible] **Date Completed:** 3/21/07

SAMPLE RECEIVING DEPT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form? Yes No Sent Test Assignment Review Sheets?: Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

This section reviewed by CAS Project Management: [illegible] **Date Reviewed:** 3/21/07

PROJ. MGMT.

Continental Analytical Services, Inc.

525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CAS ORDER NO: 2 4657

CHAIN OF CUSTODY RECORD

Continental Shipping Order Number: 35373

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number: (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712

Sampler's Name:(Printed) JIM HARDESTY
Sampler's Name:(Signature) [signature]
Purchase Order Number:
File Number: 5611
Project Name: Stormwater ~~Autumn~~ WINTER Event

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	HCL	NaOH	HNO3	H2SO4	NONE	OTHER:	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 6 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
McLean Stormwater - Grab	WW	N	3-20-7	5:30	G	3		1		2			X	X							5 Gal. Container to be poured off at lab
McLean Stormwater - Composite	WW	N	/	/	C	9			1		1	7			X	X	X	X			as needed for Composite Tests.
																					Remaining volume will be saved for
																					for organics if needed.

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SL=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SL=Sludge, A=Air, OL = Oil/Organic Liquid, O=Other

RELINQUISHED BY: [signature]	DATE: 3-20-7	TIME: 9:45	RECEIVED BY: [signature]	DATE: 3-20-07	TIME: 1350
RELINQUISHED BY: [signature]	DATE: 3-20-07	TIME: 1545	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY: [signature]	DATE: 3/20/07	TIME: 1545	SHIPPED VIA: AIRBILL:	SEAL #: SEAL DATE:	

H:\melisa\COC\Wichita COCs.XLS\10/31/2006

Continental
Analytical Services, Inc.

04/18/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 03/20/2007
Continental File No.: 5611
Continental Order No.: 24651
Project ID: Stormwater Wint

Dear Mr. Hardesty:

This laboratory report, consisting of 9 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07031715	Huntington Stormwater	Liquid	3/20/2007

The Appendix and Quality Control Report are integral parts of this laboratory report and may contain important data qualifiers. The original chain of custody and cooler/sample receipt form are enclosed as separate documents to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830
KDHE Environmental Laboratory Accreditation No. E-10146

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24651

Lab Number: 07031715
Sample Description: Huntington Stormwater

Date Sampled: 03/20/2007
Time Sampled: 0445

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/12
Wichita S.W. Herbicides			
Dicamba	NA	µg/L	6231/41
Picloram	ND(1.0)	µg/L	6231/41
MCPP	ND(200)	µg/L	6231/41
2,4-D	1.7	µg/L	6231/41
Wichita S.W. NP Pest			
Diazinon	NA	µg/L	6175/59
Malathion	NA	µg/L	6175/59
Prometon	ND(0.5)	µg/L	6175/59
Trichlorfon	NA	µg/L	6175/59
Wichita S.W. OC Pest	QC		
Hexachlorobenzene	ND(0.5)	µg/L	6239/80
Trifluralin	NA	µg/L	6239/80
Cadmium, Total	0.008	mg/L	6290/1
Copper, Total	0.057	mg/L	6290/1
Hardness (Calculated)	116.	mg/L as CaCO3	6290/6
Silver, Total	ND(0.010)	mg/L	6290/1
Zinc, Total	1.48	mg/L	6290/1
Chloride	2.1	mg/L	6283/38
Cyanide, Total	ND(0.02)	mg/L	6247/41
Hexane Extractable Material	ND(5.0)	mg/L	6208/24
Solids, Total Dissolved	ND(30)	mg/L	6246/100
Solids, Total Suspended	1600.	mg/L	6246/99

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	03/27/2007	04/08/2007	070327-5	2LC1097	SPA	632(M)
Wichita S.W. Herbicides	03/27/2007	04/12/2007	070327-2	2EX5101	JMM	8151A
Wichita S.W. NP Pest	03/27/2007	04/17/2007	070327-4	1EX1107	LPL	8141A
Wichita S.W. OC Pest	03/27/2007	04/05/2007	070327-1	2EX6094	SPA	8081A
Cadmium, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Copper, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Hardness (Calculated)	03/30/2007	03/31/2007	070330-2	14IP2090	KMW	200.7 & SM 2340B
Silver, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24651

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Zinc, Total	03/23/2007	03/27/2007	070323-3	8IP2086	KMW	200.7
Chloride	N/A	04/05/2007	070405-1	070405-3	JDL	300.0
Cyanide, Total	N/A	03/26/2007	070326-1	070326-1	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	03/30/2007	070330-1	070330-1	SRE	1664
Solids, Total Dissolved	N/A	03/27/2007	070327-1	070327-1	JCO	SM 2540C
Solids, Total Suspended	N/A	03/27/2007	070327-1	070327-1	JCO	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07031715

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 04/18/2007
Date Sample Recd: 03/20/2007
Continental File No: 5611
Continental Order No: 24651

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

NA - Not Analyzed.

QC - QC data qualifiers were noted. See the Quality Control Report.

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24651

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	070327-5	070327BLK5	070327LCS5	07031715MS
Lab numbers associated with this batch: 07031715					
CL328	Wichita S.W. Herbicides	070327-2	070327BLK2	070327LCS2	07031714MS
Lab numbers associated with this batch: 07031715					
CL334	Wichita S.W. NP Pest	070327-4	070327BLK4	070327LCS4	07031718MS
Lab numbers associated with this batch: 07031715					
CL352	Wichita S.W. OC Pest	070327-1	070327BLK1	070327LCS1	07031713MS
Lab numbers associated with this batch: 07031715					
SL306	Cadmium, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL313	Copper, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL353	Silver, Total	070323-3	070323BLK3	070323LCS3	07031714MS
SL369	Zinc, Total	070323-3	070323BLK3	070323LCS3	07031714MS
Lab numbers associated with this batch: 07031715					
SL323	Hardness (Calculated)	070330-2	070330BLK2	070330LCS2	07031716MS
Lab numbers associated with this batch: 07031715					
GL502	Chloride	070405-1	070405BLK1	070405LCS1	07040285MS
Lab numbers associated with this batch: 07031715					
GL158	Cyanide, Total	070326-1	070326BLK1	070326LCS1	07031832MS
Lab numbers associated with this batch: 07031715					
GL188	Hexane Extractable Material	070330-1	070330BLK1	070330LCS1	07031224MS
Lab numbers associated with this batch: 07031715					
GL242	Solids, Total Dissolved	070327-1	070327BLK1	070327LCS1	07032101MS
GL243	Solids, Total Suspended	070327-1	070327BLK1	070327LCS1	07031812MS
Lab numbers associated with this batch: 07031715					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24651

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070323-3	For samples prepared on: 03/23/2007					Spiked sample: 07031714						
Cadmium, Total	ND(0.003)	99.4	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	103	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	102	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	ND(0.020)	96.9	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 070326-1	For sample analyzed on: 03/26/2007					Spiked sample: 07031832						
Cyanide, Total	ND(0.02)	105.	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3
QC Batch: 070327-1	For samples prepared on: 03/27/2007					Spiked sample: 07031713						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	94.4	#	0.5	µg/L			#	0.5	µg/L	**	#
Trifluralin	ND(0.5)	93.8	#	1.3	µg/L			#	1.3	µg/L	**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	87.0	87.0	30.0-125	0.5	µg/L	MN	MN	30.0-125	0.5	µg/L	**	
Decachlorobiphenyl(DCB)	101. CL	102. CL	8.70-127	0.5	µg/L	MN	MN	8.70-127	0.5	µg/L	**	
QC Batch: 070327-1	For sample analyzed on: 03/27/2007					Spiked sample: 07031812						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#		mg/L	**	24.4
QC Batch: 070327-1	For sample analyzed on: 03/27/2007					Spiked sample: 07032101						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#		mg/L	**	5.5
QC Batch: 070327-2	For samples prepared on: 03/27/2007					Spiked sample: 07031714						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	81.2	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	45.0	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	137.	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	78.4	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	87.9	94.5	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 070327-4	For samples prepared on: 03/27/2007					Spiked sample: 07031718						
Wichita S.W. NP Pest						MN	MN					
Diazinon	NA	NA	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	NA	NA	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	73.8	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	NA	NA	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
DMNB(Pesticides)	92.2	67.5	66.6-106	20.0	µg/L	MN	MN	66.6-106	10.0	µg/L	**	
QC Batch: 070327-5	For samples prepared on: 03/27/2007					Spiked sample: 07031715+						
Diuron	ND(5.0)	85.8	#	10.0	µg/L	78.4	75.8	#	10.0	µg/L	3.4	#
Surrogates:												
Neburon	89.7	88.8	60.2-135	10.0	µg/L	79.1	77.7	60.2-135	10.0	µg/L		
QC Batch: 070330-1	For sample analyzed on: 03/30/2007					Spiked sample: 07031224						
Hexane Extractable Material	ND(1.4)	86.3	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0
QC Batch: 070330-2	For samples prepared on: 03/30/2007					Spiked sample: 07031716						
Hardness (Calculated)	ND(5.0)	103.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 070405-1	For sample analyzed on: 04/05/2007					Spiked sample: 07040285						

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24651

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070405-1	For sample analyzed on: 04/05/2007					Spiked sample: 07040285						
Chloride	ND(1.0)	95.9	90.0-110	4.0	mg/L	MN	MN	69.5-127	80.0	mg/L	**	12.8

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

CL - The continuing calibration verification (CCV) standard recovery for this analyte was below the method or SOP limit. The reported sample concentration may be biased low.

N/A - Not Applicable

- Limits not available.

** - RPD cannot be calculated.

+ - The MS/MSD sample analyses were performed on this sample from this Continental order number.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24651

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07031715		**Sample Description:Huntington Stormwater**				
Carbamate/Urea Pesticides						
Neburon	03/27/2007	04/08/2007	10	µg/L	65.2	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	03/27/2007	04/12/2007	5.0	µg/L	86.3	63.3-134
Wichita S.W. NP Pest						
DMNB(Pesticides)	03/27/2007	04/17/2007	10	µg/L	86.3	66.6-106
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	03/27/2007	04/05/2007	0.5	µg/L	80.8	30.0-125
Decachlorobiphenyl(DCB)	03/27/2007	04/05/2007	0.5	µg/L	50.2 CL	8.70-127

Data Qualifiers:
CL - The continuing calibration verification (CCV) standard recovery for this analyte was below the method or SOP limit. The reported sample concentration may be biased low.

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 04/18/2007
Date Sample Received: 03/20/2007
Continental File No: 5611
Continental Order No: 24651

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Cadmium	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Diuron	04/07/2007	2LC1097	No data qualifiers present for this analysis.			
Diuron	04/08/2007	3LC1097	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	04/12/2007	2EX5101	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	04/12/2007	3EX5101	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	04/17/2007	1EX1107	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	04/17/2007	2EX1107	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	04/04/2007	2EX6094	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	04/05/2007	3EX6094	No data qualifiers present for this analysis.			
Copper	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Copper	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Cyanide, Total	03/26/2007	070326-1	No data qualifiers present for this analysis.			
Cyanide, Total	03/26/2007	070326-2	No data qualifiers present for this analysis.			
Hexane Extractable Material	03/30/2007	070330-1	No data qualifiers present for this analysis.			
Hexane Extractable Material	03/30/2007	070330-2	No data qualifiers present for this analysis.			
Chloride	04/05/2007	070405-3	No data qualifiers present for this analysis.			
Chloride	04/05/2007	070405-4	No data qualifiers present for this analysis.			
Silver	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Silver	03/28/2007	9IP2086	No data qualifiers present for this analysis.			
Zinc	03/27/2007	8IP2086	No data qualifiers present for this analysis.			
Zinc	03/28/2007	9IP2086	No data qualifiers present for this analysis.			

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.
Cooler / Sample Receipt Form

24651

Client Name: City of Whittier **CAS File No.:** S611 **CAS Order No.:** 24651 MK 3/21/07

Sample ID: Huntington

Sample ID:

Cooler 3 **of** 6 **for this CAS Order No.**

Cooler Identification: CAS Cooler #:_____ /Client's Cooler/Box/Letter/Hand Delivered
Other: _____

Date/Time Cooler Received: 3 / 20 / 07 13 : 45

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Svcs/Mail/Walk-In/Other:_____

Custody Seal: Present: Intact / Broken Absent: ~~NA~~ Seal No: NA
Seal Name: NA Seal Date: NA
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/Ice/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other:_____

Cooler Temperature (°C): Original Reading (°C) 0.1 Corrected Reading (°C) 0.3 3/20/13 0.3
Temp. By: Temp. Blank ✗ Surface _____ Glass/Plastic/Metal/Other:_____
Thermo. ID No.: 552 Thermo. Correction Factor (°C): 0.2

Sample Receipt Discrepancies: ☐ Yes ☒ No
[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other:_____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: MS **Date Completed:** 3/21/07

SAMPLE RECEIVING DEPT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form?: Yes No Sent Test Assignment Review Sheets?: Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

Action:_____ PM:_____ Date:_____

This section reviewed by CAS Project Management: [illegible] **Date Reviewed:** 3/21/07

PROJ. MGMT.

Continental Analytical Services, Inc.
525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CAS ORDER NO: 2465

CHAIN OF CUSTODY RECORD

Continental Shipping Order Number: 35373

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number: (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712
Sampler's Name:(Printed) JIM HARDESTY Sampler's Name:(Signature) [signature]	Purchase Order Number:
File Number: 5611 Project Name: Winter Stormwater - Autumn Event	

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	Number of Preserved Bottles: HCL	NaOH	HNO3	H2SO4	NONE	OTHER:	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 6 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
Huntington Stormwater - Grab	WW	N	3-20-7	4:45	G	3		1		2			X	X							5 Gal. Container to be poured off at lab
Huntington Stormwater - Composite	WW	N			C	9			1		1	7			X	X	X	X			as needed for Composite Tests.
																					Remaining volume will be saved for
																					for organics if needed.

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SL=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SL=Sludge, A=Air, OL = Oil/Organic Liquid, O=Other

RELINQUISHED BY: [signature]	DATE: 3-20-7	TIME: 9:45	RECEIVED BY: [signature]	DATE: 3-20-07	TIME: 1350
RELINQUISHED BY: [signature]	DATE: 3-20-07	TIME: 1545	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY: [signature]	DATE: 3/20/07	TIME: 1545	SHIPPED VIA: AIRBILL:	SEAL #: SEAL DATE:	

Storm Event Test Results
For
Summer

City of Wichita

2007

CITY OF WICHITA SEWAGE TREATMENT DIVISION
BACTERIOLOGICAL RESULTS

SAMPLE ID	DATE OF ANALYSIS	FECAL COLIFORM CFU/100 ML	E.COLI IDEXX MPN/100 ML	FECAL STREP CFU/100 ML
Storm Event				
Huntington	6/13/07	34,000		45,000
Up Towne East		12,000		27,000
Towne East		1727		21,000
Up McLean		22,909		128,000
McLean		6182		93,000
Broadway		32,000		33,000

Continental
Analytical Services, Inc.

07/11/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 06/13/2007
Continental File No.: 5611
Continental Order No.: 26401
Project ID: SW - Spring Eve

Dear Mr. Hardesty:

This laboratory report, consisting of 11 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07061196	S. Broadway Stormwater - Grab	Liquid	6/13/2007
07061197	S. Broadway Stormwater - Comp.	Liquid	6/13/2007

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

The Appendix and Quality Control sections are an integral part of this report and may contain important data qualifiers. The chain of custody and sample receipt form are also included as attachments to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830
KDHE Environmental Laboratory Accreditation No. E-10146

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26401

Lab Number: 07061196
Sample Description: S. Broadway Stormwater - Grab

Date Sampled: 06/13/2007
Time Sampled: 0855

Analysis	Concentration	Units	Book/Page
Cyanide, Total	ND(0.02)	mg/L	6247/90
Hexane Extractable Material	ND(5.0)	mg/L	6317/10

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Cyanide, Total	N/A	06/19/2007	070619-1	070619-1	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	07/05/2007	070705-1	070705-1	SRE	1664

Conclusion of Lab Number: 07061196

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26401

Lab Number: 07061197
Sample Description: S. Broadway Stormwater - Comp.

Date Sampled: 06/13/2007
Time Sampled: 0855

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/25
Wichita S.W. Herbicides	QC		
Dicamba	ND(1.0)	µg/L	6231/56
Picloram	ND(1.0)	µg/L	6231/56
MCPP	ND(200)	µg/L	6231/56
2,4-D	ND(1.0)	µg/L	6231/56
Wichita S.W. NP Pest			
Diazinon	NA	µg/L	6174/95
Malathion	NA	µg/L	6174/95
Prometon	ND(0.5)	µg/L	6174/95
Trichlorfon	NA	µg/L	6174/95
Wichita S.W. OC Pest			
Hexachlorobenzene	ND(0.5)	µg/L	6239/136
Trifluralin	ND(0.5)	µg/L	6239/136
Cadmium, Total	0.004	mg/L	6322/25
Copper, Total	0.080	mg/L	6322/18
Hardness (Calculated)	123.	mg/L as CaCO3	6322/24
Silver, Total	ND(0.010)	mg/L	6322/18
Zinc, Total	0.650	mg/L	6322/18
Chloride	1.6	mg/L	6308/57
Solids, Total Dissolved	84.	mg/L	6246/222
Solids, Total Suspended	2050.	mg/L	6246/213

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	06/20/2007	07/05/2007	070620-2	2LC1186	SPA	632(M)
Wichita S.W. Herbicides	06/18/2007	06/20/2007	070618-3	2EX5170	JMM	8151A
Wichita S.W. NP Pest	06/15/2007	07/10/2007	070615-6	1EX8191	LPL	8141A
Wichita S.W. OC Pest	06/18/2007	06/21/2007	070618-2	4EX6171	SPA	8081A
Cadmium, Total	06/15/2007	06/19/2007	070615-1	3IP2170	KMW	200.7
Copper, Total	06/15/2007	06/15/2007	070615-1	6IP2166	KMW	200.7
Hardness (Calculated)	06/18/2007	06/18/2007	070618-1	6IP2169	KMW	200.7 & SM 2340B
Silver, Total	06/15/2007	06/15/2007	070615-1	6IP2166	KMW	200.7
Zinc, Total	06/15/2007	06/15/2007	070615-1	6IP2166	KMW	200.7
Chloride	N/A	06/21/2007	070621-1	070621-1	JDL	300.0

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26401

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Solids, Total Dissolved	N/A	06/20/2007	070620-1	070620-1	JCO	SM 2540C
Solids, Total Suspended	N/A	06/16/2007	070616-2	070616-2	JCO	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07061197

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26401

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

QC - QC data qualifiers were noted. See the Quality Control Report.

NA - Not Analyzed.

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26401

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	070620-2	070620BLK2	070620LCS2	07061200MS
Lab numbers associated with this batch: 07061197					
CL328	Wichita S.W. Herbicides	070618-3	070618BLK3	070618LCS3	07061197MS
Lab numbers associated with this batch: 07061197					
CL334	Wichita S.W. NP Pest	070615-6	070615BLK6	070615LCS6	07061199MS
Lab numbers associated with this batch: 07061197					
CL352	Wichita S.W. OC Pest	070618-2	070618BLK2	070618LCS2	07061195MS
Lab numbers associated with this batch: 07061197					
SL306	Cadmium, Total	070615-1	070615BLK1	070615LCS1	07061202MS
SL313	Copper, Total	070615-1	070615BLK1	070615LCS1	07061202MS
SL353	Silver, Total	070615-1	070615BLK1	070615LCS1	07061202MS
SL369	Zinc, Total	070615-1	070615BLK1	070615LCS1	07061202MS
Lab numbers associated with this batch: 07061197					
SL323	Hardness (Calculated)	070618-1	070618BLK1	070618LCS1	07060411MS
Lab numbers associated with this batch: 07061197					
GL502	Chloride	070621-1	070621BLK1	070621LCS1	07061740MS
Lab numbers associated with this batch: 07061197					
GL158	Cyanide, Total	070619-1	070619BLK1	070619LCS1	07061165MS
Lab numbers associated with this batch: 07061196					
GL188	Hexane Extractable Material	070705-1	070705BLK1	070705LCS1	07061195MS
Lab numbers associated with this batch: 07061196					
GL242	Solids, Total Dissolved	070620-1	070620BLK1	070620LCS1	
Lab numbers associated with this batch: 07061197					

Continental Analytical Services, Inc.

Quality Control Report
Batch Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26401

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
GL243	Solids, Total Suspended	070616-2	070616BLK2	070616LCS2	07061204MS

Lab numbers associated with this batch:
07061197

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26401

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070615-1	For samples prepared on: 06/15/2007					Spiked sample: 07061202						
Cadmium, Total	ND(0.003)	100	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	103	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	103	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	0.006 J	95.4	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 070615-6	For samples prepared on: 06/15/2007					Spiked sample: 07061199						
Wichita S.W. NP Pest						MN	MN					
Diazinon	NA	NA	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	NA	NA	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	101.	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	NA	NA	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
DMNB(Pesticides)	91.8	94.1	66.6-106	10.0	µg/L	MN	MN	66.6-106	10.0	µg/L	**	
QC Batch: 070616-2	For sample analyzed on: 06/16/2007					Spiked sample: 07061204						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#		mg/L	**	24.4
QC Batch: 070618-1	For samples prepared on: 06/18/2007					Spiked sample: 07060411						
Hardness (Calculated)	ND(5.0)	101.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 070618-2	For samples prepared on: 06/18/2007					Spiked sample: 07061195						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	86.4	#	0.5	µg/L			#	0.5	µg/L	**	#
Trifluralin	ND(0.5)	89.6	#	1.3	µg/L			#	1.3	µg/L	**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	84.6	74.4	30.0-125	0.5	µg/L	MN	MN	30.0-125	0.5	µg/L	**	
Decachlorobiphenyl(DCB)	73.0	62.2	8.70-127	0.5	µg/L	MN	MN	8.70-127	0.5	µg/L	**	
QC Batch: 070618-3	For samples prepared on: 06/18/2007					Spiked sample: 07061197+						
Wichita S.W. Herbicides												
Dicamba	ND(1.0)	95.8	63.0-131	4.0	µg/L	91.7	82.6	78.5-122	4.0	µg/L	10.4	11.4
Picloram	ND(1.0)	36.3	6.40-108	4.0	µg/L	67.3	60.3	10.7-111	4.0	µg/L	11.0	21.5
MCPP	ND(200)	178. LE	87.2-167	400	µg/L	176.	151. MP	60.2-198	400	µg/L	15.3	8.3
2,4-D	ND(1.0)	78.8	51.7-139	4.0	µg/L	82.5	74.2	53.5-135	4.0	µg/L	10.6	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	83.0	105.	63.3-134	5.0	µg/L	96.7	86.3	63.3-134	5.0	µg/L		
QC Batch: 070619-1	For sample analyzed on: 06/19/2007					Spiked sample: 07061165						
Cyanide, Total	ND(0.02)	104.	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3
QC Batch: 070620-1	For sample analyzed on: 06/20/2007					Spiked sample:						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#			**	5.5
QC Batch: 070620-2	For samples prepared on: 06/20/2007					Spiked sample: 07061200						
Diuron	ND(5.0)	88.7	#	10.0	µg/L	MN	MN	#	10.0	µg/L	**	#
Surrogates:												
Neburon	75.6	84.6	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 070621-1	For sample analyzed on: 06/21/2007					Spiked sample: 07061740						
Chloride	ND(1.0)	101.	90.0-110	4.0	mg/L	MN	MN	69.5-127	40.0	mg/L	**	12.8
QC Batch: 070705-1	For sample analyzed on: 07/05/2007					Spiked sample: 07061195						

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26401

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070705-1	For sample analysed on: 07/05/2007					Spiked sample: 07061195						
Hexane Extractable Material	ND(1.4)	85.	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

J - The concentration or non-detect (ND) is an estimated value below the reporting limit but above the MDL. A detectable result has not been verified qualitatively.

N/A - Not Applicable

LH - The Laboratory Control Sample (LCS) recovery for this analyte was above the method or laboratory quality control limit. The reported sample concentration may be biased high.

MP - The MS/MSD recoveries for this analyte exceeded the method or laboratory precision control limit. The reported sample concentration is estimated.

- Limits not available.

** - RPD cannot be calculated.

+ - The MS/MSD sample analyses were performed on this sample from this Continental order number.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26401

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07061197		**Sample Description:S. Broadway Stormwater - Comp.**				
Carbamate/Urea Pesticides						
Neburon	06/20/2007	07/05/2007	10	µg/L	81.1	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	06/18/2007	06/20/2007	5.0	µg/L	81.5	63.3-134
Wichita S.W. NP Pest						
DMNB(Pesticides)	06/15/2007	07/10/2007	10	µg/L	83.6	66.6-106
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	06/18/2007	06/21/2007	0.5	µg/L	81.4	30.0-125
Decachlorobiphenyl(DCB)	06/18/2007	06/21/2007	0.5	µg/L	40.2	8.70-127

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26401

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	06/19/2007	3IP2170	No data qualifiers present for this analysis.			
Cadmium	06/19/2007	4IP2170	No data qualifiers present for this analysis.			
Diuron	07/05/2007	2LC1186	No data qualifiers present for this analysis.			
Diuron	07/06/2007	3LC1186	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	06/20/2007					
MCPP	06/20/2007	2EX5170	141	175	µg/ml	124. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07061197	2EX5170	S. Broadway Stormwater - Comp.

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. Herbicides	06/20/2007					
MCPP	06/20/2007	3EX5170	93.9	121	µg/ml	129. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07061197	2EX5170	S. Broadway Stormwater - Comp.

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	07/10/2007	1EX8191	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	07/10/2007	2EX8191	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	06/21/2007	4EX6171	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	06/21/2007	5EX6171	No data qualifiers present for this analysis.			
Copper	06/15/2007	6IP2166	No data qualifiers present for this analysis.			
Copper	06/15/2007	7IP2166	No data qualifiers present for this analysis.			
Cyanide, Total	06/19/2007	070619-1	No data qualifiers present for this analysis.			
Cyanide, Total	06/19/2007	070619-2	No data qualifiers present for this analysis.			
Hexane Extractable Material	07/05/2007	070705-1	No data qualifiers present for this analysis.			
Hexane Extractable Material	07/05/2007	070705-2	No data qualifiers present for this analysis.			
Chloride	06/21/2007	070621-1	No data qualifiers present for this analysis.			
Chloride	06/21/2007	070621-2	No data qualifiers present for this analysis.			
Silver	06/15/2007	6IP2166	No data qualifiers present for this analysis.			
Silver	06/15/2007	7IP2166	No data qualifiers present for this analysis.			
Zinc	06/15/2007	6IP2166	No data qualifiers present for this analysis.			
Zinc	06/18/2007	6IP2169	No data qualifiers present for this analysis.			
Zinc	06/15/2007	7IP2166	No data qualifiers present for this analysis.			

Data Qualifiers:
CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.

Cooler / Sample Receipt Form

CAS SAMPLE RECEIVING DEPT.

Client Name: City of Wichita **CAS File No.:** S611 **CAS Order No.:** 26401

Sample ID: Broadway

Sample ID:

Cooler 2 **of** 6 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ /Client's Cooler/Box/Letter/Hand Delivered

Other: Broadway

Date/Time Cooler Received: 6 / 13 / 07 15 : 35

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Svcs/Mail/Walk-In/Other: _____

Custody Seal: Present/Intact/Broken Absent: ____ Seal No: None

Seal Name: None Seal Date: None

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/Ice/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other: _____

Cooler Temperature (°C): Original Reading (°C) 1.3 Corrected Reading (°C) 03-23

Temp. By: Temp. Blank ____ Surface X Glass/Plastic/Metal/Other: _____

Thermo. ID No.: SSS Thermo. Correction Factor (°C): ±1.0

Sample Receipt Discrepancies: ☐ Yes ☒ No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other: _____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: [illegible] **Date Completed:** 6/13/07

CAS PROJ. MGMT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form?: Yes No Sent Test Assignment Review Sheets? Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

This section reviewed by CAS Project Management: [illegible] **Date Reviewed:** 6/14/07

Continental Analytical Services, Inc.

525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CAS ORDER NO: 26C01

CHAIN OF CUSTODY RECORD

Continental Shipping Order Number: 34322

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712
Sampler's Name:(Printed) Jim Hardesty	Sampler's Name:(Signature) Jim Hardesty
File Number: 5611	Project Name: Stormwater - Spring Event
	Purchase Order Number:

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	Number of Preserved Bottles: HCL	NaOH	HNO3	H2SO4	NONE	OTHER	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 8 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
S. Broadway Stormwater - Grab	WW	N	6-13-7	8:55	G	3		1		2			X	X							5 Gal. Container to be poured off at lab
S. Broadway Stormwater - Composite	WW	N			C	11			1		1	9			X	X	X	X			as needed for Composite Tests.
																					Remaining volume will be saved for
																					for organics if needed.

Regulatory Program N=NPDES, R=RCRA, D=Drinking Water, SI=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SI=Sludge, A=Air, OL = Oil/Organic Liquid, O=Other

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
Jim Hardesty	6-13-7	12:30	Vanessa Thompson	6/13/07	13:10
RELINQUISHED BY: Vanessa Thompson	DATE: 6-13-07	TIME: 15:35	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY: Robin M Baker	DATE: 6/13/07	TIME: 15:35	SHIPPED VIA: AIRBILL:	SEAL #: SEAL DATE:	

Continental
Analytical Services, Inc.

07/11/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 06/13/2007
Continental File No.: 5611
Continental Order No.: 26403
Project ID: SW - Spring Eve

Dear Mr. Hardesty:

This laboratory report, consisting of 10 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07061200	Towne East Upstream	Liquid	6/13/2007

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

The Appendix and Quality Control sections are an integral part of this report and may contain important data qualifiers. The chain of custody and sample receipt form are also included as attachments to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830
KDHE Environmental Laboratory Accreditation No. E-10146

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26403

Lab Number: 07061200
Sample Description: Towne East Upstream

Date Sampled: 06/13/2007
Time Sampled: 0800

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/25
Wichita S.W. Herbicides	QC		
Dicamba	ND(1.0)	µg/L	6231/56
Picloram	ND(1.0)	µg/L	6231/56
MCPP	ND(200)	µg/L	6231/56
2,4-D	6.7	µg/L	6231/56
Wichita S.W. NP Pest			
Diazinon	NA	µg/L	6174/95
Malathion	NA	µg/L	6174/95
Prometon	ND(0.5)	µg/L	6174/95
Trichlorfon	NA	µg/L	6174/95
Wichita S.W. OC Pest			
Hexachlorobenzene	ND(0.5)	µg/L	6239/136
Trifluralin	ND(0.5)	µg/L	6239/136
Cadmium, Total	ND(0.003)	mg/L	6322/25
Copper, Total	ND(0.020)	mg/L	6322/18
Hardness (Calculated)	42.2	mg/L as CaCO3	6322/19
Silver, Total	ND(0.010)	mg/L	6322/18
Zinc, Total	0.069	mg/L	6322/18
Chloride	2.2	mg/L	6308/57
Cyanide, Total	ND(0.02)	mg/L	6247/90
Hexane Extractable Material	ND(5.0)	mg/L	6317/10
Solids, Total Dissolved	56.	mg/L	6246/222
Solids, Total Suspended	81.	mg/L	6246/213

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	06/20/2007	07/06/2007	070620-2	2LC1186	SPA	632(M)
Wichita S.W. Herbicides	06/18/2007	06/20/2007	070618-3	2EX5170	JMM	8151A
Wichita S.W. NP Pest	06/15/2007	07/10/2007	070615-6	1EX8191	LPL	8141A
Wichita S.W. OC Pest	06/18/2007	06/21/2007	070618-2	4EX6171	SPA	8081A
Cadmium, Total	06/15/2007	06/19/2007	070615-1	3IP2170	KMW	200.7
Copper, Total	06/15/2007	06/15/2007	070615-1	6IP2166	KMW	200.7
Hardness (Calculated)	06/15/2007	06/15/2007	070615-4	14IP2166	KMW	200.7 & SM 2340B
Silver, Total	06/15/2007	06/15/2007	070615-1	6IP2166	KMW	200.7

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26403

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Zinc, Total	06/15/2007	06/15/2007	070615-1	6IP2166	KMW	200.7
Chloride	N/A	06/21/2007	070621-1	070621-1	JDL	300.0
Cyanide, Total	N/A	06/19/2007	070619-1	070619-1	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	07/05/2007	070705-1	070705-1	SRE	1664
Solids, Total Dissolved	N/A	06/20/2007	070620-1	070620-1	JCO	SM 2540C
Solids, Total Suspended	N/A	06/16/2007	070616-2	070616-2	JCO	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07061200

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26403

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

QC - QC data qualifiers were noted. See the Quality Control Report.

NA - Not Analyzed.

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26403

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	070620-2	070620BLK2	070620LCS2	07061200MS
Lab numbers associated with this batch: 07061200					
CL328	Wichita S.W. Herbicides	070618-3	070618BLK3	070618LCS3	07061197MS
Lab numbers associated with this batch: 07061200					
CL334	Wichita S.W. NP Pest	070615-6	070615BLK6	070615LCS6	07061199MS
Lab numbers associated with this batch: 07061200					
CL352	Wichita S.W. OC Pest	070618-2	070618BLK2	070618LCS2	07061195MS
Lab numbers associated with this batch: 07061200					
SL306	Cadmium, Total	070615-1	070615BLK1	070615LCS1	07061202MS
SL313	Copper, Total	070615-1	070615BLK1	070615LCS1	07061202MS
SL353	Silver, Total	070615-1	070615BLK1	070615LCS1	07061202MS
SL369	Zinc, Total	070615-1	070615BLK1	070615LCS1	07061202MS
Lab numbers associated with this batch: 07061200					
SL323	Hardness (Calculated)	070615-4	070615BLK4	070615LCS4	07061202MS
Lab numbers associated with this batch: 07061200					
GL502	Chloride	070621-1	070621BLK1	070621LCS1	07061740MS
Lab numbers associated with this batch: 07061200					
GL158	Cyanide, Total	070619-1	070619BLK1	070619LCS1	07061165MS
Lab numbers associated with this batch: 07061200					
GL188	Hexane Extractable Material	070705-1	070705BLK1	070705LCS1	07061195MS
Lab numbers associated with this batch: 07061200					
GL242	Solids, Total Dissolved	070620-1	070620BLK1	070620LCS1	
Lab numbers associated with this batch: 07061200					

Continental Analytical Services, Inc.

Quality Control Report
Batch Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26403

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
GL243	Solids, Total Suspended	070616-2	070616BLK2	070616LCS2	07061204MS

Lab numbers associated with this batch:
07061200

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26403

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070615-1	For samples prepared on: 06/15/2007					Spiked sample: 07061202						
Cadmium, Total	ND(0.003)	100	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	103	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	103	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	0.006 J	95.4	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 070615-4	For samples prepared on: 06/15/2007					Spiked sample: 07061202						
Hardness (Calculated)	ND(5.0)	113.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 070615-6	For samples prepared on: 06/15/2007					Spiked sample: 07061199						
Wichita S.W. NP Pest						MN	MN					
Diazinon	NA	NA	79.4-114	1.0	µg/L			79.8-129	1.0	µg/L	**	11.9
Malathion	NA	NA	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	101.	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	NA	NA	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
DMMB(Pesticides)	91.8	94.1	66.6-106	10.0	µg/L	MN	MN	66.6-106	10.0	µg/L	**	
QC Batch: 070616-2	For sample analyzed on: 06/16/2007					Spiked sample: 07061204						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#		mg/L	**	24.4
QC Batch: 070618-2	For samples prepared on: 06/18/2007					Spiked sample: 07061195						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	86.4	#	0.5	µg/L			#	0.5	µg/L	**	#
Trifluralin	ND(0.5)	89.6	#	1.3	µg/L			#	1.3	µg/L	**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	84.6	74.4	30.0-125	0.5	µg/L	MN	MN	30.0-125	0.5	µg/L	**	
Decachlorobiphenyl(DCB)	73.0	62.2	8.70-127	0.5	µg/L	MN	MN	8.70-127	0.5	µg/L	**	
QC Batch: 070618-3	For samples prepared on: 06/18/2007					Spiked sample: 07061197						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	95.8	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	36.3	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	178. LM	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	78.8	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	83.0	105.	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 070619-1	For sample analyzed on: 06/19/2007					Spiked sample: 07061165						
Cyanide, Total	ND(0.02)	104.	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3
QC Batch: 070620-1	For sample analyzed on: 06/20/2007					Spiked sample:						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#			**	5.5
QC Batch: 070620-2	For samples prepared on: 06/20/2007					Spiked sample: 07061200+						
Diuron	ND(5.0)	88.7	#	10.0	µg/L	76.1	84.9	#	10.0	µg/L	10.9	#
Surrogates:												
Neburon	75.6	84.6	60.2-135	10.0	µg/L	69.4	76.7	60.2-135	10.0	µg/L		
QC Batch: 070621-1	For sample analyzed on: 06/21/2007					Spiked sample: 07061740						
Chloride	ND(1.0)	101.	90.0-110	4.0	mg/L	MN	MN	69.5-127	40.0	mg/L	**	12.8
QC Batch: 070705-1	For sample analyzed on: 07/05/2007					Spiked sample: 07061195						

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26403

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070705-1	For sample analyzed on: 07/05/2007					Spiked sample: 07061195						
Hexane Extractable Material	ND(1.4)	85.	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

J - The concentration or non-detect (ND) is an estimated value below the reporting limit but above the MDL. A detectable result has not been verified qualitatively.

N/A - Not Applicable

LH - The Laboratory Control Sample (LCS) recovery for this analyte was above the method or laboratory quality control limit. The reported sample concentration may be biased high.

- Limits not available.

** - RPD cannot be calculated.

+ - The MS/MSD sample analyses were performed on this sample from this Continental order number.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26403

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07061200		**Sample Description:Towne East Upstream**				
Carbamate/Urea Pesticides						
Neburon	06/20/2007	07/06/2007	10	µg/L	83.9	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	06/18/2007	06/20/2007	5.0	µg/L	103.	63.3-134
Wichita S.W. NP Pest						
DMNB(Pesticides)	06/15/2007	07/10/2007	10	µg/L	90.2	66.6-106
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	06/18/2007	06/21/2007	0.5	µg/L	88.6	30.0-125
Decachlorobiphenyl(DCB)	06/18/2007	06/21/2007	0.5	µg/L	45.6	8.70-127

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26403

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	06/19/2007	3IP2170	No data qualifiers present for this analysis.			
Cadmium	06/19/2007	4IP2170	No data qualifiers present for this analysis.			
Diuron	07/05/2007	2LC1186	No data qualifiers present for this analysis.			
Diuron	07/06/2007	3LC1186	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	06/20/2007					
MCPP	06/20/2007	2EX5170	141	175	µg/ml	124. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07061200	2EX5170	Towne East Upstream

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. Herbicides	06/20/2007					
MCPP	06/20/2007	3EX5170	93.9	121	µg/ml	129. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07061200	2EX5170	Towne East Upstream

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	07/10/2007	1EX8191	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	07/10/2007	2EX8191	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	06/21/2007	4EX6171	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	06/21/2007	5EX6171	No data qualifiers present for this analysis.			
Copper	06/15/2007	6IP2166	No data qualifiers present for this analysis.			
Copper	06/15/2007	7IP2166	No data qualifiers present for this analysis.			
Cyanide, Total	06/19/2007	070619-1	No data qualifiers present for this analysis.			
Cyanide, Total	06/19/2007	070619-2	No data qualifiers present for this analysis.			
Hexane Extractable Material	07/05/2007	070705-1	No data qualifiers present for this analysis.			
Hexane Extractable Material	07/05/2007	070705-2	No data qualifiers present for this analysis.			
Chloride	06/21/2007	070621-1	No data qualifiers present for this analysis.			
Chloride	06/21/2007	070621-2	No data qualifiers present for this analysis.			
Silver	06/15/2007	6IP2166	No data qualifiers present for this analysis.			
Silver	06/15/2007	7IP2166	No data qualifiers present for this analysis.			
Zinc	06/15/2007	6IP2166	No data qualifiers present for this analysis.			
Zinc	06/15/2007	7IP2166	No data qualifiers present for this analysis.			

Data Qualifiers:
CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.
Cooler / Sample Receipt Form

Client Name: City of Wichita **CAS File No.:** 5611 **CAS Order No.:** 26403

Sample ID: Upstream Towne East

Sample ID:

Cooler 4 **of** 6 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ / Client's Cooler/Box/Letter/Hand Delivered
Other: _____

Date/Time Cooler Received: 6 / 13 / 02 15 : 35

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Svc/Mail/Walk-In/Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No N/A

Type of Packing Material: Blue Ice/Ice/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other: _____

Cooler Temperature (°C): Original Reading (°C) 2.2 Corrected Reading (°C) 1.2 - 3.2
Temp. By: Temp. Blank ___ Surface X Glass/Plastic/Metal/Other: _____
Thermo. ID No.: SSS Thermo. Correction Factor (°C): 0.1 ± 1.0
SAB 6/13/02

Sample Receipt Discrepancies: ☐ Yes ☑ No
[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other: _____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: SAB **Date Completed:** 6/13/02

C. SAMPLE RECEIVING DEPT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form?: Yes No Sent Test Assignment Review Sheets?: Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

This section reviewed by CAS Project Management: [illegible] **Date Reviewed:** 6/15/02

CAS PROJ. MGMT.

Continental Analytical Services, Inc.

525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CAS ORDER NO: 8C03

CHAIN OF CUSTODY RECORD

Continental Shipping Order Number: 34322

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number: (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712
Sampler's Name:(Printed) Jim Hardesty	Sampler's Name:(Signature) Jim Hardesty
File Number: 5611	Project Name: Stormwater - Spring Event
	Purchase Order Number:

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	Number of Preserved Bottles: HCL	NaOH	HNO3	H2SO4	NONE	OTHER	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 8 - 1000ml Amber Glass - SR	Extra volume for Organics 5 Gal. Container - None			COMMENTS
Towne East Upstream	WW	N	6/13-7	8:00	G	14		1	1	2	1	9	X	X	X	X	X	X			5 Gal. Container to be poured off at lab
																					as needed for required tests.
																					Remaining volume will be saved for
																					for organics if needed.

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SI=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SI=Sludge, A=Air, OL= Oil/Organic Liquid, O=Other

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
Jim Hardesty	6-13-7	12:30	Blaine Thompson	6/13/07	13:10
RELINQUISHED BY: Blaine Thompson	DATE: 6-13-07	TIME: 15:35	RECEIVED BY:	DATE	TIME
RECEIVED AT LAB BY: Rebecca M Baker	DATE: 6/13/07	TIME: 15:35	SHIPPED VIA: AIRBILL	SEAL #: SEAL DATE:	

E:\mrbake\COC\Wichita COC's\CAS 4\10-2007

Continental
Analytical Services, Inc.

07/11/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 06/13/2007
Continental File No.: 5611
Continental Order No.: 26404
Project ID: SW - Spring Eve

Dear Mr. Hardesty:

This laboratory report, consisting of 11 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07061201	McLean Stormwater - Grab	Liquid	6/13/2007
07061202	McLean Stormwater - Composite	Liquid	6/13/2007

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

The Appendix and Quality Control sections are an integral part of this report and may contain important data qualifiers. The chain of custody and sample receipt form are also included as attachments to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830
KDHE Environmental Laboratory Accreditation No. E-10146

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26404

Lab Number: 07061201
Sample Description: McLean Stormwater - Grab

Date Sampled: 06/13/2007
Time Sampled: 0835

Analysis	Concentration	Units	Book/Page
Cyanide, Total	ND(0.02)	mg/L	6247/90
Hexane Extractable Material	ND(5.0)	mg/L	6317/10

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Cyanide, Total	N/A	06/19/2007	070619-1	070619-1	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	07/05/2007	070705-1	070705-1	SRE	1664

Conclusion of Lab Number: 07061201

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26404

Lab Number: 07061202
Sample Description: McLean Stormwater - Composite

Date Sampled: 06/13/2007
Time Sampled: 0835

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/25
Wichita S.W. Herbicides	QC		
Dicamba	ND(1.0)	µg/L	6231/56
Picloram	ND(1.0)	µg/L	6231/56
MCPP	ND(200)	µg/L	6231/56
2,4-D	ND(1.0)	µg/L	6231/56
Wichita S.W. NP Pest			
Diazinon	NA	µg/L	6174/95
Malathion	NA	µg/L	6174/95
Prometon	ND(0.5)	µg/L	6174/95
Trichlorfon	NA	µg/L	6174/95
Wichita S.W. OC Pest			
Hexachlorobenzene	ND(0.5)	µg/L	6239/136
Trifluralin	ND(0.5)	µg/L	6239/136
Cadmium, Total	ND(0.003) QC	mg/L	6322/23
Copper, Total	ND(0.020)	mg/L	6322/18
Hardness (Calculated)	24.0	mg/L as CaCO3	6322/19
Silver, Total	ND(0.010)	mg/L	6322/18
Zinc, Total	0.105	mg/L	6322/18
Chloride	1.4	mg/L	6308/57
Solids, Total Dissolved	34.	mg/L	6246/222
Solids, Total Suspended	40.	mg/L	6246/213

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	06/20/2007	07/06/2007	070620-2	2LC1186	SPA	632(M)
Wichita S.W. Herbicides	06/18/2007	06/20/2007	070618-3	2EX5170	JMM	8151A
Wichita S.W. NP Pest	06/15/2007	07/10/2007	070615-6	1EX8191	LPL	8141A
Wichita S.W. OC Pest	06/18/2007	06/21/2007	070618-2	4EX6171	SPA	8081A
Cadmium, Total	06/15/2007	06/18/2007	070615-1	3IP2169	KMW	200.7
Copper, Total	06/15/2007	06/15/2007	070615-1	7IP2166	KMW	200.7
Hardness (Calculated)	06/15/2007	06/15/2007	070615-4	14IP2166	KMW	200.7 & SM 2340B
Silver, Total	06/15/2007	06/15/2007	070615-1	7IP2166	KMW	200.7
Zinc, Total	06/15/2007	06/15/2007	070615-1	7IP2166	KMW	200.7
Chloride	N/A	06/21/2007	070621-1	070621-2	JDL	300.0

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26404

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Solids, Total Dissolved	N/A	06/20/2007	070620-1	070620-1	JCO	SM 2540C
Solids, Total Suspended	N/A	06/16/2007	070616-2	070616-2	JCO	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07061202

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26404

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

QC - QC data qualifiers were noted. See the Quality Control Report.

NA - Not Analyzed.

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26404

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	070620-2	070620BLK2	070620LCS2	07061200MS
Lab numbers associated with this batch: 07061202					
CL328	Wichita S.W. Herbicides	070618-3	070618BLK3	070618LCS3	07061197MS
Lab numbers associated with this batch: 07061202					
CL334	Wichita S.W. NP Pest	070615-6	070615BLK6	070615LCS6	07061199MS
Lab numbers associated with this batch: 07061202					
CL352	Wichita S.W. OC Pest	070618-2	070618BLK2	070618LCS2	07061195MS
Lab numbers associated with this batch: 07061202					
SL306	Cadmium, Total	070615-1	070615BLK1	070615LCS1	07061202MS
SL313	Copper, Total	070615-1	070615BLK1	070615LCS1	07061202MS
SL353	Silver, Total	070615-1	070615BLK1	070615LCS1	07061202MS
SL369	Zinc, Total	070615-1	070615BLK1	070615LCS1	07061202MS
Lab numbers associated with this batch: 07061202					
SL323	Hardness (Calculated)	070615-4	070615BLK4	070615LCS4	07061202MS
Lab numbers associated with this batch: 07061202					
GL502	Chloride	070621-1	070621BLK1	070621LCS1	07061740MS
Lab numbers associated with this batch: 07061202					
GL158	Cyanide, Total	070619-1	070619BLK1	070619LCS1	07061165MS
Lab numbers associated with this batch: 07061201					
GL188	Hexane Extractable Material	070705-1	070705BLK1	070705LCS1	07061195MS
Lab numbers associated with this batch: 07061201					
GL242	Solids, Total Dissolved	070620-1	070620BLK1	070620LCS1	
Lab numbers associated with this batch: 07061202					

Continental Analytical Services, Inc.

Quality Control Report
Batch Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26404

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
GL243	Solids, Total Suspended	070616-2	070616BLK2	070616LCS2	07061204MS

Lab numbers associated with this batch:
07061202

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830
KDHE Environmental Laboratory Accreditation No. E-10146

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26404

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070615-1	For samples prepared on: 06/15/2007					Spiked sample: 07061202+						
Cadmium, Total	ND(0.003)	100	85.0-115	0.5	mg/L	97.2	93.4 MP	88.1-107	0.5	mg/L	4.0	3.7
Copper, Total	ND(0.020)	103	85.0-115	0.5	mg/L	103	102	93.8-113	0.5	mg/L	1.0	3.7
Silver, Total	ND(0.010)	103	85.0-115	0.1	mg/L	103	102	94.3-114	0.1	mg/L	1.0	4.1
Zinc, Total	0.006 J	95.4	85.0-115	0.5	mg/L	95.1	94.5	85.3-111	0.5	mg/L	0.6	6.5
QC Batch: 070615-4	For samples prepared on: 06/15/2007					Spiked sample: 07061202+						
Hardness (Calculated)	ND(5.0)	113.	85.0-115	337	mg/L a	99.1	101.	83.0-111	337	mg/L as	1.9	7.9
QC Batch: 070615-6	For samples prepared on: 06/15/2007					Spiked sample: 07061199						
Wichita S.W. NP Pest						MN	MN					
Diazinon	NA	NA	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	NA	NA	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	101.	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	NA	NA	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
DMNB(Pesticides)	91.8	94.1	66.6-106	10.0	µg/L	MN	MN	66.6-106	10.0	µg/L	**	
QC Batch: 070616-2	For sample analyzed on: 06/16/2007					Spiked sample: 07061204						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#		mg/L	**	24.4
QC Batch: 070618-2	For samples prepared on: 06/18/2007					Spiked sample: 07061195						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	86.4	#	0.5	µg/L			#	0.5	µg/L	**	#
Trifluralin	ND(0.5)	89.6	#	1.3	µg/L			#	1.3	µg/L	**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	84.6	74.4	30.0-125	0.5	µg/L	MN	MN	30.0-125	0.5	µg/L	**	
Decachlorobiphenyl(DCB)	73.0	62.2	8.70-127	0.5	µg/L	MN	MN	8.70-127	0.5	µg/L	**	
QC Batch: 070618-3	For samples prepared on: 06/18/2007					Spiked sample: 07061197						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	95.8	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	36.3	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	178. LH	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	78.8	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	83.0	105.	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 070619-1	For sample analyzed on: 06/19/2007					Spiked sample: 07061165						
Cyanide, Total	ND(0.02)	104.	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3
QC Batch: 070620-1	For sample analyzed on: 06/20/2007					Spiked sample:						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#			**	5.5
QC Batch: 070620-2	For samples prepared on: 06/20/2007					Spiked sample: 07061200						
Diuron	ND(5.0)	88.7	#	10.0	µg/L	MN	MN	#	10.0	µg/L	**	#
Surrogates:												
Neburon	75.6	84.6	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 070621-1	For sample analyzed on: 06/21/2007					Spiked sample: 07061740						
Chloride	ND(1.0)	101.	90.0-110	4.0	mg/L	MN	MN	69.5-127	40.0	mg/L	**	12.8
QC Batch: 070705-1	For sample analyzed on: 07/05/2007					Spiked sample: 07061195						

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26404

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070705-1	For sample analysed on: 07/05/2007					Spiked sample: 07061195						
Hexane Extractable Material	ND(1.4)	85.	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0

Data Qualifiers:

MP - The MS/MSD recoveries for this analyte exceeded the method or laboratory precision control limit. The reported sample concentration is estimated.

J - The concentration or non-detect (ND) is an estimated value below the reporting limit but above the MDL. A detectable result has not been verified qualitatively.

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

N/A - Not Applicable

LH - The Laboratory Control Sample (LCS) recovery for this analyte was above the method or laboratory quality control limit. The reported sample concentration may be biased high.

- Limits not available.

** - RPD cannot be calculated.

+ - The MS/MSD sample analyses were performed on this sample from this Continental order number.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26404

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07061202		**Sample Description:McLean Stormwater - Composite**				
Carbamate/Urea Pesticides						
Neburon	06/20/2007	07/06/2007	10	µg/L	79.6	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	06/18/2007	06/20/2007	5.0	µg/L	104.	63.3-134
Wichita S.W. NP Pest						
DMNB(Pesticides)	06/15/2007	07/10/2007	10	µg/L	95.8	66.6-106
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	06/18/2007	06/21/2007	0.5	µg/L	88.0	30.0-125
Decachlorobiphenyl(DCB)	06/18/2007	06/21/2007	0.5	µg/L	36.2	8.70-127

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26404

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	06/18/2007	3IP2169	No data qualifiers present for this analysis.			
Cadmium	06/18/2007	4IP2169	No data qualifiers present for this analysis.			
Diuron	07/05/2007	2LC1186	No data qualifiers present for this analysis.			
Diuron	07/06/2007	3LC1186	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	06/20/2007					
MCPP	06/20/2007	2EX5170	141	175	µg/ml	124. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07061202	2EX5170	McLean Stormwater - Composite

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. Herbicides	06/20/2007					
MCPP	06/20/2007	3EX5170	93.9	121	µg/ml	129. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07061202	2EX5170	McLean Stormwater - Composite

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	07/10/2007	1EX8191	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	07/10/2007	2EX8191	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	06/21/2007	4EX6171	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	06/21/2007	5EX6171	No data qualifiers present for this analysis.			
Copper	06/15/2007	7IP2166	No data qualifiers present for this analysis.			
Copper	06/15/2007	8IP2166	No data qualifiers present for this analysis.			
Cyanide, Total	06/19/2007	070619-1	No data qualifiers present for this analysis.			
Cyanide, Total	06/19/2007	070619-2	No data qualifiers present for this analysis.			
Hexane Extractable Material	07/05/2007	070705-1	No data qualifiers present for this analysis.			
Hexane Extractable Material	07/05/2007	070705-2	No data qualifiers present for this analysis.			
Chloride	06/21/2007	070621-2	No data qualifiers present for this analysis.			
Chloride	06/21/2007	070621-3	No data qualifiers present for this analysis.			
Silver	06/15/2007	7IP2166	No data qualifiers present for this analysis.			
Silver	06/15/2007	8IP2166	No data qualifiers present for this analysis.			
Zinc	06/15/2007	7IP2166	No data qualifiers present for this analysis.			
Zinc	06/15/2007	8IP2166	No data qualifiers present for this analysis.			

Data Qualifiers:
CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.
Cooler / Sample Receipt Form

CAS SAMPLE RECEIVING DEPT.

Client Name: City of Wichita **CAS File No.:** 5611 **CAS Order No.:** 26404

Sample ID: McLean SMB 6/13/02 McLean

Sample ID:

Cooler 5 **of** 6 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ /Client's Cooler/Box/Letter/Hand Delivered
Other: _____

Date/Time Cooler Received: 6 / 13 / 02 15 : 55

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Svc/Mail/Walk-In/Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/Ice/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other: _____

Cooler Temperature (°C): Original Reading (°C) 3.3 Corrected Reading (°C) 2.3 - 4.3
Temp. By: Temp. Blank _____ Surface X Glass/Plastic/Metal/Other: _____
Thermo. ID No.: SSS Thermo. Correction Factor (°C): ± 1.0

Sample Receipt Discrepancies: ☐ Yes ☒ No
[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other: _____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: SMB **Date Completed:** 6/13/02

CAS PROJ. MGMT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form?: Yes No Sent Test Assignment Review Sheets?: Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

This section reviewed by CAS Project Management: [illegible] **Date Reviewed:** 6/14/02

Continental Analytical Services, Inc.

525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CHAIN OF CUSTODY RECORD

CAS ORDER NO: 26404

Continental Shipping Order Number: 34322

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number: (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712

Sampler's Name:(Printed) Jim Hardesty
Sampler's Name:(Signature) Jim Hardesty
Purchase Order Number:
File Number: 5611
Project Name: Stormwater - Spring Event

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	Number of Preserved Bottles: HCL	NaOH	HNO3	H2SO4	NONE	OTHER	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 8 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
McLean Stormwater - Grab	WW	N	6-13-7	8:35	G	3		1		2			X	X							5 Gal. Container to be poured off at lab
McLean Stormwater - Composite	WW	N			C	11			1		1	9			X	X	X	X			as needed for Composite Tests.
																					Remaining volume will be saved for
																					for organics if needed.

Regulatory Program N=NPDES, R=RCRA, D=Drinking Water, SI=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SI=Sludge, A=Air, OL = Oil/Organic Liquid, O=Other

RELINQUISHED BY: Jim Hardesty	DATE: 6-13-7	TIME: 12:30	RECEIVED BY: Thompson	DATE: 6/13/07	TIME: 13:10
RELINQUISHED BY: Thompson	DATE: 6-13-07	TIME: 15:35	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY: Robin M Baker	DATE: 6/13/07	TIME: 15:35	SHIPPED VIA: AIRBILL	SEAL #: SEAL DATE	

E:\media\COC\Wichita COC.XLS 10/2007

Continental
Analytical Services, Inc.

07/11/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 06/13/2007
Continental File No.: 5611
Continental Order No.: 26405
Project ID: SW - Spring Eve

Dear Mr. Hardesty:

This laboratory report, consisting of 11 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07061203	Huntington Stormwater - Grab	Liquid	6/13/2007
07061204	Huntington Stormwater - Comp.	Liquid	6/13/2007

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

The Appendix and Quality Control sections are an integral part of this report and may contain important data qualifiers. The chain of custody and sample receipt form are also included as attachments to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830
KDHE Environmental Laboratory Accreditation No. E-10146

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26405

Lab Number: 07061203
Sample Description: Huntington Stormwater - Grab

Date Sampled: 06/13/2007
Time Sampled: 0750

Analysis	Concentration	Units	Book/Page
Cyanide, Total	ND(0.02)	mg/L	6247/90
Hexane Extractable Material	ND(5.0)	mg/L	6317/10

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Cyanide, Total	N/A	06/19/2007	070619-1	070619-2	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	07/05/2007	070705-1	070705-1	SRE	1664

Conclusion of Lab Number: 07061203

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26405

Lab Number: 07061204
Sample Description: Huntington Stormwater - Comp.

Date Sampled: 06/13/2007
Time Sampled: 0750

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/25
Wichita S.W. Herbicides	QC		
Dicamba	ND(1.0)	µg/L	6231/56
Picloram	ND(1.0)	µg/L	6231/56
MCPP	ND(200)	µg/L	6231/56
2,4-D	ND(1.0)	µg/L	6231/56
Wichita S.W. NP Pest			
Diazinon	NA	µg/L	6174/95
Malathion	NA	µg/L	6174/95
Prometon	ND(0.5)	µg/L	6174/95
Trichlorfon	NA	µg/L	6174/95
Wichita S.W. OC Pest			
Hexachlorobenzene	ND(0.5)	µg/L	6239/136
Trifluralin	ND(0.5)	µg/L	6239/136
Cadmium, Total	0.007	mg/L	6322/23
Copper, Total	0.029	mg/L	6322/18
Hardness (Calculated)	105.	mg/L as CaCO3	6322/24
Silver, Total	ND(0.010)	mg/L	6322/18
Zinc, Total	1.51	mg/L	6322/18
Chloride	ND(1.0)	mg/L	6308/57
Solids, Total Dissolved	32. QC	mg/L	6246/222
Solids, Total Suspended	1070.	mg/L	6246/213

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	06/20/2007	07/06/2007	070620-2	2LC1186	SPA	632(M)
Wichita S.W. Herbicides	06/18/2007	06/20/2007	070618-3	2EX5170	JMM	8151A
Wichita S.W. NP Pest	06/15/2007	07/10/2007	070615-6	1EX8191	LPL	8141A
Wichita S.W. OC Pest	06/18/2007	06/21/2007	070618-2	5EX6171	SPA	8081A
Cadmium, Total	06/15/2007	06/18/2007	070615-1	3IP2169	KMW	200.7
Copper, Total	06/15/2007	06/15/2007	070615-1	6IP2166	KMW	200.7
Hardness (Calculated)	06/18/2007	06/18/2007	070618-1	6IP2169	KMW	200.7 & SM 2340B
Silver, Total	06/15/2007	06/15/2007	070615-1	6IP2166	KMW	200.7
Zinc, Total	06/15/2007	06/15/2007	070615-1	6IP2166	KMW	200.7
Chloride	N/A	06/21/2007	070621-1	070621-2	JDL	300.0

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26405

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Solids, Total Dissolved	N/A	06/20/2007	070620-1	070620-1	JCO	SM 2540C
Solids, Total Suspended	N/A	06/16/2007	070616-2	070616-2	JCO	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07061204

ND(), where noted, indicates none detected with the reporting limit in parentheses.

Continental Analytical Services, Inc.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 07/11/2007
Date Sample Recd: 06/13/2007
Continental File No: 5611
Continental Order No: 26405

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

QC - QC data qualifiers were noted. See the Quality Control Report.

NA - Not Analyzed.

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26405

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	070620-2	070620BLK2	070620LCS2	07061200MS
Lab numbers associated with this batch: 07061204					
CL328	Wichita S.W. Herbicides	070618-3	070618BLK3	070618LCS3	07061197MS
Lab numbers associated with this batch: 07061204					
CL334	Wichita S.W. NP Pest	070615-6	070615BLK6	070615LCS6	07061199MS
Lab numbers associated with this batch: 07061204					
CL352	Wichita S.W. OC Pest	070618-2	070618BLK2	070618LCS2	07061195MS
Lab numbers associated with this batch: 07061204					
SL306	Cadmium, Total	070615-1	070615BLK1	070615LCS1	07061202MS
SL313	Copper, Total	070615-1	070615BLK1	070615LCS1	07061202MS
SL353	Silver, Total	070615-1	070615BLK1	070615LCS1	07061202MS
SL369	Zinc, Total	070615-1	070615BLK1	070615LCS1	07061202MS
Lab numbers associated with this batch: 07061204					
SL323	Hardness (Calculated)	070618-1	070618BLK1	07061ELCS1	07060411MS
Lab numbers associated with this batch: 07061204					
GL502	Chloride	070621-1	070621BLK1	070621LCS1	07061740MS
Lab numbers associated with this batch: 07061204					
GL158	Cyanide, Total	070619-1	070619BLK1	070619LCS1	07061165MS
Lab numbers associated with this batch: 07061203					
GL188	Hexane Extractable Material	070705-1	070705BLK1	070705LCS1	07061195MS
Lab numbers associated with this batch: 07061203					
GL242	Solids, Total Dissolved	070620-1	070620BLK1	070620LCS1	
Lab numbers associated with this batch: 07061204					

Continental Analytical Services, Inc.

Quality Control Report
Batch Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26405

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
GL243	Solids, Total Suspended	070616-2	070616BLK2	070616LCS2	07061204MS

Lab numbers associated with this batch:
07061204

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26405

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070615-1	For samples prepared on: 06/15/2007					Spiked sample: 07061202						
Cadmium, Total	ND(0.003)	100	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	103	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	103	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	0.006 J	95.4	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 070615-6	For samples prepared on: 06/15/2007					Spiked sample: 07061199						
Wichita S.W. NP Pest						MN	MN					
Diazinon	NA	NA	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	NA	NA	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	101.	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	NA	NA	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
DMMB(Pesticides)	91.8	94.1	66.6-106	10.0	µg/L	MN	MN	66.6-106	10.0	µg/L	**	
QC Batch: 070616-2	For sample analyzed on: 06/16/2007					Spiked sample: 07061204+						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	1070. T	1150. T	#		mg/L	7.2	24.4
QC Batch: 070618-1	For samples prepared on: 06/18/2007					Spiked sample: 07060411						
Hardness (Calculated)	ND(5.0)	101.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 070618-2	For samples prepared on: 06/18/2007					Spiked sample: 07061195						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	86.4	#	0.5	µg/L			#	0.5	µg/L	**	#
Trifluralin	ND(0.5)	89.6	#	1.3	µg/L			#	1.3	µg/L	**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	84.6	74.4	30.0-125	0.5	µg/L	MN	MN	30.0-125	0.5	µg/L	**	
Decachlorobiphenyl(DCB)	73.0	62.2	8.70-127	0.5	µg/L	MN	MN	8.70-127	0.5	µg/L	**	
QC Batch: 070618-3	For samples prepared on: 06/18/2007					Spiked sample: 07061197						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	95.8	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	36.3	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	178. LM	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	78.8	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	83.0	105.	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 070619-1	For sample analyzed on: 06/19/2007					Spiked sample: 07061165						
Cyanide, Total	ND(0.02)	104.	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3
QC Batch: 070620-1	For sample analyzed on: 06/20/2007					Spiked sample:						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#			**	5.5
QC Batch: 070620-2	For samples prepared on: 06/20/2007					Spiked sample: 07061200						
Diuron	ND(5.0)	88.7	#	10.0	µg/L	MN	MN	#	10.0	µg/L	**	#
Surrogates:												
Neburon	75.6	84.6	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 070621-1	For sample analyzed on: 06/21/2007					Spiked sample: 07061740						
Chloride	ND(1.0)	101.	90.0-110	4.0	mg/L	MN	MN	69.5-127	40.0	mg/L	**	12.8
QC Batch: 070705-1	For sample analyzed on: 07/05/2007					Spiked sample: 07061195						

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26405

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 070703-1	For sample analyzed on: 07/05/2007					Spiked sample: 07061135						
Hexane Extractable Material	ND(1.4)	85.	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

J - The concentration or non-detect (ND) is an estimated value below the reporting limit but above the MDL. A detectable result has not been verified qualitatively.

N/A - Not Applicable

T - MS/MSD cannot be performed for this analysis. The MS result is the same as the sample result. The MSD result is a duplicate of the sample.

LH - The Laboratory Control Sample (LCS) recovery for this analyte was above the method or laboratory quality control limit. The reported sample concentration may be biased high.

$ - Limits not available.

** - RPD cannot be calculated.

+ - The MS/MSD sample analyses were performed on this sample from this Continental order number.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26405

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07061204		**Sample Description:Huntington Stormwater - Comp.**				
Carbamate/Urea Pesticides						
Neburon	06/20/2007	07/06/2007	10	µg/L	76.5	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	06/18/2007	06/20/2007	5.0	µg/L	95.9	63.3-134
Wichita S.W. NP Pest						
DMNB(Pesticides)	06/15/2007	07/10/2007	10	µg/L	84.6	66.6-106
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	06/18/2007	06/21/2007	0.5	µg/L	86.4	30.0-125
Decachlorobiphenyl(DCB)	06/18/2007	06/21/2007	0.5	µg/L	48.0	8.70-127

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 07/11/2007
Date Sample Received: 06/13/2007
Continental File No: 5611
Continental Order No: 26405

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	06/18/2007	3IP2169	No data qualifiers present for this analysis.			
Cadmium	06/18/2007	4IP2169	No data qualifiers present for this analysis.			
Diuron	07/05/2007	2LC1186	No data qualifiers present for this analysis.			
Diuron	07/06/2007	3LC1186	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	06/20/2007					
MCPP	06/20/2007	2EX5170	141	175	µg/ml	124. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07061204	2EX5170	Huntington Stormwater - Comp.

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. Herbicides	06/20/2007					
MCPP	06/20/2007	3EX5170	93.9	121	µg/ml	129. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07061204	2EX5170	Huntington Stormwater - Comp.

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	07/10/2007	1EX8191	No data qualifiers present for this analysis.			
Wichita S.W. NP Pest	07/10/2007	2EX8191	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	06/21/2007	5EX6171	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	06/22/2007	6EX6171	No data qualifiers present for this analysis.			
Copper	06/15/2007	6IP2166	No data qualifiers present for this analysis.			
Copper	06/15/2007	7IP2166	No data qualifiers present for this analysis.			
Cyanide, Total	06/19/2007	070619-2	No data qualifiers present for this analysis.			
Cyanide, Total	06/19/2007	070619-3	No data qualifiers present for this analysis.			
Hexane Extractable Material	07/05/2007	070705-1	No data qualifiers present for this analysis.			
Hexane Extractable Material	07/05/2007	070705-2	No data qualifiers present for this analysis.			
Chloride	06/21/2007	070621-2	No data qualifiers present for this analysis.			
Chloride	06/21/2007	070621-3	No data qualifiers present for this analysis.			
Silver	06/15/2007	6IP2166	No data qualifiers present for this analysis.			
Silver	06/15/2007	7IP2166	No data qualifiers present for this analysis.			
Zinc	06/15/2007	6IP2166	No data qualifiers present for this analysis.			
Zinc	06/18/2007	6IP2169	No data qualifiers present for this analysis.			
Zinc	06/15/2007	7IP2166	No data qualifiers present for this analysis.			

Data Qualifiers:

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.
Cooler / Sample Receipt Form

CAS SAMPLE RECEIVING DEPT.

Client Name: City of Whittier **CAS File No.:** 5611 **CAS Order No.:** 26405

Sample ID: Huntington

Sample ID:

Cooler 6 **of** 6 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ /Client's Cooler/Box/Letter/Hand Delivered
Other: _____

Date/Time Cooler Received: 6 / 13 / 07 15 : 35

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Svcs/Mail/Walk-In/Other: _____

Custody Seal: Present: Intact / Broken Absent: X Seal No: _____
Seal Name: _____ Seal Date: _____
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/Ice/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other: _____

Cooler Temperature (°C): Original Reading (°C) 2.0 Corrected Reading (°C) 1.0-3.0
Temp. By: Temp. Blank _____ Surface X Glass/Plastic/Metal/Other: _____
Thermo. ID No.: SSS Thermo. Correction Factor (°C): +1.0

Sample Receipt Discrepancies: ☐ Yes ☒ No
[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other: _____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: JMB **Date Completed:** 6/13/07

CAS PROJ. MGMT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form?: Yes No Sent Test Assignment Review Sheets?: Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

This section reviewed by CAS Project Management: _____ **Date Reviewed:** 6/14/07

Continental Analytical Services, Inc.

525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CAS ORDER NO: C405

CHAIN OF CUSTODY RECORD

Continental Shipping Order Number: 34322

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number: (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712
Sampler's Name:(Printed) JIM HARDESTY Sampler's Name:(Signature) Jim Hardesty	Purchase Order Number:
File Number: 5611 Project Name: Stormwater - Spring Event	

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	Number of Preserved Bottles: HCL	NaOH	HNO3	H2SO4	NONE	OTHER:	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 8 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
Huntington Stormwater - Grab	WW	N	6-13-7	7:50	G	3		1		2			X	X							5 Gal. Container to be poured off at lab
Huntington Stormwater - Composite	WW	N			C	11			1		1	9			X	X	X	X			as needed for Composite Tests.
																					Remaining volume will be saved for
																					for organics if needed.

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SI=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SI=Sludge, A=Air, OL= Oil/Organic Liquid, O=Other

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
Jim Hardesty	6-13-7	12:30	[illegible]	6/13/07	13:10
RELINQUISHED BY: [illegible]	DATE: 6-13-07	TIME: 15:35	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY: Rebecca M Baker	DATE: 6/13/07	TIME: 15:35	SHIPPED VIA: AIRBILL:	SEAL #: SEAL DATE:	

II:\wichita\COC\Wichita COCs.XLS\4/10/2007

Storm Event Test Results
For
Autumn

City of Wichita

2007

CITY OF WICHITA SEWAGE TREATMENT DIVISION
BACTERIOLOGICAL RESULTS

SAMPLE ID Storm Event	DATE OF ANALYSIS	FECAL COLIFORM CFU/100 ML	E.COLI IDEXX MPN/100 ML	FECAL STREP CFU/100 ML
Huntington	10/2/07		1732.87	
Towne East			> 2419.2	
McLean			> 2419.2	
Broadway			> 2419.2	
Ind. #1			20.1	
Ind. #2			2419.17	

Continental
Analytical Services, Inc.

10/30/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 10/03/2007
Continental File No.: 5611
Continental Order No.: 28649
P.O./Project No: SW-Summer Event
Project ID: Towne East SW

Dear Mr. Hardesty:

This laboratory report, consisting of 12 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07100295	Towne East SW-Grab	Liquid	10/2/2007
07100296	Towne East SW-Composite	Liquid	10/2/2007

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

The Appendix and Quality Control sections are an integral part of this report and may contain important data qualifiers. The chain of custody and sample receipt form are also included as attachments to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830

KDHE Environmental Laboratory Accreditation No. E-10146

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28649

Lab Number: 07100295
Sample Description: Towne East SW-Grab

Date Sampled: 10/02/2007
Time Sampled: 1110

Analysis	Concentration	Units	Book/Page
Cyanide, Total	ND(0.02)	mg/L	6327/50
Hexane Extractable Material	6.2	mg/L	6208/84

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Cyanide, Total	N/A	10/12/2007	071012-1	071012-2	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	10/17/2007	071017-1	071017-1	SRE	1664

Conclusion of Lab Number: 07100295

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28649

Lab Number: 07100296
Sample Description: Towne East SW-Composite

Date Sampled: 10/02/2007
Time Sampled: 1110

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/38
Wichita S.W. Herbicides	QC		
Dicamba	2.7	µg/L	6231/96
Picloram	ND(1.0)	µg/L	6231/96
MCPP	ND(200)	µg/L	6231/96
2,4-D	ND(1.0)	µg/L	6231/96
Wichita S.W. NP Pest			
Diazinon	ND(0.5)	µg/L	6175/116
Malathion	ND(0.5)	µg/L	6175/116
Prometon	ND(0.5)	µg/L	6175/116
Trichlorfon	ND(5.0) EV	µg/L	6175/116
Wichita S.W. OC Pest			
Hexachlorobenzene	ND(0.5)	µg/L	6239/219
Trifluralin	ND(0.5)	µg/L	6239/219
Carbaryl, Method 632	ND(5.0)	µg/L	6240/38
Cadmium, Total	ND(0.003)	mg/L	6360/52
Copper, Total	0.023	mg/L	6360/52
Hardness (Calculated)	289.	mg/L as CaCO3	6360/43
Silver, Total	ND(0.010)	mg/L	6360/52
Zinc, Total	0.185	mg/L	6378/4
Chloride	253.	mg/L	6374/12
Solids, Total Dissolved	700.	mg/L	6246/390
Solids, Total Suspended	192.	mg/L	6246/388

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	10/04/2007	10/12/2007	071004-2	2LC1285	SPA	632(M)
Wichita S.W. Herbicides	10/08/2007	10/10/2007	071008-3	1EX5282	LPL	8151A
Wichita S.W. NP Pest	10/09/2007	10/23/2007	071009-5	1EX1295	LPL	8141A
Wichita S.W. OC Pest	10/04/2007	10/13/2007	071004-1	3EX6285	SPA	8081A
Carbaryl, Method 632	10/04/2007	10/12/2007	071004-2	2LC1285	SPA	632(M)
Cadmium, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7
Copper, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7
Hardness (Calculated)	10/09/2007	10/10/2007	071009-6	14IP2282	KMW	200.7 & SM 2340B
Silver, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28649

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Zinc, Total	10/11/2007	10/24/2007	071011-4	9IP2296	KMW	200.7
Chloride	N/A	10/20/2007	071019-2	071019-6	JAC	300.0
Solids, Total Dissolved	N/A	10/09/2007	071009-1	071009-1	SRE	SM 2540C
Solids, Total Suspended	N/A	10/08/2007	071008-1	071008-1	SRE	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07100296

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28649

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

QC - QC data qualifiers were noted. See the Quality Control Report.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

Continental Analytical Services, Inc.

Quality Control Report
Batch Summary

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28649

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	071004-2	071004BLK2	071004LCS2	
Lab numbers associated with this batch: 07100296					
CL328	Wichita S.W. Herbicides	071008-3	071008BLK3	071008LCS3	07100287MS
Lab numbers associated with this batch: 07100296					
CL334	Wichita S.W. NP Pest	071009-5	071009BLK5	071009LCS5	07100289MS
Lab numbers associated with this batch: 07100296					
CL352	Wichita S.W. OC Pest	071004-1	071004BLK1	071004LCS1	
Lab numbers associated with this batch: 07100296					
CL375	Carbaryl, Method 632	071004-2	071004BLK2	071004LCS2	07092409MS
Lab numbers associated with this batch: 07100296					
SL323	Hardness (Calculated)	071009-6	071009BLK6	071009LCS6	07100504MS
Lab numbers associated with this batch: 07100296					
SL306	Cadmium, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL313	Copper, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL353	Silver, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL369	Zinc, Total	071011-4	071011BLK4	071011LCS4	07100292MS
Lab numbers associated with this batch: 07100296					
GL502	Chloride	071019-2	071019BLK2	071019LCS2	07100415MS
Lab numbers associated with this batch: 07100296					
GL158	Cyanide, Total	071012-1	071012BLK1	071012LCS1	07100275MS
Lab numbers associated with this batch: 07100295					
GL188	Hexane Extractable Material	071017-1	071017BLK1	071017LCS1	07100159MS
Lab numbers associated with this batch: 07100295					

Continental Analytical Services, Inc.

Quality Control Report
Batch Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28649

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
GL242	Solids, Total Dissolved	071009-1	071009BLK1	071009LCS1	07100287MS
Lab numbers associated with this batch: 07100296					
GL243	Solids, Total Suspended	071008-1	071008BLK1	071008LCS1	
Lab numbers associated with this batch: 07100296					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28649

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071004-1	For samples prepared on: 10/04/2007					Spiked sample:						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	N/A	#		µg/L			#			**	#
Trifluralin	ND(0.5)	83.4	#	1.3	µg/L			#			**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	45.2 CH	71.2 CH	30.0-125	0.5	µg/L	MN	MN				**	
Decachlorobiphenyl(DCB)	83.0	103.	8.70-127	0.5	µg/L	MN	MN				**	
QC Batch: 071004-2	For samples prepared on: 10/04/2007					Spiked sample:						
Diuron	ND(5.0)	86.6	#	10.0	µg/L	MN	MN	#			**	#
Surrogates:												
Neburon	83.4	85.0	60.2-135	10.0	µg/L	MN	MN				**	
QC Batch: 071004-2	For samples prepared on: 10/04/2007					Spiked sample: 07092409						
Carbaryl, Method 632	ND(5.0)	92.0	63.8-119	10.0	µg/L	MN	MN	63.8-123	10.0	µg/L	**	10.8
Surrogates:												
Neburon	83.4	85.0	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 071008-1	For sample analyzed on: 10/08/2007					Spiked sample:						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#			**	24.4
QC Batch: 071008-3	For samples prepared on: 10/08/2007					Spiked sample: 07100287						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	106.	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	107.	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	165.	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	109.	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	110.	115.	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 071009-1	For sample analyzed on: 10/09/2007					Spiked sample: 07100287						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#		mg/L	**	5.5
QC Batch: 071009-5	For samples prepared on: 10/09/2007					Spiked sample: 07100289						
Wichita S.W. NP Pest						MN	MN					
Diazinon	ND(0.5)	91.5	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	ND(0.5)	99.1	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	92.4	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	ND(5.0) EV	0.0 EV	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
o,o,o-TEP	92.3	101.	77.5-105	1.0	µg/L	MN	MN	77.5-105	1.0	µg/L	**	
QC Batch: 071009-6	For samples prepared on: 10/09/2007					Spiked sample: 07100504						
Hardness (Calculated)	ND(5.0)	110.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 071011-4	For samples prepared on: 10/11/2007					Spiked sample: 07100292						
Cadmium, Total	ND(0.003)	93.8	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	91.4	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	108	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	ND(0.020)	104	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 071012-1	For sample analyzed on: 10/12/2007					Spiked sample: 07100275						
Cyanide, Total	ND(0.02)	99.7	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28649

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071017-1	For sample analyzed on: 10/17/2007					Spiked sample: 07100159						
Hexane Extractable Material	ND(1.4)	93.5	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0
QC Batch: 071019-2	For sample analyzed on: 10/19/2007					Spiked sample: 07100415						
Chloride	ND(1.0)	98.4	90.0-110	4.0	mg/L	MN	MN	69.5-127	400	mg/L	**	12.8

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

N/A - Not Applicable

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

- Limits not available.

** - RPD cannot be calculated.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28649

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07100296		**Sample Description:Towne East SW-Composite**				
Carbamate/Urea Pesticides						
Neburon	10/04/2007	10/12/2007	10	µg/L	79.2	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	10/08/2007	10/10/2007	5.0	µg/L	114.	63.3-134
Wichita S.W. NP Pest						
o,o,o-TEP	10/09/2007	10/23/2007	1.0	µg/L	95.9	77.5-105
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	10/04/2007	10/13/2007	0.5	µg/L	92.4	30.0-125
Decachlorobiphenyl(DCB)	10/04/2007	10/13/2007	0.5	µg/L	60.2	8.70-127
Carbamate/Urea Pesticides						
Neburon	10/04/2007	10/12/2007	10	µg/L	79.2	60.2-135

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28649

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	10/19/2007	3IP2292	No data qualifiers present for this analysis.			
Cadmium	10/19/2007	4IP2292	No data qualifiers present for this analysis.			
Diuron	10/12/2007	2LC1285	No data qualifiers present for this analysis.			
Diuron	10/12/2007	3LC1285	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	10/09/2007					
Picloram	10/09/2007	1EX5282	0.945	1.29	µg/ml	137. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100296	1EX5282	Towne East SW-Composite

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. Herbicides	10/10/2007					
Picloram	10/10/2007	2EX5282	1.42	1.85	µg/ml	130. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100296	1EX5282	Towne East SW-Composite

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	10/23/2007					
Trichlorfon	10/23/2007	1EX1295	5.00	5.70	µg/ml	114. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100296	1EX1295	Towne East SW-Composite

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	10/23/2007					
Trichlorfon	10/23/2007	2EX1295	2.50	4.98	µg/ml	199. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100296	1EX1295	Towne East SW-Composite

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. OC Pest	10/12/2007	3EX6285	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	10/13/2007	4EX6285	No data qualifiers present for this analysis.			
Carbaryl, Method 632	10/12/2007	2LC1285	No data qualifiers present for this analysis.			
Carbaryl, Method 632	10/12/2007	3LC1285	No data qualifiers present for this analysis.			
Copper	10/19/2007	3IP2292	No data qualifiers present for this analysis.			
Copper	10/19/2007	4IP2292	No data qualifiers present for this analysis.			
Cyanide, Total	10/12/2007	071012-2	No data qualifiers present for this analysis.			

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28649

Cyanide, Total	10/12/2007	071012-3	No data qualifiers present for this analysis.
Hexane Extractable Material	10/17/2007	071017-1	No data qualifiers present for this analysis.
Hexane Extractable Material	10/17/2007	071017-2	No data qualifiers present for this analysis.
Chloride	10/20/2007	071019-6	No data qualifiers present for this analysis.
Chloride	10/20/2007	071019-7	No data qualifiers present for this analysis.
Silver	10/19/2007	3IP2292	No data qualifiers present for this analysis.
Silver	10/19/2007	4IP2292	No data qualifiers present for this analysis.
Zinc	10/24/2007	10IP2296	No data qualifiers present for this analysis.
Zinc	10/24/2007	9IP2296	No data qualifiers present for this analysis.

Data Qualifiers:

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.
Cooler / Sample Receipt Form

Client Name: City of Wichita **CAS File No.:** S611 **CAS Order No.:** 2844

Sample ID:

Sample ID: See CoC

Cooler 1 **of** _____ **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ (Client's Cooler/Box/Letter/Hand Delivered)
Other: Towne East

Date/Time Cooler Received: 10 / 3 / 07 16 : 35

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Svcs/Mail/Walk-In/Other: _____

Custody Seal: Present: (Intact) / Broken Absent: X Seal No: N/A 10/3/07

Seal Name: N/A Seal Date: N/A

Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/(Ice)/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other: _____

Cooler Temperature (°C): Original Reading (°C) 0.1 Corrected Reading (°C) 0.2

Temp. By: Temp. Blank X Surface _____ Glass/Plastic/Metal/Other: _____

Thermo. ID No.: 554 Thermo. Correction Factor (°C): 0.1

Sample Receipt Discrepancies: ☐ Yes ☒ No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other: _____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: CAS **Date Completed:** 10/3/07

CAS SAMPLE RECEIVING DEPT.

Did CAS inform client of discrepancies? Yes No (N/A) Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form?: (Yes) No Sent Test Assignment Review Sheets?: (Yes) No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

This section reviewed by CAS Project Management: [illegible] **Date Reviewed:** 10/4/07

CAS PROJ. MGMT.

Continental Analytical Services, Inc.

525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CHAIN OF CUSTODY RECORD

Continental Shipping Order Number: 28849

Sales 10/3/07

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number: (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712
Sampler's Name:(Printed) Sampler's Name:(Signature) Jim Hardesty	Purchase Order Number:
File Number: 5611 Project Name: Stormwater - Summer Event	

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	HCL	NaOH	HNO3	H2SO4	NONE	OTHER:	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 8 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
Towne East Stormwater - Grab	WW	N	10-2-7	11:10	G	3		1		2			X	X							5 Gal. Container to be poured off at lab
Towne East Stormwater - Composite	WW	N			C	11			1		1	9			X	X	X	X			as needed for Composite Tests.
																					Remaining volume will be saved for
																					for organics if needed.

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SI=503 Sludge, O=Other

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SI=Sludge, A=Air, OL = Oil/Organic Liquid, O=Other

RELINQUISHED BY: Jim Hardesty	DATE: 10-2-7	TIME: 14:30	RECEIVED BY:	DATE: 10-3-07	TIME: 1405
RELINQUISHED BY:	DATE: 10-3-07	TIME: 1635	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY:	DATE: 10-3-07	TIME: 16:35	SHIPPED VIA: AIRBILL:	SEAL #: SEAL DATE:	

H:\melissa\COC\Wichita COCs.XLS\6/19/2007

Continental Analytical Services, Inc.

10/30/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 10/03/2007
Continental File No.: 5611
Continental Order No.: 28644
P.O./Project No: SW-Summer Event
Project ID: Industry #2-SW

Dear Mr. Hardesty:

This laboratory report, consisting of 11 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07100287	Industry #2	Liquid	10/2/2007

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

The Appendix and Quality Control sections are an integral part of this report and may contain important data qualifiers. The chain of custody and sample receipt form are also included as attachments to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830

KDHE Environmental Laboratory Accreditation No. E-10146

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28644

Lab Number: 07100287
Sample Description: Industry #2

Date Sampled: 10/02/2007
Time Sampled: 1124

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/38
Wichita S.W. Herbicides	QC		
Dicamba	ND(1.0)	µg/L	6231/96
Picloram	ND(1.0)	µg/L	6231/96
MCPP	ND(200)	µg/L	6231/96
2,4-D	ND(1.0)	µg/L	6231/96
Wichita S.W. NP Pest			
Diazinon	ND(0.5)	µg/L	6175/116
Malathion	ND(0.5)	µg/L	6175/116
Prometon	ND(0.5)	µg/L	6175/116
Trichlorfon	ND(5.0) EV	µg/L	6175/116
Wichita S.W. OC Pest			
Hexachlorobenzene	ND(0.5)	µg/L	6239/219
Trifluralin	ND(0.5)	µg/L	6239/219
Carbaryl, Method 632	ND(5.0)	µg/L	6240/38
Cadmium, Total	ND(0.003)	mg/L	6360/52
Copper, Total	0.021	mg/L	6360/52
Hardness (Calculated)	399.	mg/L as CaCO3	6360/43
Silver, Total	ND(0.010)	mg/L	6360/52
Zinc, Total	0.190	mg/L	6378/8
Chloride	138.	mg/L	6374/12
Cyanide, Total	ND(0.02)	mg/L	6327/50
Hexane Extractable Material	ND(5.0)	mg/L	6208/83
Solids, Total Dissolved	690.	mg/L	6246/390
Solids, Total Suspended	53.	mg/L	6246/388

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	10/04/2007	10/12/2007	071004-2	1LC1285	SPA	632(M)
Wichita S.W. Herbicides	10/08/2007	10/09/2007	071008-3	1EX5282	LPL	8151A
Wichita S.W. NP Pest	10/09/2007	10/23/2007	071009-5	1EX1295	LPL	8141A
Wichita S.W. OC Pest	10/04/2007	10/12/2007	071004-1	3EX6285	SPA	8081A
Carbaryl, Method 632	10/04/2007	10/12/2007	071004-2	1LC1285	SPA	632(M)
Cadmium, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7
Copper, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28644

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Hardness (Calculated)	10/09/2007	10/10/2007	071009-6	14IP2282	KMW	200.7 & SM 2340B
Silver, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7
Zinc, Total	10/11/2007	10/29/2007	071011-4	4IP2302	KMW	200.7
Chloride	N/A	10/19/2007	071019-1	071019-2	JAC	300.0
Cyanide, Total	N/A	10/12/2007	071012-1	071012-1	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	10/17/2007	071017-1	071017-1	SRE	1664
Solids, Total Dissolved	N/A	10/09/2007	071009-1	071009-1	SRE	SM 2540C
Solids, Total Suspended	N/A	10/08/2007	071008-1	071008-1	SRE	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07100287

ND(), where noted, indicates none detected with the reporting limit in parentheses.

Continental Analytical Services, Inc.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28644

Not all samples were received at the recommended temperature of less than 6 degrees Celsius. Refer to the attached cooler/sample receipt form(s) for the affected coolers and samples.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

QC - QC data qualifiers were noted. See the Quality Control Report.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

Continental Analytical Services, Inc.

Quality Control Report
Batch Summary

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28644

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	071004-2	071004BLK2	071004LCS2	
Lab numbers associated with this batch: 07100287					
CL328	Wichita S.W. Herbicides	071008-3	071008BLK3	071008LCS3	07100287MS
Lab numbers associated with this batch: 07100287					
CL334	Wichita S.W. NP Pest	071009-5	071009BLK5	071009LCS5	07100289MS
Lab numbers associated with this batch: 07100287					
CL352	Wichita S.W. OC Pest	071004-1	071004BLK1	071004LCS1	
Lab numbers associated with this batch: 07100287					
CL375	Carbaryl, Method 632	071004-2	071004BLK2	071004LCS2	07092409MS
Lab numbers associated with this batch: 07100287					
SL323	Hardness (Calculated)	071009-6	071009BLK6	071009LCS6	07100504MS
Lab numbers associated with this batch: 07100287					
SL306	Cadmium, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL313	Copper, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL353	Silver, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL369	Zinc, Total	071011-4	071011BLK4	071011LCS4	07100292MS
Lab numbers associated with this batch: 07100287					
GL502	Chloride	071019-1	071019BLK1	071019LCS1	07100265MS
Lab numbers associated with this batch: 07100287					
GL158	Cyanide, Total	071012-1	071012BLK1	071012LCS1	07100275MS
Lab numbers associated with this batch: 07100287					
GL188	Hexane Extractable Material	071017-1	071017BLK1	071017LCS1	07100159MS
Lab numbers associated with this batch: 07100287					

Continental Analytical Services, Inc.

Quality Control Report
Batch Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Page: 6
Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28644

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
GL242	Solids, Total Dissolved	071009-1	071009BLK1	071009LCS1	07100287MS
Lab numbers associated with this batch: 07100287					
GL243	Solids, Total Suspended	071008-1	071008BLK1	071008LCS1	
Lab numbers associated with this batch: 07100287					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28644

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071004-1	**For samples prepared on: 10/04/2007**					**Spiked sample:**						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	N/A	#		µg/L			#			**	#
Trifluralin	ND(0.5)	83.4	#	1.3	µg/L			#			**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	45.2 CH	71.2 CH	30.0-125	0.5	µg/L	MN	MN				**	
Decachlorobiphenyl(DCB)	83.0	103.	8.70-127	0.5	µg/L	MN	MN				**	
QC Batch: 071004-2	**For samples prepared on: 10/04/2007**					**Spiked sample:**						
Diuron	ND(5.0)	86.6	#	10.0	µg/L	MN	MN	#			**	#
Surrogates:												
Neburon	83.4	85.0	60.2-135	10.0	µg/L	MN	MN				**	
QC Batch: 071004-2	**For samples prepared on: 10/04/2007**					**Spiked sample: 07092409**						
Carbaryl, Method 632	ND(5.0)	92.0	63.8-119	10.0	µg/L	MN	MN	63.8-123	10.0	µg/L	**	10.8
Surrogates:												
Neburon	83.4	85.0	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 071008-1	**For sample analysed on: 10/08/2007**					**Spiked sample:**						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#			**	24.4
QC Batch: 071008-3	**For samples prepared on: 10/08/2007**					**Spiked sample: 07100287+**						
Wichita S.W. Herbicides												
Dicamba	ND(1.0)	106.	63.0-131	4.0	µg/L	108.	105.	78.5-122	4.0	µg/L	2.8	11.4
Picloram	ND(1.0)	107.	6.40-108	4.0	µg/L	86.9	85.9	10.7-111	4.0	µg/L	1.2	21.5
MCPP	ND(200)	165.	87.2-167	400	µg/L	223. MH	194. MP	60.2-198	400	µg/L	13.9	8.3
2,4-D	ND(1.0)	109.	51.7-139	4.0	µg/L	98.2	99.8	53.5-135	4.0	µg/L	1.6	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	110.	115.	63.3-134	5.0	µg/L	111.	108.	63.3-134	5.0	µg/L		
QC Batch: 071009-1	***For sample analyzed on: 10/09/2007***					**Spiked sample: 07100287+**						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	690. T	690. T	#		mg/L	0.0	5.5
QC Batch: 071009-5	**For samples prepared on: 10/09/2007**					**Spiked sample: 07100289**						
Wichita S.W. NP Pest						MN	MN					
Diazinon	ND(0.5)	91.5	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	ND(0.5)	99.1	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	92.4	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	ND(5.0) EV	0.0 EV	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
o,o,o-TEP	92.3	101.	77.5-105	1.0	µg/L	MN	MN	77.5-105	1.0	µg/L	**	
QC Batch: 071009-6	**For samples prepared on: 10/09/2007**					**Spiked sample: 07100504**						
Hardness (Calculated)	ND(5.0)	110.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 071011-4	**For samples prepared on: 10/11/2007**					**Spiked sample: 07100292**						
Cadmium, Total	ND(0.003)	93.8	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	91.4	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	108	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	ND(0.020)	104	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 071012-1	**For sample analyzed on: 10/12/2007**					**Spiked sample: 07100275**						
Cyanide, Total	ND(0.02)	99.7	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28644

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071017-1	For sample analyzed on: 10/17/2007					Spiked sample: 07100159						
Hexane Extractable Material	ND(1.4)	93.5	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0
QC Batch: 071019-1	For sample analyzed on: 10/19/2007					Spiked sample: 07100265						
Chloride	ND(1.0)	99.5	90.0-110	4.0	mg/L	MN	MN	69.5-127	80.0	mg/L	**	12.8

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

N/A - Not Applicable

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

MH - The matrix spike and/or matrix spike duplicate recovery for this analyte was above the method or laboratory control limit. See LCS data for the basis for acceptance of this sample. The reported sample concentration is estimated.

MP - The MS/MSD recoveries for this analyte exceeded the method or laboratory precision control limit. The reported sample concentration is estimated.

T - MS/MSD cannot be performed for this analyeis. The MS result is the same ae the sample result. The MSD result is a duplicate of the sample.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

- Limits not available.

** - RPD cannot be calculated.

+ - The MS/MSD sample analyses were performed on this sample from this Continental order number.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28644

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07100287		**Sample Description:Industry #2**				
Carbamate/Urea Pesticides						
Neburon	10/04/2007	10/12/2007	10	µg/L	73.1	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	10/08/2007	10/09/2007	5.0	µg/L	107.	63.3-134
Wichita S.W. NP Pest						
o,o,o-TEP	10/09/2007	10/23/2007	1.0	µg/L	93.9	77.5-105
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	10/04/2007	10/12/2007	0.5	µg/L	87.0	30.0-125
Decachlorobiphenyl(DCB)	10/04/2007	10/12/2007	0.5	µg/L	75.8	8.70-127
Carbamate/Urea Pesticides						
Neburon	10/04/2007	10/12/2007	10	µg/L	73.1	60.2-135

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28644

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	10/19/2007	3IP2292	No data qualifiers present for this analysis.			
Cadmium	10/19/2007	4IP2292	No data qualifiers present for this analysis.			
Diuron	10/12/2007	1LC1285	No data qualifiers present for this analysis.			
Diuron	10/12/2007	2LC1285	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	10/09/2007					
Picloram	10/09/2007	1EX5282	0.945	1.29	µg/ml	137. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100287	1EX5282	Industry #2

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. Herbicides	10/10/2007					
Picloram	10/10/2007	2EX5282	1.42	1.85	µg/ml	130. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100287	1EX5282	Industry #2

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	10/23/2007					
Trichlorfon	10/23/2007	1EX1295	5.00	5.70	µg/ml	114. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100287	1EX1295	Industry #2

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	10/23/2007					
Trichlorfon	10/23/2007	2EX1295	2.50	4.98	µg/ml	199. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100287	1EX1295	Industry #2

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. OC Pest	10/12/2007	3EX6285	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	10/13/2007	4EX6285	No data qualifiers present for this analysis.			
Carbaryl, Method 632	10/12/2007	1LC1285	No data qualifiers present for this analysis.			
Carbaryl, Method 632	10/12/2007	2LC1285	No data qualifiers present for this analysis.			
Copper	10/19/2007	3IP2292	No data qualifiers present for this analysis.			
Copper	10/19/2007	4IP2292	No data qualifiers present for this analysis.			
Cyanide, Total	10/12/2007	071012-1	No data qualifiers present for this analysis.			

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28644

Cyanide, Total	10/12/2007	071012-2	No data qualifiers present for this analysis.
Hexane Extractable Material	10/17/2007	071017-1	No data qualifiers present for this analysis.
Hexane Extractable Material	10/17/2007	071017-2	No data qualifiers present for this analysis.
Chloride	10/19/2007	071019-2	No data qualifiers present for this analysis.
Chloride	10/19/2007	071019-3	No data qualifiers present for this analysis.
Silver	10/19/2007	3IP2292	No data qualifiers present for this analysis.
Silver	10/19/2007	4IP2292	No data qualifiers present for this analysis.
Zinc	10/29/2007	4IP2302	No data qualifiers present for this analysis.
Zinc	10/29/2007	5IP2302	No data qualifiers present for this analysis.

Data Qualifiers:
EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.
Cooler / Sample Receipt Form

Client Name: City of Wichita **CAS File No.:** 5611 **CAS Order No.:** 28644

Sample ID:

Sample ID: See COC

Cooler 6 **of** 6 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ /Client's Cooler/Box/Letter/Hand Delivered
Other: _____

Date/Time Cooler Received: 10/3/07 16:35

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Svcs/Mail/Walk-In/Other: _____

Custody Seal: Present/ Intact/ Broken Absent: ___ Seal No: N/A
Seal Name: N/A Seal Date: N/A
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/Ice/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other: _____

Cooler Temperature (°C): Original Reading (°C) 8.4 Corrected Reading (°C) 7.4 - 9.4
Temp. By: Temp. Blank _____ Surface X Glass/Plastic/Metal/Other: _____
Thermo. ID No.: SSS Thermo. Correction Factor (°C): -1.0

Sample Receipt Discrepancies: ☒ Yes ☒ ~~No~~ 10/3/07
[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other: _____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☒ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: [signature] **Date Completed:** 10/3/07

CAS SAMPLE RECEIVING DEPT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: 10/10/07 Informed by: [signature]

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form?: Yes No Sent Test Assignment Review Sheets?: Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

This section reviewed by CAS Project Management: [signature] Date Reviewed: 10/4/07

CAS PROJ. MGMT.

Continental Analytical Services, Inc.

525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CHAIN OF CUSTODY RECORD

Continental ~~Shipping~~ Order Number: 22641
10/3/07

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number: (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712
Sampler's Name:(Printed) Sampler's Name:(Signature) Jim Hardesty	Purchase Order Number:
File Number: 5611 Project Name: Stormwater -Summer Event	

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	Number of Preserved Bottles: HCL	NaOH	HNO3	H2SO4	NONE	OTHER:	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 8 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
~~Towne East Upstream~~ INDUSTRY #2	WW	N	10-2-7	11:24	G	14		1	1	2	1	9	X	X	X	X	X	X			5 Gal. Container to be poured off at lab
																					as needed for required tests.
																					Remaining volume will be saved for
																					for organics if needed.

Discrepancies See C/S RF
MS 10-3-07

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SI=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SI=Sludge, A=Air, OL= Oil/Organic Liquid, O=Other

RELINQUISHED BY: Jim Hardesty	DATE: 10-2-7	TIME: 14:30	RECEIVED BY:	DATE: 10-3-07	TIME: 1405
RELINQUISHED BY:	DATE: 10-3-07	TIME: 1635	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY:	DATE: 10-3-07	TIME: 16:35	SHIPPED VIA: AIRBILL:	SEAL #: SEAL DATE:	

I:\melisa\COC\Wichita COCs.XLS\6/19/2007

Continental Analytical Services, Inc.

10/30/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 10/03/2007
Continental File No.: 5611
Continental Order No.: 28645
P.O./Project No: SW-Summer Event
Project ID: S. Broadway SW

Dear Mr. Hardesty:

This laboratory report, consisting of 16 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07100288	S. Broadway Stormwater-Grab	Liquid	10/2/2007
07100289	S. Broadway Stormwater-Comp.	Liquid	10/2/2007

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

The Appendix and Quality Control sections are an integral part of this report and may contain important data qualifiers. The chain of custody and sample receipt form are also included as attachments to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830

KDHE Environmental Laboratory Accreditation No. E-10146

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Lab Number: 07100288
Sample Description: S. Broadway Stormwater-Grab

Date Sampled: 10/02/2007
Time Sampled: 1152

Analysis	Concentration	Units	Book/Page
GC/MS Priority Pollutant Vol.	QC		
1,1,1-Trichloroethane	ND(5.0)	µg/L	6340/105
1,1,2,2-Tetrachloroethane	ND(5.0)	µg/L	6340/105
1,1,2-Trichloroethane	ND(5.0)	µg/L	6340/105
1,1-Dichloroethane	ND(5.0)	µg/L	6340/105
1,1-Dichloroethylene	ND(5.0)	µg/L	6340/105
1,2-Dichloroethane	ND(5.0)	µg/L	6340/105
1,2-Dichloroethylene (Trans)	ND(5.0)	µg/L	6340/105
1,2-Dichloropropane	ND(5.0)	µg/L	6340/105
1,3-Dichloropropene (Trans)	ND(5.0)	µg/L	6340/105
2-Chloroethylvinyl Ether	ND(5.0) EV	µg/L	6340/105
Acrolein	ND(25) EV	µg/L	6340/105
Acrylonitrile	ND(25)	µg/L	6340/105
Benzene	ND(5.0)	µg/L	6340/105
Bromodichloromethane	ND(5.0)	µg/L	6340/105
Bromoform	ND(5.0)	µg/L	6340/105
Bromomethane	ND(5.0)	µg/L	6340/105
Carbon Tetrachloride	ND(5.0)	µg/L	6340/105
Chlorobenzene	ND(5.0)	µg/L	6340/105
Chloroethane	ND(5.0)	µg/L	6340/105
Chloroform	ND(5.0)	µg/L	6340/105
Chloromethane	ND(5.0)	µg/L	6340/105
Dibromochloromethane	ND(5.0)	µg/L	6340/105
Ethylbenzene	ND(5.0)	µg/L	6340/105
Methylene Chloride	ND(5.0)	µg/L	6340/105
Tetrachloroethylene	ND(5.0)	µg/L	6340/105
Toluene	ND(5.0)	µg/L	6340/105
Trichloroethylene	ND(5.0)	µg/L	6340/105
Vinyl Chloride	ND(2.0)	µg/L	6340/105
1,2-Dichloroethylene (Cis)	ND(5.0)	µg/L	6340/105
1,3-Dichloropropene (Cis)	ND(5.0)	µg/L	6340/105
1,2-Dichlorobenzene	ND(5.0)	µg/L	6340/105
1,3-Dichlorobenzene	ND(5.0)	µg/L	6340/105
1,4-Dichlorobenzene	ND(5.0)	µg/L	6340/105
Priority Pol. Extractables			
1,2,4-Trichlorobenzene	ND(5.0)	µg/L	6366/28
1,2-Diphenylhydrazine	ND(5.0)	µg/L	6366/28
2,4,6-Trichlorophenol	ND(5.0)	µg/L	6366/28
2,4-Dichlorophenol	ND(5.0)	µg/L	6366/28
2,4- and 2,5-Dimethylphenol	ND(10)	µg/L	6366/28
2,4-Dinitrophenol	ND(25)	µg/L	6366/28
2,4-Dinitrotoluene	ND(5.0)	µg/L	6366/28

-Continued-

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Lab Number: 07100288
Sample Description: S. Broadway Stormwater-Grab

Date Sampled: 10/02/2007
Time Sampled: 1152

Analysis	Concentration	Units	Book/Page
2,6-Dinitrotoluene	ND(5.0)	µg/L	6366/28
2-Chloronaphthalene	ND(5.0)	µg/L	6366/28
2-Chlorophenol	ND(5.0)	µg/L	6366/28
2-Nitrophenol	ND(5.0)	µg/L	6366/28
Dichlorobenzidine 3,3'	ND(10) EV	µg/L	6366/28
4,6-Dinitro-o-Cresol	ND(25)	µg/L	6366/28
4-Bromophenyl Phenyl Ether	ND(5.0)	µg/L	6366/28
4-Chlorophenyl Phenyl Ether	ND(5.0)	µg/L	6366/28
4-Nitrophenol	ND(20)	µg/L	6366/28
Acenaphthene	ND(5.0)	µg/L	6366/28
Acenaphthylene	ND(5.0)	µg/L	6366/28
Anthracene	ND(5.0)	µg/L	6366/28
Benzidine	ND(50) EV	µg/L	6366/28
Benzo(a)anthracene	ND(5.0)	µg/L	6366/28
Benzo(a)pyrene	ND(5.0)	µg/L	6366/28
Benzo(b)+(j)fluoranthene	ND(5.0)	µg/L	6366/28
Benzo(ghi)perylene	ND(5.0)	µg/L	6366/28
Benzo(k)fluoranthene	ND(5.0)	µg/L	6366/28
Bis(2-Chloroethoxy)methane	ND(5.0)	µg/L	6366/28
Bis(2-Chloroethyl)ether	ND(5.0)	µg/L	6366/28
Bis(2-Chloroisopropyl)ether	ND(5.0)	µg/L	6366/28
Bis(2-Ethylhexyl)phthalate	8.0 B	µg/L	6366/28
Butyl Benzyl Phthalate	ND(5.0)	µg/L	6366/28
Chrysene	ND(5.0)	µg/L	6366/28
Di-n-Butylphthalate	ND(5.0)	µg/L	6366/28
Di-n-Octylphthalate	5.5 B	µg/L	6366/28
Dibenz(a,h)anthracene	ND(5.0)	µg/L	6366/28
Diethylphthalate	ND(5.0)	µg/L	6366/28
Dimethylphthalate	ND(5.0)	µg/L	6366/28
Fluoranthene	ND(5.0)	µg/L	6366/28
Fluorene	ND(5.0)	µg/L	6366/28
Hexachlorobenzene	ND(5.0)	µg/L	6366/28
Hexachlorobutadiene	ND(5.0)	µg/L	6366/28
Hexachlorocyclopentadiene	ND(5.0)	µg/L	6366/28
Hexachloroethane	ND(5.0)	µg/L	6366/28
Indeno(1,2,3-cd)pyrene	ND(5.0)	µg/L	6366/28
Isophorone	ND(5.0)	µg/L	6366/28
n-Nitrosodi-n-Propylamine	ND(5.0)	µg/L	6366/28
n-Nitrosodimethylamine	ND(10)	µg/L	6366/28
n-Nitrosodiphenylamine	ND(5.0)	µg/L	6366/28
Naphthalene	ND(5.0)	µg/L	6366/28
Nitrobenzene	ND(5.0)	µg/L	6366/28

-Continued-

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Lab Number: 07100288
Sample Description: S. Broadway Stormwater-Grab

Date Sampled: 10/02/2007
Time Sampled: 1152

Analysis	Concentration	Units	Book/Page
p-Chloro-m-Cresol	ND(5.0)	µg/L	6366/28
Pentachlorophenol	ND(15)	µg/L	6366/28
Phenanthrene	ND(5.0)	µg/L	6366/28
Phenol	ND(5.0)	µg/L	6366/28
Pyrene	ND(5.0)	µg/L	6366/28
Cyanide, Total	ND(0.02)	mg/L	6327/50
Hexane Extractable Material	6.9	mg/L	6208/84

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
GC/MS Priority Pollutan	N/A	10/08/2007	1MS9281	1MS9281	GMA	624
Priority Pol. Extractab	10/09/2007	10/11/2007	071009-1	1MS6284	BLP	625
Cyanide, Total	N/A	10/12/2007	071012-1	071012-1	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	10/17/2007	071017-1	071017-1	SRE	1664
Base Neutral/Acid Preparation Method						625/3510C

Conclusion of Lab Number: 07100288

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Lab Number: 07100289
Sample Description: S. Broadway Stormwater-Comp.

Date Sampled: 10/02/2007
Time Sampled: 1152

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/38
Wichita S.W. Herbicides	QC		
Dicamba	ND(1.0)	µg/L	6231/96
Picloram	ND(1.0)	µg/L	6231/96
MCPP	ND(200)	µg/L	6231/96
2,4-D	ND(1.0)	µg/L	6231/96
Wichita S.W. NP Pest	QC		
Diazinon	ND(0.5)	µg/L	6175/116
Malathion	ND(0.5)	µg/L	6175/116
Prometon	ND(0.5)	µg/L	6175/116
Trichlorfon	ND(5.0) EV	µg/L	6175/116
Wichita S.W. OC Pest			
Hexachlorobenzene	ND(0.5)	µg/L	6239/219
Trifluralin	ND(0.5)	µg/L	6239/219
Carbaryl, Method 632	ND(5.0)	µg/L	6240/38
Cadmium, Total	ND(0.003)	mg/L	6360/52
Copper, Total	ND(0.020)	mg/L	6360/52
Hardness (Calculated)	32.4	mg/L as CaCO3	6360/43
Silver, Total	ND(0.010)	mg/L	6360/52
Zinc, Total	0.089	mg/L	6378/8
Chloride	5.1	mg/L	6374/12
Solids, Total Dissolved	58.	mg/L	6246/390
Solids, Total Suspended	17.	mg/L	6246/388

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	10/04/2007	10/12/2007	071004-2	2LC1285	SPA	632(M)
Wichita S.W. Herbicides	10/08/2007	10/10/2007	071008-3	1EX5282	LPL	8151A
Wichita S.W. NP Pest	10/09/2007	10/23/2007	071009-5	1EX1295	LPL	8141A
Wichita S.W. OC Pest	10/04/2007	10/12/2007	071004-1	3EX6285	SPA	8081A
Carbaryl, Method 632	10/04/2007	10/12/2007	071004-2	2LC1285	SPA	632(M)
Cadmium, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7
Copper, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7
Hardness (Calculated)	10/09/2007	10/10/2007	071009-6	14IP2282	KMW	200.7 & SM 2340B
Silver, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Zinc, Total	10/11/2007	10/29/2007	071011-4	4IP2302	KMW	200.7
Chloride	N/A	10/19/2007	071019-1	071019-2	JAC	300.0
Solids, Total Dissolved	N/A	10/09/2007	071009-1	071009-1	SRE	SM 2540C
Solids, Total Suspended	N/A	10/08/2007	071008-1	071008-1	SRE	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07100289

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

QC - QC data qualifiers were noted. See the Quality Control Report.

B - Analyte is also present in the method blank or load blank at the concentration indicated to the right of the letter B or in the enclosed Quality Control Report. The reported sample concentration has not been blank corrected.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

Continental Analytical Services, Inc.

Quality Control Report
Batch Summary

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	071004-2	071004BLK2	071004LCS2	
Lab numbers associated with this batch: 07100289					
CL328	Wichita S.W. Herbicides	071008-3	071008BLK3	071008LCS3	07100287MS
Lab numbers associated with this batch: 07100289					
CL334	Wichita S.W. NP Pest	071009-5	071009BLK5	071009LCS5	07100289MS
Lab numbers associated with this batch: 07100289					
CL352	Wichita S.W. OC Pest	071004-1	071004BLK1	071004LCS1	
Lab numbers associated with this batch: 07100289					
CL375	Carbaryl, Method 632	071004-2	071004BLK2	071004LCS2	07092409MS
Lab numbers associated with this batch: 07100289					
MS100	GC/MS Priority Pollutant Vol.	1MS9281	BLK1MS9281	LCS1MS9281	
Lab numbers associated with this batch: 07100288					
MS112	Priority Pol. Extractables	071009-1	071009BLK1	071009LCS1	07100272MS
Lab numbers associated with this batch: 07100288					
SL323	Hardness (Calculated)	071009-6	071009BLK6	071009LCS6	07100504MS
Lab numbers associated with this batch: 07100289					
SL306	Cadmium, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL313	Copper, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL353	Silver, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL369	Zinc, Total	071011-4	071011BLK4	071011LCS4	07100292MS
Lab numbers associated with this batch: 07100289					
GL502	Chloride	071019-1	071019BLK1	071019LCS1	07100265MS
Lab numbers associated with this batch: 07100289					

Continental Analytical Services, Inc.

Quality Control Report
Batch Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
GL158	Cyanide, Total	071012-1	071012BLK1	071012LCS1	07100275MS
Lab numbers associated with this batch: 07100288					
GL188	Hexane Extractable Material	071017-1	071017BLK1	071017LCS1	07100159MS
Lab numbers associated with this batch: 07100288					
GL242	Solids, Total Dissolved	071009-1	071009BLK1	071009LCS1	07100287MS
Lab numbers associated with this batch: 07100289					
GL243	Solids, Total Suspended	071008-1	071008BLK1	071008LCS1	
Lab numbers associated with this batch: 07100289					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071004-1	**For samples prepared on: 10/04/2007**					**Spiked sample:**						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	N/A	#		µg/L			#			**	#
Trifluralin	ND(0.5)	83.4	#	1.3	µg/L			#			**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	45.2 CH	71.2 CH	30.0-125	0.5	µg/L	MN	MN				**	
Decachlorobiphenyl(DCB)	83.0	103.	8.70-127	0.5	µg/L	MN	MN				**	
QC Batch: 071004-2	**For samples prepared on: 10/04/2007**					**Spiked sample:**						
Diuron	ND(5.0)	86.6	#	10.0	µg/L	MN	MN	#			**	#
Surrogates:												
Neburon	83.4	85.0	60.2-135	10.0	µg/L	MN	MN				**	
QC Batch: 071004-2	**For samples prepared on: 10/04/2007**					**Spiked sample: 07092409**						
Carbaryl, Method 632	ND(5.0)	92.0	63.8-119	10.0	µg/L	MN	MN	63.8-123	10.0	µg/L	**	10.8
Surrogates:												
Neburon	83.4	85.0	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 071008-1	**For sample analyzed on: 10/08/2007**					**Spiked sample:**						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#			**	24.4
QC Batch: 071008-3	**For samples prepared on: 10/08/2007**					**Spiked sample: 07100287**						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	106.	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	107.	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	165.	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	109.	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	110.	115.	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 071009-1	**For samples prepared on: 10/09/2007**					**Spiked sample: 07100272**						
Priority Pol. Extractables						MN	MN					
1,2,4-Trichlorobenzene	ND(5.0)	67.9	55.0-108	25.0	µg/L			57.9-104	25.0	µg/L	**	13.8
1,2-Diphenylhydrazine	ND(5.0)	94.9	59.6-135	25.0	µg/L			49.6-141	25.0	µg/L	**	19.5
2,4,6-Trichlorophenol	ND(5.0)	104.	72.7-109	50.0	µg/L			71.5-113	50.0	µg/L	**	14.3
2,4-Dichlorophenol	ND(5.0)	98.3	69.5-105	50.0	µg/L			68.7-105	50.0	µg/L	**	12.5
2,4- and 2,5-Dimethylphenol	ND(10)	62.2	16.7-109	50.0	µg/L			0.1-146	50.0	µg/L	**	37.9
2,4-Dinitrophenol	ND(25)	108.	30.8-121	50.0	µg/L			17.7-164	50.0	µg/L	**	28.6
2,4-Dinitrotoluene	ND(5.0)	102.	69.0-118	25.0	µg/L			64.7-128	25.0	µg/L	**	14.9
2,6-Dinitrotoluene	ND(5.0)	102.	59.3-121	25.0	µg/L			63.0-122	25.0	µg/L	**	10.1
2-Chloronaphthalene	ND(5.0)	84.4	66.4-106	25.0	µg/L			66.6-106	25.0	µg/L	**	14.2
2-Chlorophenol	ND(5.0)	91.3	62.3-99.5	50.0	µg/L			58.0-102	50.0	µg/L	**	16.5
2-Nitrophenol	ND(5.0)	102.	66.0-112	50.0	µg/L			63.6-118	50.0	µg/L	**	14.5
Dichlorobenzidine 3,3'	ND(10) EV	93.6 EV	0.1-130	25.0	µg/L			0.1-105	25.0	µg/L	**	90.8
4,6-Dinitro-o-Cresol	ND(25)	105.	64.3-110	50.0	µg/L			64.5-118	50.0	µg/L	**	17.8
4-Bromophenyl Phenyl Ether	ND(5.0)	97.8	66.0-126	25.0	µg/L			73.0-115	25.0	µg/L	**	15.3
4-Chlorophenyl Phenyl Ether	ND(5.0)	94.2	69.6-110	25.0	µg/L			71.5-110	25.0	µg/L	**	13.1
4-Nitrophenol	ND(20)	45.4	19.1-54.5	50.0	µg/L			11.9-76.1	50.0	µg/L	**	36.9
Acenaphthene	ND(5.0)	91.0	70.3-112	25.0	µg/L			69.3-115	25.0	µg/L	**	12.4
Acenaphthylene	ND(5.0)	94.4	69.5-104	25.0	µg/L			59.8-113	25.0	µg/L	**	15.6
Anthracene	ND(5.0)	99.1	68.7-117	25.0	µg/L			67.3-115	25.0	µg/L	**	12.9
Benzidine	ND(50) EV	0.0 EV	0.1-27.4	25.0	µg/L			#	25.0	µg/L	**	#
Benzo(a)anthracene	ND(5.0)	102.	72.8-120	25.0	µg/L			72.0-112	25.0	µg/L	**	10.9

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071009-1	For samples prepared on: 10/09/2007					Spiked sample: 07100272						
Benzo(a)pyrene	ND(5.0)	96.1	78.6-97.2	25.0	µg/L			60.5-107	25.0	µg/L	**	14.8
Benzo(b)+(j)fluoranthene	ND(5.0)	94.7	73.1-116	25.0	µg/L			69.2-108	25.0	µg/L	**	16.6
Benzo(ghi)perylene	ND(5.0)	101.	62.0-114	25.0	µg/L			55.5-111	25.0	µg/L	**	22.8
Benzo(k)fluoranthene	ND(5.0)	94.0	70.8-125	25.0	µg/L			57.7-129	25.0	µg/L	**	19.1
Bis(2-Chloroethoxy)methane	ND(5.0)	95.0	62.5-120	25.0	µg/L			70.4-112	25.0	µg/L	**	13.6
Bis(2-Chloroethyl)ether	ND(5.0)	94.0	55.1-121	25.0	µg/L			67.0-111	25.0	µg/L	**	17.4
Bis(2-Chloroisopropyl)ether	ND(5.0)	86.6	24.8-134	25.0	µg/L			40.7-124	25.0	µg/L	**	15.0
Bis(2-Ethylhexyl)phthalate	4.4 J	130.	52.9-141	25.0	µg/L			54.4-142	25.0	µg/L	**	29.4
Butyl Benzyl Phthalate	ND(5.0)	103.	58.8-128	25.0	µg/L			66.3-127	25.0	µg/L	**	15.2
Chrysene	ND(5.0)	99.8	77.4-124	25.0	µg/L			75.9-119	25.0	µg/L	**	11.6
Di-n-Butylphthalate	ND(5.0)	105.	60.7-127	25.0	µg/L			59.4-122	25.0	µg/L	**	17.2
Di-n-Octylphthalate	3.4 J	109.	54.4-130	25.0	µg/L			50.1-135	25.0	µg/L	**	22.3
Dibenz(a,h)anthracene	ND(5.0)	99.6	58.1-120	25.0	µg/L			49.3-117	25.0	µg/L	**	25.6
Diethylphthalate	ND(5.0)	99.0	69.0-119	25.0	µg/L			71.2-119	25.0	µg/L	**	14.1
Dimethylphthalate	ND(5.0)	98.1	77.2-113	25.0	µg/L			82.9-109	25.0	µg/L	**	5.7
Fluoranthene	ND(5.0)	105.	53.6-123	25.0	µg/L			48.3-125	25.0	µg/L	**	14.9
Fluorene	ND(5.0)	96.8	72.2-113	25.0	µg/L			71.4-118	25.0	µg/L	**	13.2
Hexachlorobenzene	ND(5.0)	100.	69.2-122	25.0	µg/L			68.2-116	25.0	µg/L	**	12.3
Hexachlorobutadiene	ND(5.0)	60.6	51.0-107	25.0	µg/L			51.4-109	25.0	µg/L	**	16.6
Hexachlorocyclopentadiene	ND(5.0)	64.2	7.70-92.3	25.0	µg/L			20.3-97.7	25.0	µg/L	**	21.2
Hexachloroethane	ND(5.0)	56.7	47.5-99.7	25.0	µg/L			45.4-105	25.0	µg/L	**	25.4
Indeno(1,2,3-cd)pyrene	ND(5.0)	102.	56.2-124	25.0	µg/L			55.1-114	25.0	µg/L	**	18.7
Isophorone	ND(5.0)	95.3	69.2-116	25.0	µg/L			78.9-107	25.0	µg/L	**	11.6
n-Nitrosodi-n-Propylamine	ND(5.0)	99.5	50.6-138	25.0	µg/L			55.9-130	25.0	µg/L	**	18.4
n-Nitrosodimethylamine	ND(10)	50.6	30.0-72.0	25.0	µg/L			37.7-74.9	25.0	µg/L	**	16.7
n-Nitrosodiphenylamine	ND(5.0)	98.9	71.0-126	25.0	µg/L			57.8-125	25.0	µg/L	**	19.2
Naphthalene	ND(5.0)	80.4	63.3-111	25.0	µg/L			59.8-115	25.0	µg/L	**	13.9
Nitrobenzene	ND(5.0)	91.7	54.5-122	25.0	µg/L			53.5-137	25.0	µg/L	**	13.5
p-Chloro-m-Cresol	ND(5.0)	98.0	69.5-106	50.0	µg/L			69.8-105	50.0	µg/L	**	19.7
Pentachlorophenol	ND(15)	101.	58.2-115	50.0	µg/L			60.2-125	50.0	µg/L	**	15.9
Phenanthrene	ND(5.0)	92.6	70.8-121	25.0	µg/L			72.3-121	25.0	µg/L	**	12.3
Phenol	ND(5.0)	36.3	24.5-44.3	50.0	µg/L			21.0-45.0	50.0	µg/L	**	30.5
Pyrene	ND(5.0)	91.0	61.7-130	25.0	µg/L			57.6-154	25.0	µg/L	**	16.6
Surrogates:												
Nitrobenzene-d5	91.9	93.6	66.4-106	100	µg/L	MN	MN	66.4-106	100	µg/L	**	
2-Fluorobiphenyl	63.3	67.9	53.7-104	100	µg/L	MN	MN	53.7-104	100	µg/L	**	
Terphenyl-d14	101.	97.5	45.5-133	100	µg/L	MN	MN	45.5-133	100	µg/L	**	
Phenol-d6	37.5	37.4	21.8-44.0	150	µg/L	MN	MN	21.8-44.0	150	µg/L	**	
2-Fluorophenol	54.9	53.3	32.0-61.4	150	µg/L	MN	MN	32.0-61.4	150	µg/L	**	
2,4,6-Tribromophenol	107.	112.	62.4-120	150	µg/L	MN	MN	62.4-120	150	µg/L	**	
QC Batch: 071009-1	For sample analyzed on: 10/09/2007					Spiked sample: 07100287						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#		mg/L	**	5.5
QC Batch: 071009-5	For samples prepared on: 10/09/2007					Spiked sample: 07100289+						
Wichita S.W. NP Pest												
Diazinon	ND(0.5)	91.5	79.4-114	1.0	µg/L	118. EC	118. EC	79.8-119	1.0	µg/L	0.0	11.9
Malathion	ND(0.5)	99.1	82.1-111	1.0	µg/L	108.	107.	72.7-118	1.0	µg/L	0.9	15.3
Prometon	ND(0.5)	92.4	67.8-125	1.0	µg/L	95.6	94.2	#	1.0	µg/L	1.5	#
Trichlorfon	ND(5.0) EV	0.0 EV	0.1-55.1	5.0	µg/L	24.5 EV	21.3 EV	#	5.0	µg/L	14.0	#
Surrogates:												
o,o,o-TEP	92.3	101.	77.5-105	1.0	µg/L	100.	97.9	77.5-105	1.0	µg/L		

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071009-6	For samples prepared on: 10/09/2007					Spiked sample: 07100504						
Hardness (Calculated)	ND(5.0)	110.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 071011-4	For samples prepared on: 10/11/2007					Spiked sample: 07100292						
Cadmium, Total	ND(0.003)	93.8	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	91.4	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	108	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	ND(0.020)	104	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 071012-1	For sample analyzed on: 10/12/2007					Spiked sample: 07100275						
Cyanide, Total	ND(0.02)	99.7	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3
QC Batch: 071017-1	For sample analyzed on: 10/17/2007					Spiked sample: 07100159						
Hexane Extractable Material	ND(1.4)	93.5	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0
QC Batch: 071019-1	For sample analyzed on: 10/19/2007					Spiked sample: 07100265						
Chloride	ND(1.0)	99.5	90.0-110	4.0	mg/L	MN	MN	69.5-127	80.0	mg/L	**	12.8
QC Batch: 1MS9281	For sample analyzed on: 10/08/2007					Spiked sample:						
GC/MS Priority Pollutant Vol.						MN	MN					
1,1,1-Trichloroethane	ND(5.0)	109.	77.4-121	10.0	µg/L			77.6-130			**	9.2
1,1,2,2-Tetrachloroethane	ND(5.0)	110.	72.5-114	10.0	µg/L			73.2-124			**	11.8
1,1,2-Trichloroethane	ND(5.0)	107.	80.6-114	10.0	µg/L			81.3-118			**	10.7
1,1-Dichloroethane	ND(5.0)	108.	78.8-117	10.0	µg/L			82.7-123			**	8.7
1,1-Dichloroethylene	ND(5.0)	118.	74.7-123	10.0	µg/L			77.8-126			**	10.8
1,2-Dichloroethane	ND(5.0)	108.	72.7-123	10.0	µg/L			74.5-136			**	10.6
1,2-Dichloroethylene (Trans	ND(5.0)	104.	79.9-118	10.0	µg/L			80.1-124			**	9.4
1,2-Dichloropropane	ND(5.0)	108.	74.4-109	10.0	µg/L			74.7-117			**	7.9
1,3-Dichloropropene (Trans)	ND(5.0)	94.2	75.2-112	10.0	µg/L			75.9-108			**	7.4
2-Chloroethylvinyl Ether	ND(5.0) EV	95.3 EV	0.1-155	20.0	µg/L			0.1-2.50			**	34.6
Acrolein	ND(25) EV	100. EV	29.6-139	20.0	µg/L			0.1-223			**	60.1
Acrylonitrile	ND(25)	94.9	60.1-115	20.0	µg/L			51.6-145			**	24.1
Benzene	ND(5.0)	109.	76.2-116	10.0	µg/L			76.3-126			**	9.9
Bromodichloromethane	ND(5.0)	110.	77.4-110	10.0	µg/L			78.9-119			**	7.5
Bromoform	ND(5.0)	92.8	70.3-121	10.0	µg/L			67.4-129			**	12.6
Bromomethane	ND(5.0)	104.	64.3-130	10.0	µg/L			49.0-146			**	16.5
Carbon Tetrachloride	ND(5.0)	110.	77.6-123	10.0	µg/L			75.5-132			**	9.2
Chlorobenzene	ND(5.0)	112.	86.5-120	10.0	µg/L			87.7-119			**	6.3
Chloroethane	ND(5.0)	129. LH	76.2-124	10.0	µg/L			76.8-130			**	12.9
Chloroform	ND(5.0)	113.	81.3-116	10.0	µg/L			81.4-125			**	9.1
Chloromethane	ND(5.0)	133.	70.2-133	10.0	µg/L			74.0-133			**	13.2
Dibromochloromethane	ND(5.0)	100.	78.7-114	10.0	µg/L			75.5-124			**	8.4
Ethylbenzene	ND(5.0)	115.	84.3-120	10.0	µg/L			84.5-121			**	8.1
Methylene Chloride	ND(5.0)	107.	76.6-116	10.0	µg/L			76.8-127			**	9.6
Tetrachloroethylene	ND(5.0)	101.	85.4-129	10.0	µg/L			87.1-124			**	9.4
Toluene	ND(5.0)	114.	86.4-117	10.0	µg/L			85.1-120			**	8.3
Trichloroethylene	ND(5.0)	105.	80.4-110	10.0	µg/L			80.3-118			**	7.8
Vinyl Chloride	ND(2.0)	129. LH	73.4-128	10.0	µg/L			73.6-130			**	11.3
1,2-Dichloroethylene (Cis)	ND(5.0)	103.	80.1-108	10.0	µg/L			81.7-116			**	8.9
1,3-Dichloropropene (Cis)	ND(5.0)	100.	71.5-105	10.0	µg/L			67.0-107			**	9.2
1,2-Dichlorobenzene	ND(5.0)	109.	89.9-111	10.0	µg/L			91.7-112			**	5.4
1,3-Dichlorobenzene	ND(5.0)	111.	88.3-115	10.0	µg/L			89.2-116			**	5.5
1,4-Dichlorobenzene	ND(5.0)	108.	89.4-115	10.0	µg/L			90.8-113			**	6.5

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 1MS9281	For sample analyzed on: 10/08/2007					Spiked sample:						
Surrogates:												
1,2-Dichloroethane-d4	106.	103.	79.2-133	10.0	µg/L	MN	MN				**	
Toluene-d8	102.	106.	84.9-111	10.0	µg/L	MN	MN				**	
4-BFB(MS)	96.3	101.	74.4-115	10.0	µg/L	MN	MN				**	

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

N/A - Not Applicable

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

J - The concentration or non-detect (ND) is an estimated value below the reporting limit but above the MDL. A detectable result has not been verified qualitatively.

EC - This result is estimated due to insufficient chromatographic resolution from other compounds.

LH - The Laboratory Control Sample (LCS) recovery for this analyte was above the method or laboratory quality control limit. The reported sample concentration may be biased high.

- Limits not available.

** - RPD cannot be calculated.

> - This analyte is designated as a representative spike compound for this analysis. Recoveries for any additional analytes are provided for information only.

+ - The MS/MSD sample analyses were performed on this sample from this Continental order number.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07100288		**Sample Description:S. Broadway Stormwater-Grab**				
GC/MS Priority Pollutant Vol.						
1,2-Dichloroethane-d4	N/A	10/08/2007	10	µg/L	107.	79.2-133
Toluene-d8	N/A	10/08/2007	10	µg/L	101.	84.9-111
4-BFB(MS)	N/A	10/08/2007	10	µg/L	96.5	74.4-115
Priority Pol. Extractables						
Nitrobenzene-d5	10/09/2007	10/11/2007	100	µg/L	89.4	66.4-106
2-Fluorobiphenyl	10/09/2007	10/11/2007	100	µg/L	77.1	53.7-104
Terphenyl-d14	10/09/2007	10/11/2007	100	µg/L	115.	45.5-133
Phenol-d6	10/09/2007	10/11/2007	150	µg/L	33.6	21.8-44.0
2-Fluorophenol	10/09/2007	10/11/2007	150	µg/L	48.8	32.0-61.4
2,4,6-Tribromophenol	10/09/2007	10/11/2007	150	µg/L	120.	62.4-120
Lab Number: 07100289		**Sample Description:S. Broadway Stormwater-Comp.**				
Carbamate/Urea Pesticides						
Neburon	10/04/2007	10/12/2007	10	µg/L	74.1	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	10/08/2007	10/10/2007	5.0	µg/L	115.	63.3-134
Wichita S.W. NP Pest						
o,o,o-TEP	10/09/2007	10/23/2007	1.0	µg/L	94.3	77.5-105
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	10/04/2007	10/12/2007	0.5	µg/L	85.8	30.0-125
Decachlorobiphenyl(DCB)	10/04/2007	10/12/2007	0.5	µg/L	41.2	8.70-127
Carbamate/Urea Pesticides						
Neburon	10/04/2007	10/12/2007	10	µg/L	74.1	60.2-135

Quality Control Report
Continuing Calibration Verification Data Summary

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2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28645

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	10/19/2007	3IP2292	No data qualifiers present for this analysis.			
Cadmium	10/19/2007	4IP2292	No data qualifiers present for this analysis.			
Diuron	10/12/2007	2LC1285	No data qualifiers present for this analysis.			
Diuron	10/12/2007	3LC1285	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	10/09/2007					
Picloram	10/09/2007	1EX5282	0.945	1.29	µg/ml	137. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100289	1EX5282	S. Broadway Stormwater-Comp.

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. Herbicides	10/10/2007					
Picloram	10/10/2007	2EX5282	1.42	1.85	µg/ml	130. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100289	1EX5282	S. Broadway Stormwater-Comp.

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	10/23/2007					
Trichlorfon	10/23/2007	1EX1295	5.00	5.70	µg/ml	114. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100289	1EX1295	S. Broadway Stormwater-Comp.

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	10/23/2007					
Trichlorfon	10/23/2007	2EX1295	2.50	4.98	µg/ml	199. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100289	1EX1295	S. Broadway Stormwater-Comp.

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. OC Pest	10/12/2007	3EX6285	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	10/13/2007	4EX6285	No data qualifiers present for this analysis.			
Carbaryl, Method 632	10/12/2007	2LC1285	No data qualifiers present for this analysis.			
Carbaryl, Method 632	10/12/2007	3LC1285	No data qualifiers present for this analysis.			
Copper	10/19/2007	3IP2292	No data qualifiers present for this analysis.			
Copper	10/19/2007	4IP2292	No data qualifiers present for this analysis.			
Cyanide, Total	10/12/2007	071012-1	No data qualifiers present for this analysis.			

Quality Control Report
Continuing Calibration Verification Data Summary

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Cyanide, Total	10/12/2007	071012-2	No data qualifiers present for this analysis.			
Hexane Extractable Material	10/17/2007	071017-1	No data qualifiers present for this analysis.			
Hexane Extractable Material	10/17/2007	071017-2	No data qualifiers present for this analysis.			
Chloride	10/19/2007	071019-2	No data qualifiers present for this analysis.			
Chloride	10/19/2007	071019-3	No data qualifiers present for this analysis.			
GC/MS Priority Pollutant Vol.	10/08/2007					
2-Chloroethylvinyl Ether	10/08/2007	1MS9281	20.0	19.1	µg/L	95.3 EV
Acrolein	10/08/2007	1MS9281	20.0	20.0	µg/L	100. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100288	1MS9281	S. Broadway Stormwater-Grab

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Priority Pol. Extractables	10/11/2007					
Dichlorobenzidine 3,3'	10/11/2007	1MS6284	75.0	66.1	µg/ml	88.1 EV
Benzidine	10/11/2007	1MS6284	75.0	7.43	µg/ml	9.9 EV
Hexachlorocyclopentadiene	10/11/2007	1MS6284	75.0	91.5	µg/ml	122. CH IV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100288	1MS6284	S. Broadway Stormwater-Grab

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Silver	10/19/2007	3IP2292	No data qualifiers present for this analysis.			
Silver	10/19/2007	4IP2292	No data qualifiers present for this analysis.			
Zinc	10/29/2007	4IP2302	No data qualifiers present for this analysis.			
Zinc	10/29/2007	5IP2302	No data qualifiers present for this analysis.			

Data Qualifiers:

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

IV - The initial calibration verification (ICV) standard for this analyte was above the method or SOP limit. The reported sample concentration is estimated.

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.

525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CHAIN OF CUSTODY RECORD

Continental ~~Shipping~~ Order Number: 28648

10/3/07

Client/Reporting Information			Invoice Information		
Company Name: City of Wichita Sewage Treatment			Company Name: City of Wichita Sewage Treatment		
Address: 2305 E. 57th Street South			Address: 2305 E. 57th Street South		
City: Wichita	State: KS	Zip: 67216	City: Wichita	State: KS	Zip: 67216
Contact: Jim Hardesty	E-mail:		Contact: Jim Hardesty	E-mail:	
Phone Number: (316)303-8700	Fax Number: (316)303-8712		Phone Number: (316)303-8700	Fax Number: (316)303-8712	
Sampler's Name:(Printed)	Sampler's Name:(Signature) Jim Hardesty		Purchase Order Number:		
File Number: 5611	Project Name: Stormwater - Summer Event				

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	Number of Preserved Bottles: HCL	NaOH	HNO3	H2SO4	NONE	OTHER:	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 8 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None	Semivolatiles 2 - 1000ml Amber Glass - S/R	Volatiles 3 - 40ml VOC - HCL	COMMENTS
S. Broadway Stormwater - Grab	WW	N	10-2-7	11:52	G	8	3	1		2	2		X	X					X	X	5 Gal. Container to be poured off at lab
S. Broadway Stormwater - Composite	WW	N			C	11			1		1	9			X	X	X	X			as needed for Composite Tests.
																					Remaining volume will be saved for
																					for organics if needed.

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SI=503 Sludge, O=Other

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SI=Sludge, A=Air, OL= Oil/Organic Liquid, O=Other

RELINQUISHED BY: Jim Hardesty	DATE: 10-2-7	TIME: 14:30	RECEIVED BY:	DATE: 10-3-07	TIME: 1405
RELINQUISHED BY:	DATE: 10-3-07	TIME: 1635	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY:	DATE: 10-3-07	TIME: 16:35	SHIPPED VIA: / AIRBILL:	SEAL #: / SEAL DATE:	

I:\melissa\COC\Wichita COCs.XLS\6/19/2007

Continental
Analytical Services, Inc.

10/30/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 10/03/2007
Continental File No.: 5611
Continental Order No.: 28648
P.O./Project No: SW-Summer Event
Project ID: Huntington SW

Dear Mr. Hardesty:

This laboratory report, consisting of 12 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07100293	Huntington Stormwater-Grab	Liquid	10/2/2007
07100294	Huntington Stormwater-Comp.	Liquid	10/2/2007

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

The Appendix and Quality Control sections are an integral part of this report and may contain important data qualifiers. The chain of custody and sample receipt form are also included as attachments to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830

KDHE Environmental Laboratory Accreditation No. E-10146

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28648

Lab Number: 07100293
Sample Description: Huntington Stormwater-Grab

Date Sampled: 10/02/2007
Time Sampled: 1043

Analysis	Concentration	Units	Book/Page
Cyanide, Total	ND(0.02)	mg/L	6327/50
Hexane Extractable Material	ND(5.0)	mg/L	6208/84

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Cyanide, Total	N/A	10/12/2007	071012-1	071012-1	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	10/17/2007	071017-1	071017-1	SRE	1664

Conclusion of Lab Number: 07100293

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28648

Lab Number: 07100294
Sample Description: Huntington Stormwater-Comp.

Date Sampled: 10/02/2007
Time Sampled: 1043

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/38
Wichita S.W. Herbicides	QC		
Dicamba	ND(1.0)	µg/L	6231/96
Picloram	ND(1.0)	µg/L	6231/96
MCPP	ND(200)	µg/L	6231/96
2,4-D	ND(1.0)	µg/L	6231/96
Wichita S.W. NP Pest			
Diazinon	ND(0.5)	µg/L	6175/116
Malathion	ND(0.5)	µg/L	6175/116
Prometon	ND(0.5)	µg/L	6175/116
Trichlorfon	ND(5.0) EV	µg/L	6175/116
Wichita S.W. OC Pest			
Hexachlorobenzene	ND(0.5)	µg/L	6239/219
Trifluralin	ND(0.5)	µg/L	6239/219
Carbaryl, Method 632	ND(5.0)	µg/L	6240/38
Cadmium, Total	ND(0.003)	mg/L	6360/52
Copper, Total	0.038	mg/L	6360/52
Hardness (Calculated)	99.3	mg/L as CaCO3	6360/43
Silver, Total	ND(0.010)	mg/L	6360/52
Zinc, Total	0.199	mg/L	6378/8
Chloride	52.	mg/L	6374/12
Solids, Total Dissolved	230.	mg/L	6246/390
Solids, Total Suspended	150.	mg/L	6246/388

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	10/04/2007	10/12/2007	071004-2	2LC1285	SPA	632(M)
Wichita S.W. Herbicides	10/08/2007	10/10/2007	071008-3	1EX5282	LPL	8151A
Wichita S.W. NP Pest	10/09/2007	10/23/2007	071009-5	1EX1295	LPL	8141A
Wichita S.W. OC Pest	10/04/2007	10/13/2007	071004-1	3EX6285	SPA	8081A
Carbaryl, Method 632	10/04/2007	10/12/2007	071004-2	2LC1285	SPA	632(M)
Cadmium, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7
Copper, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7
Hardness (Calculated)	10/09/2007	10/10/2007	071009-6	14IP2282	KMW	200.7 & SM 2340B
Silver, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28648

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Zinc, Total	10/11/2007	10/29/2007	071011-4	5IP2302	KMW	200.7
Chloride	N/A	10/20/2007	071019-2	071019-6	JAC	300.0
Solids, Total Dissolved	N/A	10/09/2007	071009-1	071009-1	SRE	SM 2540C
Solids, Total Suspended	N/A	10/08/2007	071008-1	071008-1	SRE	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07100294

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28648

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

QC - QC data qualifiers were noted. See the Quality Control Report.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28648

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	071004-2	071004BLK2	071004LCS2	
Lab numbers associated with this batch: 07100294					
CL328	Wichita S.W. Herbicides	071008-3	071008BLK3	071008LCS3	07100287MS
Lab numbers associated with this batch: 07100294					
CL334	Wichita S.W. NP Pest	071009-5	071009BLK5	071009LCS5	07100289MS
Lab numbers associated with this batch: 07100294					
CL352	Wichita S.W. OC Pest	071004-1	071004BLK1	071004LCS1	
Lab numbers associated with this batch: 07100294					
CL375	Carbaryl, Method 632	071004-2	071004BLK2	071004LCS2	07092409MS
Lab numbers associated with this batch: 07100294					
SL323	Hardness (Calculated)	071009-6	071009BLK6	071009LCS6	07100504MS
Lab numbers associated with this batch: 07100294					
SL306	Cadmium, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL313	Copper, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL353	Silver, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL369	Zinc, Total	071011-4	071011BLK4	071011LCS4	07100292MS
Lab numbers associated with this batch: 07100294					
GL502	Chloride	071019-2	071019BLK2	071019LCS2	07100415MS
Lab numbers associated with this batch: 07100294					
GL158	Cyanide, Total	071012-1	071012BLK1	071012LCS1	07100275MS
Lab numbers associated with this batch: 07100293					
GL188	Hexane Extractable Material	071017-1	071017BLK1	071017LCS1	07100159MS
Lab numbers associated with this batch: 07100293					

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28648

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
GL242	Solids, Total Dissolved	071009-1	071009BLK1	071009LCS1	07100287MS
Lab numbers associated with this batch: 07100294					
GL243	Solids, Total Suspended	071008-1	071008BLK1	071008LCS1	
Lab numbers associated with this batch: 07100294					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28648

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071004-1	For samples prepared on: 10/04/2007					Spiked sample:						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	N/A	#		µg/L			#			**	#
Trifluralin	ND(0.5)	83.4	#	1.3	µg/L			#			**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	45.2 CH	71.2 CH	30.0-125	0.5	µg/L	MN	MN				**	
Decachlorobiphenyl(DCB)	83.0	103.	8.70-127	0.5	µg/L	MN	MN				**	
QC Batch: 071004-2	For samples prepared on: 10/04/2007					Spiked sample:						
Diuron	ND(5.0)	86.6	#	10.0	µg/L	MN	MN	#			**	#
Surrogates:												
Neburon	83.4	85.0	60.2-135	10.0	µg/L	MN	MN				**	
QC Batch: 071004-2	For samples prepared on: 10/04/2007					Spiked sample: 07092409						
Carbaryl, Method 632	ND(5.0)	92.0	63.8-119	10.0	µg/L	MN	MN	63.8-123	10.0	µg/L	**	10.8
Surrogates:												
Neburon	83.4	85.0	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 071008-1	For sample analyzed on: 10/08/2007					Spiked sample:						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#			**	24.4
QC Batch: 071008-3	For samples prepared on: 10/08/2007					Spiked sample: 07100287						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	106.	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	107.	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	165.	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	109.	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	110.	115.	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 071009-1	For sample analyzed on: 10/09/2007					Spiked sample: 07100287						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#		mg/L	**	5.5
QC Batch: 071009-5	For samples prepared on: 10/09/2007					Spiked sample: 07100289						
Wichita S.W. NP Pest						MN	MN					
Diazinon	ND(0.5)	91.5	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	ND(0.5)	99.1	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	92.4	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	ND(5.0) EV	0.0 EV	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
o,o,o-TEP	92.3	101.	77.5-105	1.0	µg/L	MN	MN	77.5-105	1.0	µg/L	**	
QC Batch: 071009-6	For samples prepared on: 10/09/2007					Spiked sample: 07100504						
Hardness (Calculated)	ND(5.0)	110.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 071011-4	For samples prepared on: 10/11/2007					Spiked sample: 07100292						
Cadmium, Total	ND(0.003)	93.8	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	91.4	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	108	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	ND(0.020)	104	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 071012-1	For sample analyzed on: 10/12/2007					Spiked sample: 07100275						
Cyanide, Total	ND(0.02)	99.7	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28648

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071017-1	For sample analyzed on: 10/17/2007					Spiked sample: 07100159						
Hexane Extractable Material	ND(1.4)	93.5	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0
QC Batch: 071019-2	For sample analyzed on: 10/19/2007					Spiked sample: 07100415						
Chloride	ND(1.0)	98.4	90.0-110	4.0	mg/L	MN	MN	69.5-127	400	mg/L	**	12.8

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

N/A - Not Applicable

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

- Limits not available.

** - RPD cannot be calculated.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28648

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07100294		**Sample Description:Huntington Stormwater-Comp.**				
Carbamate/Urea Pesticides						
Neburon	10/04/2007	10/12/2007	10	µg/L	76.2	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	10/08/2007	10/10/2007	5.0	µg/L	109.	63.3-134
Wichita S.W. NP Pest						
o,o,o-TEP	10/09/2007	10/23/2007	1.0	µg/L	91.9	77.5-105
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	10/04/2007	10/13/2007	0.5	µg/L	83.2	30.0-125
Decachlorobiphenyl(DCB)	10/04/2007	10/13/2007	0.5	µg/L	67.6	8.70-127
Carbamate/Urea Pesticides						
Neburon	10/04/2007	10/12/2007	10	µg/L	76.2	60.2-135

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28648

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	10/19/2007	3IP2292	No data qualifiers present for this analysis.			
Cadmium	10/19/2007	4IP2292	No data qualifiers present for this analysis.			
Diuron	10/12/2007	2LC1285	No data qualifiers present for this analysis.			
Diuron	10/12/2007	3LC1285	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	10/09/2007					
Picloram	10/09/2007	1EX5282	0.945	1.29	µg/ml	137. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100294	1EX5282	Huntington Stormwater-Comp.

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. Herbicides	10/10/2007					
Picloram	10/10/2007	2EX5282	1.42	1.85	µg/ml	130. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100294	1EX5282	Huntington Stormwater-Comp.

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	10/23/2007					
Trichlorfon	10/23/2007	1EX1295	5.00	5.70	µg/ml	114. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100294	1EX1295	Huntington Stormwater-Comp.

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	10/23/2007					
Trichlorfon	10/23/2007	2EX1295	2.50	4.98	µg/ml	199. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100294	1EX1295	Huntington Stormwater-Comp.

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. OC Pest	10/12/2007	3EX6285	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	10/13/2007	4EX6285	No data qualifiers present for this analysis.			
Carbaryl, Method 632	10/12/2007	2LC1285	No data qualifiers present for this analysis.			
Carbaryl, Method 632	10/12/2007	3LC1285	No data qualifiers present for this analysis.			
Copper	10/19/2007	3IP2292	No data qualifiers present for this analysis.			
Copper	10/19/2007	4IP2292	No data qualifiers present for this analysis.			
Cyanide, Total	10/12/2007	071012-1	No data qualifiers present for this analysis.			

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28648

Cyanide, Total	10/12/2007	071012-2	No data qualifiers present for this analysis.
Hexane Extractable Material	10/17/2007	071017-1	No data qualifiers present for this analysis.
Hexane Extractable Material	10/17/2007	071017-2	No data qualifiers present for this analysis.
Chloride	10/20/2007	071019-6	No data qualifiers present for this analysis.
Chloride	10/20/2007	071019-7	No data qualifiers present for this analysis.
Silver	10/19/2007	3IP2292	No data qualifiers present for this analysis.
Silver	10/19/2007	4IP2292	No data qualifiers present for this analysis.
Zinc	10/29/2007	5IP2302	No data qualifiers present for this analysis.
Zinc	10/29/2007	6IP2302	No data qualifiers present for this analysis.

Data Qualifiers:
EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.
525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CHAIN OF CUSTODY RECORD

Continental ~~Shipping~~ Order Number: 28648

10/3/07

Client/Reporting Information			Invoice Information		
Company Name: City of Wichita Sewage Treatment			Company Name: City of Wichita Sewage Treatment		
Address: 2305 E. 57th Street South			Address: 2305 E. 57th Street South		
City: Wichita	State: KS	Zip: 67216	City: Wichita	State: KS	Zip: 67216
Contact: Jim Hardesty	E-mail:		Contact: Jim Hardesty	E-mail:	
Phone Number: (316)303-8700	Fax Number: (316)303-8712		Phone Number: (316)303-8700	Fax Number: (316)303-8712	
Sampler's Name:(Printed)	Sampler's Name:(Signature)		Purchase Order Number:		
File Number: 5611	Project Name: Stormwater - Summer Event				

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	Number of Preserved Bottles: HCL	NaOH	HNO3	H2SO4	NONE	OTHER:	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 8 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
Huntington Stormwater - Grab	WW	N	10-2-7	10:43	G	3		1		2			X	X							5 Gal. Container to be poured off at lab
Huntington Stormwater - Composite	WW	N			C	11			1		1	9			X	X	X	X			as needed for Composite Tests.
																					Remaining volume will be saved for
																					for organics if needed.

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SI=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SI=Sludge, A=Air, OL = Oil/Organic Liquid, O=Other

RELINQUISHED BY:	DATE: 10-2-7	TIME: 14:30	RECEIVED BY:	DATE: 10-3-07	TIME: 1405
RELINQUISHED BY:	DATE: 10-3-07	TIME: 1635	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY:	DATE: 10-3-07	TIME: 16:35	SHIPPED VIA: / AIRBILL:	SEAL #: / SEAL DATE:	

Continental
Analytical Services, Inc.

10/30/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 10/03/2007
Continental File No.: 5611
Continental Order No.: 28647
P.O./Project No: SW-Summer Event
Project ID: Industry #1-SW

Dear Mr. Hardesty:

This laboratory report, consisting of 11 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07100292	Industry #1	Liquid	10/2/2007

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

The Appendix and Quality Control sections are an integral part of this report and may contain important data qualifiers. The chain of custody and sample receipt form are also included as attachments to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

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CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830

KDHE Environmental Laboratory Accreditation No. E-10146

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28647

Lab Number: 07100292
Sample Description: Industry #1

Date Sampled: 10/02/2007
Time Sampled: 1105

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/38
Wichita S.W. Herbicides	QC		
Dicamba	ND(1.0)	µg/L	6231/96
Picloram	ND(1.0)	µg/L	6231/96
MCPP	ND(200)	µg/L	6231/96
2,4-D	ND(1.0)	µg/L	6231/96
Wichita S.W. NP Pest			
Diazinon	ND(0.5)	µg/L	6175/116
Malathion	ND(0.5)	µg/L	6175/116
Prometon	ND(0.5)	µg/L	6175/116
Trichlorfon	ND(5.0) EV	µg/L	6175/116
Wichita S.W. OC Pest			
Hexachlorobenzene	ND(0.5)	µg/L	6239/219
Trifluralin	ND(0.5)	µg/L	6239/219
Carbaryl, Method 632	ND(5.0)	µg/L	6240/38
Cadmium, Total	ND(0.003)	mg/L	6378/4
Copper, Total	ND(0.020)	mg/L	6378/4
Hardness (Calculated)	51.5	mg/L as CaCO3	6360/43
Silver, Total	ND(0.010) QC	mg/L	6378/4
Zinc, Total	0.057	mg/L	6378/4
Chloride	5.8	mg/L	6374/12
Cyanide, Total	ND(0.02)	mg/L	6327/50
Hexane Extractable Material	ND(5.0)	mg/L	6208/84
Solids, Total Dissolved	80.	mg/L	6246/390
Solids, Total Suspended	33.	mg/L	6246/388

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	10/04/2007	10/12/2007	071004-2	2LC1285	SPA	632(M)
Wichita S.W. Herbicides	10/08/2007	10/10/2007	071008-3	1EX5282	LPL	8151A
Wichita S.W. NP Pest	10/09/2007	10/23/2007	071009-5	1EX1295	LPL	8141A
Wichita S.W. OC Pest	10/04/2007	10/13/2007	071004-1	3EX6285	SPA	8081A
Carbaryl, Method 632	10/04/2007	10/12/2007	071004-2	2LC1285	SPA	632(M)
Cadmium, Total	10/11/2007	10/24/2007	071011-4	9IP2296	KMW	200.7
Copper, Total	10/11/2007	10/24/2007	071011-4	9IP2296	KMW	200.7

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28647

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Hardness (Calculated)	10/09/2007	10/10/2007	071009-6	14IP2282	KMW	200.7 & SM 2340B
Silver, Total	10/11/2007	10/24/2007	071011-4	9IP2296	KMW	200.7
Zinc, Total	10/11/2007	10/24/2007	071011-4	9IP2296	KMW	200.7
Chloride	N/A	10/20/2007	071019-2	071019-6	JAC	300.0
Cyanide, Total	N/A	10/12/2007	071012-1	071012-1	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	10/17/2007	071017-1	071017-1	SRE	1664
Solids, Total Dissolved	N/A	10/09/2007	071009-1	071009-1	SRE	SM 2540C
Solids, Total Suspended	N/A	10/08/2007	071008-1	071008-1	SRE	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07100292

ND(), where noted, indicates none detected with the reporting limit in parentheses.

Continental Analytical Services, Inc.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/03/2007
Continental File No: 5611
Continental Order No: 28647

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

QC - QC data qualifiers were noted. See the Quality Control Report.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28647

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	071004-2	071004BLK2	071004LCS2	
Lab numbers associated with this batch: 07100292					
CL328	Wichita S.W. Herbicides	071008-3	071008BLK3	071008LCS3	07100287MS
Lab numbers associated with this batch: 07100292					
CL334	Wichita S.W. NP Pest	071009-5	071009BLK5	071009LCS5	07100289MS
Lab numbers associated with this batch: 07100292					
CL352	Wichita S.W. OC Pest	071004-1	071004BLK1	071004LCS1	
Lab numbers associated with this batch: 07100292					
CL375	Carbaryl, Method 632	071004-2	071004BLK2	071004LCS2	07092409MS
Lab numbers associated with this batch: 07100292					
SL323	Hardness (Calculated)	071009-6	071009BLK6	071009LCS6	07100504MS
Lab numbers associated with this batch: 07100292					
SL306	Cadmium, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL313	Copper, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL353	Silver, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL369	Zinc, Total	071011-4	071011BLK4	071011LCS4	07100292MS
Lab numbers associated with this batch: 07100292					
GL502	Chloride	071019-2	071019BLK2	071019LCS2	07100415MS
Lab numbers associated with this batch: 07100292					
GL158	Cyanide, Total	071012-1	071012BLK1	071012LCS1	07100275MS
Lab numbers associated with this batch: 07100292					
GL188	Hexane Extractable Material	071017-1	071017BLK1	071017LCS1	07100159MS
Lab numbers associated with this batch: 07100292					

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28647

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
GL242	Solids, Total Dissolved	071009-1	071009BLK1	071009LCS1	07100287MS
Lab numbers associated with this batch: 07100292					
GL243	Solids, Total Suspended	071008-1	071008BLK1	071008LCS1	
Lab numbers associated with this batch: 07100292					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28647

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071004-1	For samples prepared on: 10/04/2007					Spiked sample:						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	N/A	#		µg/L			#			**	#
Trifluralin	ND(0.5)	83.4	#	1.3	µg/L			#			**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	45.2 CH	71.2 CH	30.0-125	0.5	µg/L	MN	MN				**	
Decachlorobiphenyl(DCB)	83.0	103.	8.70-127	0.5	µg/L	MN	MN				**	
QC Batch: 071004-2	For samples prepared on: 10/04/2007					Spiked sample:						
Diuron	ND(5.0)	86.6	#	10.0	µg/L	MN	MN	#			**	#
Surrogates:												
Neburon	83.4	85.0	60.2-135	10.0	µg/L	MN	MN				**	
QC Batch: 071004-2	For samples prepared on: 10/04/2007					Spiked sample: 07092409						
Carbaryl, Method 632	ND(5.0)	92.0	63.8-119	10.0	µg/L	MN	MN	63.8-123	10.0	µg/L	**	10.8
Surrogates:												
Heburon	83.4	85.0	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 071008-1	For sample analyzed on: 10/08/2007					Spiked sample:						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#			**	24.4
QC Batch: 071008-3	For samples prepared on: 10/08/2007					Spiked sample: 07100287						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	106.	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	107.	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	165.	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	109.	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	110.	115.	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 071009-1	For sample analyzed on: 10/09/2007					Spiked sample: 07100287						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#		mg/L	**	5.5
QC Batch: 071009-5	For samples prepared on: 10/09/2007					Spiked sample: 07100289						
Wichita S.W. NP Pest						MN	MN					
Diazinon	ND(0.5)	91.5	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	ND(0.5)	99.1	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	92.4	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	ND(5.0) EV	0.0 EV	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
o,o,o-TEP	92.3	101.	77.5-105	1.0	µg/L	MN	MN	77.5-105	1.0	µg/L	**	
QC Batch: 071009-6	For samples prepared on: 10/09/2007					Spiked sample: 07100504						
Hardness (Calculated)	ND(5.0)	110.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 071011-4	For samples prepared on: 10/11/2007					Spiked sample: 07100292+						
Cadmium, Total	ND(0.003)	93.8	85.0-115	0.5	mg/L	92.1	90.8	88.1-107	0.5	mg/L	1.4	3.7
Copper, Total	ND(0.020)	91.4	85.0-115	0.5	mg/L	100	101	93.8-113	0.5	mg/L	1.0	3.7
Silver, Total	ND(0.010)	108	85.0-115	0.1	mg/L	117. ML	117. ML	94.3-114	0.1	mg/L	0.0	4.1
Zinc, Total	ND(0.020)	104	85.0-115	0.5	mg/L	88.7	87.1	85.3-111	0.5	mg/L	1.8	6.5
QC Batch: 071012-1	For sample analyzed on: 10/12/2007					Spiked sample: 07100275						
Cyanide, Total	ND(0.02)	99.7	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28647

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071017-1	For sample analyzed on: 10/17/2007					Spiked sample: 07100159						
Hexane Extractable Material	ND(1.4)	93.5	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0
QC Batch: 071019-2	For sample analyzed on: 10/19/2007					Spiked sample: 07100415						
Chloride	ND(1.0)	98.4	90.0-110	4.0	mg/L	MN	MN	69.5-127	400	mg/L	**	12.8

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

N/A - Not Applicable

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

ML - The matrix spike and/or matrix spike duplicate recovery for this analyte was below the method or laboratory control limit. See LCS data for the basis for acceptance of this sample. The reported sample concentration is estimated.

- Limits not available.

** - RPD cannot be calculated.

+ - The MS/MSD sample analyses were performed on this sample from this Continental order number.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28647

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07100292		**Sample Description:Industry #1**				
Carbamate/Urea Pesticides						
Neburon	10/04/2007	10/12/2007	10	µg/L	76.1	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	10/08/2007	10/10/2007	5.0	µg/L	112.	63.3-134
Wichita S.W. NP Pest						
o,o,o-TEP	10/09/2007	10/23/2007	1.0	µg/L	92.8	77.5-105
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	10/04/2007	10/13/2007	0.5	µg/L	94.8	30.0-125
Decachlorobiphenyl(DCB)	10/04/2007	10/13/2007	0.5	µg/L	50.2	8.70-127
Carbamate/Urea Pesticides						
Neburon	10/04/2007	10/12/2007	10	µg/L	76.1	60.2-135

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28647

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	10/24/2007	10IP2296	No data qualifiers present for this analysis.			
Cadmium	10/24/2007	9IP2296	No data qualifiers present for this analysis.			
Diuron	10/12/2007	2LC1285	No data qualifiers present for this analysis.			
Diuron	10/12/2007	3LC1285	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	10/09/2007					
Picloram	10/09/2007	1EX5282	0.945	1.29	µg/ml	137. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100292	1EX5282	Industry #1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. Herbicides	10/10/2007					
Picloram	10/10/2007	2EX5282	1.42	1.85	µg/ml	130. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100292	1EX5282	Industry #1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	10/23/2007					
Trichlorfon	10/23/2007	1EX1295	5.00	5.70	µg/ml	114. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100292	1EX1295	Industry #1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	10/23/2007					
Trichlorfon	10/23/2007	2EX1295	2.50	4.98	µg/ml	199. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100292	1EX1295	Industry #1

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. OC Pest	10/12/2007	3EX6285	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	10/13/2007	4EX6285	No data qualifiers present for this analysis.			
Carbaryl, Method 632	10/12/2007	2LC1285	No data qualifiers present for this analysis.			
Carbaryl, Method 632	10/12/2007	3LC1285	No data qualifiers present for this analysis.			
Copper	10/24/2007	10IP2296	No data qualifiers present for this analysis.			
Copper	10/24/2007	9IP2296	No data qualifiers present for this analysis.			
Cyanide, Total	10/12/2007	071012-1	No data qualifiers present for this analysis.			

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/03/2007
Continental File No: 5611
Continental Order No: 28647

Cyanide, Total	10/12/2007	071012-2	No data qualifiers present for this analysis.
Hexane Extractable Material	10/17/2007	071017-1	No data qualifiers present for this analysis.
Hexane Extractable Material	10/17/2007	071017-2	No data qualifiers present for this analysis.
Chloride	10/20/2007	071019-6	No data qualifiers present for this analysis.
Chloride	10/20/2007	071019-7	No data qualifiers present for this analysis.
Silver	10/24/2007	10IP2296	No data qualifiers present for this analysis.
Silver	10/24/2007	9IP2296	No data qualifiers present for this analysis.
Zinc	10/24/2007	10IP2296	No data qualifiers present for this analysis.
Zinc	10/24/2007	9IP2296	No data qualifiers present for this analysis.

Data Qualifiers:
EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.
Cooler / Sample Receipt Form

Client Name: City of Wichita **CAS File No.:** 5611 **CAS Order No.:** 28547

Sample ID:

Sample ID: See Co. C

Cooler 9 **of** 6 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ /Client's Cooler/Box/Letter/Hand Delivered
Other: _____

Date/Time Cooler Received: 10/3/07 16:35

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Svcs/Mail/Walk-In/Other: _____

Custody Seal: Present: Intact / Broken Absent: ____ Seal No: N/A
Seal Name: N/A Seal Date: N/A
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/Ice/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other: _____

Cooler Temperature (°C): Original Reading (°C) 5.4 Corrected Reading (°C) 4.4-6.4
Temp. By: Temp. Blank _____ Surface X Glass/Plastic/Metal/Other: _____
Thermo. ID No.: SSS Thermo. Correction Factor (°C): ±1.0

Sample Receipt Discrepancies: ☐ Yes ☒ No
[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

CAS SAMPLE RECEIVING DEPT.

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other: _____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: CMS **Date Completed:** 10/3/07

CAS PROJ. MGMT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form?: Yes No Sent Test Assignment Review Sheets?: Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

This section reviewed by CAS Project Management: SB Date Reviewed: 10/4/07

Continental Analytical Services, Inc.
525 N. 8th Street, Salina, KS 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CHAIN OF CUSTODY RECORD

Continental ~~Shipping~~ Order Number: 28697

RAB 10/3/07

Client/Reporting Information			Invoice Information		
Company Name: City of Wichita Sewage Treatment			Company Name: City of Wichita Sewage Treatment		
Address: 2305 E. 57th Street South			Address: 2305 E. 57th Street South		
City: Wichita	State: KS	Zip: 67216	City: Wichita	State: KS	Zip: 67216
Contact: Jim Hardesty	E-mail:		Contact: Jim Hardesty	E-mail:	
Phone Number: (316)303-8700	Fax Number: (316)303-8712		Phone Number: (316)303-8700	Fax Number: (316)303-8712	
Sampler's Name:(Printed)	Sampler's Name:(Signature) Jim Hardesty		Purchase Order Number:		
File Number: 5611	Project Name: Stormwater - Summer Event				

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	Number of Preserved Bottles: HCL	NaOH	HNO3	H2SO4	NONE	OTHER	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 8 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
~~McLean Upstream~~ INDUSTRY #1	WW	N	10-2-7	11:05	G	14		1	1	2	1	9	X	X	X	X	X	X			5 Gal. Container to be poured off at lab
																					as needed for required tests.
																					Remaining volume will be saved for
																					for organics if needed.

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SI=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SI=Sludge, A=Air, OL= Oil/Organic Liquid, O=Other

RELINQUISHED BY: Jim Hardesty	DATE: 10-2-7	TIME: 14:30	RECEIVED BY:	DATE: 10307	TIME: 1405
RELINQUISHED BY:	DATE: 10307	TIME: 1635	RECEIVED BY:	DATE:	TIME:
RECEIVED AT LAB BY: Olga M Porter	DATE: 10-3-07	TIME: 16:35	SHIPPED VIA: AIRBILL:	SEAL #: SEAL DATE:	

Continental
Analytical Services, Inc.

10/30/2007

City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Received: 10/04/2007
Continental File No.: 5611
Continental Order No.: 28646
P.O./Project No: SW-Summer Event
Project ID: McLean SW

Dear Mr. Hardesty:

This laboratory report, consisting of 12 pages, contains the analytical and quality control results for the following samples:

CAS LAB ID #	SAMPLE DESCRIPTION	SAMPLE TYPE	DATE SAMPLED
07100290	McLean Stormwater-Grab	Liquid	10/2/2007
07100291	McLean Stormwater-Composite	Liquid	10/2/2007

Continental is accredited by the State of Kansas through the National Environmental Laboratory Accreditation Program (NELAP). The results contained in this report were obtained using Continental's Standard Operating Procedures. These procedures are in substantial compliance with the approved methods referenced and the standards published by NELAP unless otherwise noted in the Appendix and Quality Control sections of this report.

The Appendix and Quality Control sections are an integral part of this report and may contain important data qualifiers. The chain of custody and sample receipt form are also included as attachments to this report.

All results are reported on a wet weight basis unless otherwise stated.

Samples will be retained for thirty days unless Continental is otherwise notified.

Thank you for choosing Continental for this project. If you have any questions please contact me at (800)535-3076.

This report may not be reproduced, except in full, without written approval from Continental Analytical Services, Inc.

CONTINENTAL ANALYTICAL SERVICES, INC.

Clifford J. Baker
Technical Manager

Gregory J. Groene
Project Manager

P.O. Box 3737 - 525 N. Eighth St. - Salina, KS 67402-3737
785-827-1273 800-535-3076 Fax 785-823-7830

KDHE Environmental Laboratory Accreditation No. E-10146

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/04/2007
Continental File No: 5611
Continental Order No: 28646

Lab Number: 07100290
Sample Description: McLean Stormwater-Grab

Date Sampled: 10/02/2007
Time Sampled: 1137

Analysis	Concentration	Units	Book/Page
Cyanide, Total	ND(0.02)	mg/L	6327/50
Hexane Extractable Material	7.5	mg/L	6208/84

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Cyanide, Total	N/A	10/12/2007	071012-1	071012-2	SRE	SM 4500-CN(C,E)
Hexane Extractable Mate	N/A	10/17/2007	071017-1	071017-1	SRE	1664

Conclusion of Lab Number: 07100290

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/04/2007
Continental File No: 5611
Continental Order No: 28646

Lab Number: 07100291
Sample Description: McLean Stormwater-Composite

Date Sampled: 10/02/2007
Time Sampled: 1137

Analysis	Concentration	Units	Book/Page
Diuron	ND(5.0)	µg/L	6240/38
Wichita S.W. Herbicides	QC		
Dicamba	ND(1.0)	µg/L	6231/96
Picloram	ND(1.0)	µg/L	6231/96
MCPP	ND(200)	µg/L	6231/96
2,4-D	2.7	µg/L	6231/96
Wichita S.W. NP Pest			
Diazinon	ND(0.5)	µg/L	6175/116
Malathion	ND(0.5)	µg/L	6175/116
Prometon	ND(0.5)	µg/L	6175/116
Trichlorfon	ND(5.0) EV	µg/L	6175/116
Wichita S.W. OC Pest			
Hexachlorobenzene	ND(0.5)	µg/L	6239/219
Trifluralin	ND(0.5)	µg/L	6239/219
Carbaryl, Method 632	ND(5.0)	µg/L	6240/38
Cadmium, Total	ND(0.003)	mg/L	6360/52
Copper, Total	0.036	mg/L	6360/52
Hardness (Calculated)	70.8	mg/L as CaCO3	6360/43
Silver, Total	ND(0.010)	mg/L	6360/52
Zinc, Total	0.306	mg/L	6378/8
Chloride	12.2	mg/L	6374/12
Solids, Total Dissolved	120.	mg/L	6246/390
Solids, Total Suspended	50.	mg/L	6246/388

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Diuron	10/04/2007	10/12/2007	071004-2	2LC1285	SPA	632(M)
Wichita S.W. Herbicides	10/08/2007	10/10/2007	071008-3	1EX5282	LPL	8151A
Wichita S.W. NP Pest	10/09/2007	10/23/2007	071009-5	1EX1295	LPL	8141A
Wichita S.W. OC Pest	10/04/2007	10/13/2007	071004-1	3EX6285	SPA	8081A
Carbaryl, Method 632	10/04/2007	10/12/2007	071004-2	2LC1285	SPA	632(M)
Cadmium, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7
Copper, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7
Hardness (Calculated)	10/09/2007	10/10/2007	071009-6	14IP2282	KMW	200.7 & SM 2340B
Silver, Total	10/11/2007	10/19/2007	071011-4	3IP2292	KMW	200.7

-Continued-

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/04/2007
Continental File No: 5611
Continental Order No: 28646

Analysis	Date Prepared	Date Analyzed	QC Batch	Inst. Batch	Analyst	Method(s)
Zinc, Total	10/11/2007	10/29/2007	071011-4	4IP2302	KMW	200.7
Chloride	N/A	10/19/2007	071019-1	071019-2	JAC	300.0
Solids, Total Dissolved	N/A	10/09/2007	071009-1	071009-1	SRE	SM 2540C
Solids, Total Suspended	N/A	10/08/2007	071008-1	071008-1	SRE	SM 2540D
Organochlor. Pest./PCB Preparation Method						608/3510C
Herbicides Preparation Method						515.1(M)/615(M)/8151
Organophos./Triazine Pest. Preparation Method						614(M)/3510C
ICP Metals Total Preparation Method						200.7/3010A
Carbamate/Urea Pesticides Preparation Method						632(M)
Calculated as Hardness Preparation Method						200.7/6010B

Conclusion of Lab Number: 07100291

ND(), where noted, indicates none detected with the reporting limit in parentheses.

APPENDIX

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Sample Rptd: 10/30/2007
Date Sample Recd: 10/04/2007
Continental File No: 5611
Continental Order No: 28646

All samples were received at the recommended temperature of less than 6 degrees Celsius.

No analysis with a holding time of seventy-two hours or less was performed in this Continental order.

QC - QC data qualifiers were noted. See the Quality Control Report.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

Continental Analytical Services, Inc.

Quality Control Report
Batch Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/04/2007
Continental File No: 5611
Continental Order No: 28646

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
CL140	Diuron	071004-2	071004BLK2	071004LCS2	
Lab numbers associated with this batch: 07100291					
CL328	Wichita S.W. Herbicides	071008-3	071008BLK3	071008LCS3	07100287MS
Lab numbers associated with this batch: 07100291					
CL334	Wichita S.W. NP Pest	071009-5	071009BLK5	071009LCS5	07100289MS
Lab numbers associated with this batch: 07100291					
CL352	Wichita S.W. OC Pest	071004-1	071004BLK1	071004LCS1	
Lab numbers associated with this batch: 07100291					
CL375	Carbaryl, Method 632	071004-2	071004BLK2	071004LCS2	07092409MS
Lab numbers associated with this batch: 07100291					
SL323	Hardness (Calculated)	071009-6	071009BLK6	071009LCS6	07100504MS
Lab numbers associated with this batch: 07100291					
SL306	Cadmium, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL313	Copper, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL353	Silver, Total	071011-4	071011BLK4	071011LCS4	07100292MS
SL369	Zinc, Total	071011-4	071011BLK4	071011LCS4	07100292MS
Lab numbers associated with this batch: 07100291					
GL502	Chloride	071019-1	071019BLK1	071019LCS1	07100265MS
Lab numbers associated with this batch: 07100291					
GL158	Cyanide, Total	071012-1	071012BLK1	071012LCS1	07100275MS
Lab numbers associated with this batch: 07100290					
GL188	Hexane Extractable Material	071017-1	071017BLK1	071017LCS1	07100159MS
Lab numbers associated with this batch: 07100290					

Continental Analytical Services, Inc.

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Quality Control Report
Batch Summary

Date Reported: 10/30/2007
Date Sample Received: 10/04/2007
Continental File No: 5611
Continental Order No: 28646

Test	Testname	QC Batch	Method Blank	LCS	MS Lab No.
GL242	Solids, Total Dissolved	071009-1	071009BLK1	071009LCS1	07100287MS
Lab numbers associated with this batch: 07100291					
GL243	Solids, Total Suspended	071008-1	071008BLK1	071008LCS1	
Lab numbers associated with this batch: 07100291					

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/04/2007
Continental File No: 5611
Continental Order No: 28646

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071004-1	For samples prepared on: 10/04/2007					Spiked sample:						
Wichita S.W. OC Pest						MN	MN					
Hexachlorobenzene	ND(0.5)	N/A	#		µg/L			#			**	#
Trifluralin	ND(0.5)	83.4	#	1.3	µg/L			#			**	#
Surrogates:												
Tetrachloro-m-Xylene(TCMX)	45.2 CH	71.2 CH	30.0-125	0.5	µg/L	MN	MN				**	
Decachlorobiphenyl(DCB)	83.0	103.	8.70-127	0.5	µg/L	MN	MN				**	
QC Batch: 071004-2	For samples prepared on: 10/04/2007					Spiked sample:						
Diuron	ND(5.0)	86.6	#	10.0	µg/L	MN	MN	#			**	#
Surrogates:												
Neburon	83.4	85.0	60.2-135	10.0	µg/L	MN	MN				**	
QC Batch: 071004-2	For samples prepared on: 10/04/2007					Spiked sample: 07092409						
Carbaryl, Method 632	ND(5.0)	92.0	63.8-119	10.0	µg/L	MN	MN	63.8-123	10.0	µg/L	**	10.8
Surrogates:												
Neburon	83.4	85.0	60.2-135	10.0	µg/L	MN	MN	60.2-135	10.0	µg/L	**	
QC Batch: 071008-1	For sample analyzed on: 10/08/2007					Spiked sample:						
Solids, Total Suspended	ND(5)	N/A	#		mg/L	MN	MN	#			**	24.4
QC Batch: 071008-3	For samples prepared on: 10/08/2007					Spiked sample: 07100287						
Wichita S.W. Herbicides						MN	MN					
Dicamba	ND(1.0)	106.	63.0-131	4.0	µg/L			78.5-122	4.0	µg/L	**	11.4
Picloram	ND(1.0)	107.	6.40-108	4.0	µg/L			10.7-111	4.0	µg/L	**	21.5
MCPP	ND(200)	165.	87.2-167	400	µg/L			60.2-198	400	µg/L	**	8.3
2,4-D	ND(1.0)	109.	51.7-139	4.0	µg/L			53.5-135	4.0	µg/L	**	21.6
Surrogates:												
2,4-Dichlorophenylacetic Acid	110.	115.	63.3-134	5.0	µg/L	MN	MN	63.3-134	5.0	µg/L	**	
QC Batch: 071009-1	For sample analyzed on: 10/09/2007					Spiked sample: 07100287						
Solids, Total Dissolved	ND(30)	N/A	#		mg/L	MN	MN	#		mg/L	**	5.5
QC Batch: 071009-5	For samples prepared on: 10/09/2007					Spiked sample: 07100289						
Wichita S.W. NP Pest						MN	MN					
Diazinon	ND(0.5)	91.5	79.4-114	1.0	µg/L			79.8-119	1.0	µg/L	**	11.9
Malathion	ND(0.5)	99.1	82.1-111	1.0	µg/L			72.7-118	1.0	µg/L	**	15.3
Prometon	ND(0.5)	92.4	67.8-125	1.0	µg/L			#	1.0	µg/L	**	#
Trichlorfon	ND(5.0) EV	0.0 EV	0.1-55.1	5.0	µg/L			#	5.0	µg/L	**	#
Surrogates:												
o,o,o-TEP	92.3	101.	77.5-105	1.0	µg/L	MN	MN	77.5-105	1.0	µg/L	**	
QC Batch: 071009-6	For samples prepared on: 10/09/2007					Spiked sample: 07100504						
Hardness (Calculated)	ND(5.0)	110.	85.0-115	337	mg/L a	MN	MN	83.0-111	337	mg/L as	**	7.9
QC Batch: 071011-4	For samples prepared on: 10/11/2007					Spiked sample: 07100292						
Cadmium, Total	ND(0.003)	93.8	85.0-115	0.5	mg/L	MN	MN	88.1-107	0.5	mg/L	**	3.7
Copper, Total	ND(0.020)	91.4	85.0-115	0.5	mg/L	MN	MN	93.8-113	0.5	mg/L	**	3.7
Silver, Total	ND(0.010)	108	85.0-115	0.1	mg/L	MN	MN	94.3-114	0.1	mg/L	**	4.1
Zinc, Total	ND(0.020)	104	85.0-115	0.5	mg/L	MN	MN	85.3-111	0.5	mg/L	**	6.5
QC Batch: 071012-1	For sample analyzed on: 10/12/2007					Spiked sample: 07100275						
Cyanide, Total	ND(0.02)	99.7	70.2-111	0.2	mg/L	MN	MN	64.0-107	0.2	mg/L	**	17.3

Quality Control Report
Method Blank, LCS, MS/MSD Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/04/2007
Continental File No: 5611
Continental Order No: 28646

Analysis	Blank Data	% Rec LCS	Limits	Spike Level	Units	Spiked Sample (% Recovery) MS	MSD	Limits	Spike Level	Units	Spiked Sample Precision Data RPD	Limit
QC Batch: 071017-1	For sample analyzed on: 10/17/2007					Spiked sample: 07100159						
Hexane Extractable Material	ND(1.4)	93.5	78.0-114	40.0	mg/L	MN	MN	78.0-114	40.0	mg/L	**	18.0
QC Batch: 071019-1	For sample analyzed on: 10/19/2007					Spiked sample: 07100265						
Chloride	ND(1.0)	99.5	90.0-110	4.0	mg/L	MN	MN	69.5-127	80.0	mg/L	**	12.8

Data Qualifiers:

MN - The MS/MSD sample analyses were not performed on a sample from this Continental order number.

N/A - Not Applicable

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

- Limits not available.

** - RPD cannot be calculated.

Quality Control Report
Sample Surrogate Data

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/04/2007
Continental File No: 5611
Continental Order No: 28646

Surrogate	Date Prepared	Date Analyzed	Spike Level	Units	% Recovery	Acceptable % Limits
Lab Number: 07100291		**Sample Description:McLean Stormwater-Composite**				
Carbamate/Urea Pesticides						
Neburon	10/04/2007	10/12/2007	10	µg/L	82.8	60.2-135
Wichita S.W. Herbicides						
2,4-Dichlorophenylacetic Acid	10/08/2007	10/10/2007	5.0	µg/L	116.	63.3-134
Wichita S.W. NP Pest						
o,o,o-TEP	10/09/2007	10/23/2007	1.0	µg/L	91.8	77.5-105
Wichita S.W. OC Pest						
Tetrachloro-m-Xylene(TCMX)	10/04/2007	10/13/2007	0.5	µg/L	93.8	30.0-125
Decachlorobiphenyl(DCB)	10/04/2007	10/13/2007	0.5	µg/L	32.4	8.70-127
Carbamate/Urea Pesticides						
Neburon	10/04/2007	10/12/2007	10	µg/L	82.8	60.2-135

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/04/2007
Continental File No: 5611
Continental Order No: 28646

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Cadmium	10/19/2007	3IP2292	No data qualifiers present for this analysis.			
Cadmium	10/19/2007	4IP2292	No data qualifiers present for this analysis.			
Diuron	10/12/2007	2LC1285	No data qualifiers present for this analysis.			
Diuron	10/12/2007	3LC1285	No data qualifiers present for this analysis.			
Wichita S.W. Herbicides	10/09/2007					
Picloram	10/09/2007	1EX5282	0.945	1.29	µg/ml	137. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100291	1EX5282	McLean Stormwater-Composite

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. Herbicides	10/10/2007					
Picloram	10/10/2007	2EX5282	1.42	1.85	µg/ml	130. CH

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100291	1EX5282	McLean Stormwater-Composite

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	10/23/2007					
Trichlorfon	10/23/2007	1EX1295	5.00	5.70	µg/ml	114. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100291	1EX1295	McLean Stormwater-Composite

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. NP Pest	10/23/2007					
Trichlorfon	10/23/2007	2EX1295	2.50	4.98	µg/ml	199. EV

Samples associated with this Continuing Calibration Verification:

Laboratory Number	Instrument Batch	Sample Description
07100291	1EX1295	McLean Stormwater-Composite

Analysis	Date of Analysis	Instrument Batch ID	Amount in Standard	Amount Detected	Units	Percent Recovery
Wichita S.W. OC Pest	10/12/2007	3EX6285	No data qualifiers present for this analysis.			
Wichita S.W. OC Pest	10/13/2007	4EX6285	No data qualifiers present for this analysis.			
Carbaryl, Method 632	10/12/2007	2LC1285	No data qualifiers present for this analysis.			
Carbaryl, Method 632	10/12/2007	3LC1285	No data qualifiers present for this analysis.			
Copper	10/19/2007	3IP2292	No data qualifiers present for this analysis.			
Copper	10/19/2007	4IP2292	No data qualifiers present for this analysis.			
Cyanide, Total	10/12/2007	071012-2	No data qualifiers present for this analysis.			

Quality Control Report
Continuing Calibration Verification Data Summary

Client: City of Wichita Sewage Treatment
Attn: Jim Hardesty
2305 E. 57th Street South
Wichita, KS 67216

Date Reported: 10/30/2007
Date Sample Received: 10/04/2007
Continental File No: 5611
Continental Order No: 28646

Cyanide, Total	10/12/2007	071012-3	No data qualifiers present for this analysis.
Hexane Extractable Material	10/17/2007	071017-1	No data qualifiers present for this analysis.
Hexane Extractable Material	10/17/2007	071017-2	No data qualifiers present for this analysis.
Chloride	10/19/2007	071019-2	No data qualifiers present for this analysis.
Chloride	10/19/2007	071019-3	No data qualifiers present for this analysis.
Silver	10/19/2007	3IP2292	No data qualifiers present for this analysis.
Silver	10/19/2007	4IP2292	No data qualifiers present for this analysis.
Zinc	10/29/2007	4IP2302	No data qualifiers present for this analysis.
Zinc	10/29/2007	5IP2302	No data qualifiers present for this analysis.

Data Qualifiers:

EV - Using the recommended analytical procedure, this analyte routinely yields low and/or variable recoveries. The stated reporting limit or concentration is an estimated value.

CH - The continuing calibration verification (CCV) standard recovery for this analyte was above the method or SOP limit. The reported sample concentration may be biased high.

- Laboratory Report Conclusion -

Continental Analytical Services, Inc.
Cooler / Sample Receipt Form

8/21/07

Client Name: McLean Cliff/SC Wichita **CAS File No.:** 811 **CAS Order No.:** 28846

Sample ID:

Sample ID: See COC

Cooler 3 **of** 6 **for this CAS Order No.**

Cooler Identification: CAS Cooler #: _____ /Client's Cooler/Box/Letter/Hand Delivered
Other: McLean

Date/Time Cooler Received: 10 / 3 / 07 16 : 35

Delivered By: UPS/FedX/DHL/ASAP/Land Air Exp/Field Svcs/Mail/Walk-In/Other: _____

Custody Seal: Present: Intact / Broken Absent: ____ Seal No: N/A
Seal Name: N/A Seal Date: N/A
Seal matches Chain of Custody: Yes / No / N/A

Type of Packing Material: Blue Ice/Ice/Bubble/Foam/Paper/Peanuts/Vermiculite/ None/Other: _____

Cooler Temperature (°C): Original Reading (°C) 3.9 Corrected Reading (°C) 2.9 - 4.9
Temp. By: Temp. Blank ____ Surface X Glass/Plastic/Metal/Other: _____
Thermo. ID No.: SSS Thermo. Correction Factor (°C): ±1.0

Sample Receipt Discrepancies: ☐ Yes ☒ No
[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

CAS SAMPLE RECEIVING DEPT.

- ☐ Chain of Custody not present
- ☐ Information obtained from sample container/P.O./letter received with sample/other: _____
- ☐ Container label absent
- ☐ Chain of Custody incomplete [see detail below]
- ☐ Chain of Custody missing time sampled
- ☐ Time sampled obtained from container label
- ☐ Chain of Custody missing date sampled
- ☐ Date sampled obtained from container label
- ☐ Sample excluded from Chain of Custody
- ☐ Sample listed on Chain of Custody, not received
- ☐ Sample description on container and Chain of Custody do not agree
- ☐ Air bubbles in VOA vials larger than pea-size [approx. 6 mm]
- ☐ Cooler temperature exceeded 0.1 - 6.0 °C requirement [Do not mark if samples do not require cooling to 0.1 - 6.0 °C.]
- ☐ Broken or leaking containers
- ☐ Other discrepancies: _____

Detail to discrepancies/Comments: _____

This section completed by CAS Sample Receiving Dept.: [signature] **Date Completed:** 10/3/07

CAS PROJ. MGMT.

Did CAS inform client of discrepancies? Yes No N/A Date informed: _____ Informed by: _____

Who was informed? [If different from client contact on cover sheet]: _____

How was client informed?: Phone / Fax / Mail / E-mail / Other: _____

Sent Cooler/Sample Receipt Form?: Yes No Sent Test Assignment Review Sheets?: Yes No

[Note: CAS will proceed with sample analyses, addressing each discrepancy as shown, until/unless directed otherwise by the client.]

If cooler temperature was exceeded, does CAS have client's authorization to proceed on file? Yes No PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

Action: _____ PM: _____ Date: _____

This section reviewed by CAS Project Management: [signature] Date Reviewed: 10/4/07

Continental Analytical Services, Inc.
525 N. 8th Street, Salina 67401
(785)827-1273 (800)535-3076 Fax (785)823-7830
www.cas-lab.com

CHAIN OF CUSTODY RECORD

Continental Shipping Order Number: 28646

JMB 101307

Client/Reporting Information	Invoice Information
Company Name: City of Wichita Sewage Treatment	Company Name: City of Wichita Sewage Treatment
Address: 2305 E. 57th Street South	Address: 2305 E. 57th Street South
City: Wichita State: KS Zip: 67216	City: Wichita State: KS Zip: 67216
Contact: Jim Hardesty E-mail:	Contact: Jim Hardesty E-mail:
Phone Number: (316)303-8700 Fax Number: (316)303-8712	Phone Number: (316)303-8700 Fax Number: (316)303-8712
Sampler's Name:(Printed) Sampler's Name:(Signature) Jim Hardesty	Purchase Order Number:
File Number: 5611 Project Name: Stormwater - Summer Event	

SAMPLE IDENTIFICATION (30 Characters or less)	Matrix (Sample Type)	Regulatory Program	Date Sampled	Time Sampled	C-Composite G-Grab	Total Containers	Number of Preserved Bottles: HCL	NaOH	HNO3	H2SO4	NONE	OTHER:	Cyanide, Total 500ml Amber Pl - NaOH	Hexane Extractable Material 2 - 1000ml Amber - H2SO4	Cd, Cu, Ag, Zn 1000ml Pl - HNO3	TSS, TDS, Cl, Hardness 500ml Pl - None	NP Pesticides, OC Pesticides, Herbicides, Carbamates 8 - 1000ml Amber Glass - S/R	Extra volume for Organics 5 Gal. Container - None			COMMENTS
McLean Stormwater - Grab	WW	N	10-2-7	11:37	G	3		1		2			X	X							5 Gal. Container to be poured off at lab
McLean Stormwater - Composite	WW	N	↑		C	11			1		1	9			X	X	X	X			as needed for Composite Tests.
																					Remaining volume will be saved for
																					for organics if needed.

Regulatory Program: N=NPDES, R=RCRA, D=Drinking Water, SI=503 Sludge, O=Other

(Please note if non-standard turnaround. Rush & Emergency subject to additional charge)
Standard TAT: (15 working days) Rush TAT: (5 working days) Emergency TAT: (3 working days)

Matrix (Sample Type): DW=Drinking Water, GW=Ground Water, WW=Waste Water, W=Wipe, S=Solid/Soil, SL=Sludge, A=Air, OL = Oil/Organic Liquid, O=Other

RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
Jim Hardesty	10-2-7	14:30	[illegible]	10-3-07	1405
RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	DATE:	TIME:
[illegible]	10-3-07	1635			
RECEIVED AT LAB BY:	DATE:	TIME:	SHIPPED VIA:	SEAL #:	
[illegible]	10-3-07	16:35	AIRBILL:	SEAL DATE:	

E:\melisa\COC\Wichita COCs.XLS\6/19/2007

Summary of Enforcement Action

City of Wichita

2007

SWR - Residential Construction Projects Stormwater Inspection List

Inspection Date	Contractor Name	Property Location	Subdivision	A	B.2	A.1	A.6	A.7	A.2	A.2	A.2	A.12	A	Notice of Violation Details	Compliance Date
01/08/07	Nies Homes Inc	13607 E Boxthorn	Hawthorne 3rd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
01/08/07	Legend Builders LLC	13505 E Boxthorn	Hawthorne 3rd	x						x					
01/08/07	Masterpiece Homes Inc.	13511 E Boxthorn	Hawthorne 3rd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) / Failure to Use Effective BMP Devices /	
01/08/07	Masterpiece Homes Inc.	13623 E Camden Chase	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	
01/08/07	Craig & Joann Highfill	13622 E Camden Chase	Hawthorne 3rd												
01/08/07	Robert & Cynthia Kay	13508 E Camden Chase	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
01/08/07	Jane Beach Hipp	2288 Williams Gate Ct	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
01/08/07	Sproul Construction Co Inc	2284 Williams Gate Ct	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Use Effective BMP Devices /	
01/08/07	Brent & Karla Giltner	2252 Williams Gate Ct	Hawthorne 3rd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Use Effective BMP Devices /	
01/08/07	Michael & Mary J Wood	2212 N. Williams Gate Ct	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
01/08/07	Sproul Construction Co Inc	2208 Williams Gate Ct	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
01/08/07	Nies Homes Inc	2512 Rosemont Ct	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) / Failure to Use Effective BMP Devices /	
01/08/07	Paul & Ann Graf	2538 Rosemont Ct	Hawthorne 3rd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) / Failure to Use Effective BMP Devices /	
01/08/07	Twenty-First Growth LLC	2529 Rosemont	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
01/08/07	Wynne & Jennifer Bergman	2517 Rosemont Ct.	Hawthorne 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
01/08/07	Jeffrey W Kemp	2521 Rosemont Ct	Hawthorne 2nd											Illegal Discharge / Illegal Dumping into SSS /	
01/08/07	Masterpiece Homes Inc.	13221 Mainsgate Circle	Hawthorne 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS /	
01/08/07	Jamil & Leslie Toubassi	13305 E Mainsgate	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
01/08/07	Robert & Cheryl Moore	13402 E. Mainsgate	Hawthorne 3rd												
01/08/07	Masterpiece Homes Inc.	13414 E. Mainsgate	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Use Effective BMP Devices /	
01/06/07	Hector & Sonia Lorca	13419 E Mainsgate	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	
02/12/07	Porter Homes	2419 N Spring Hollow	Krug North 2nd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	
02/12/07	Nies Homes Inc	2502 N Spring Hollow	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Use Effective BMP Devices /	
02/12/07	Eric Sams & Leigh Ann Ablah	2506 N. Spring Hollow	Krug North 2nd												
02/12/07	Gary Cloud	2518 N Spring Hollow	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) / Failure to Repair BMP Devices /	
02/12/07	Larry & Sandy Nguyen	2517 N Spring Hollow	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
02/12/07	Craig Sharp Homes Inc	2522 N. Spring Hollow	Krug North 2nd	x					x						
02/12/07	Kyle & Tiffany Welk	13904 E Mainsgate Cr	Krug North 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
02/12/07	John & Linda McMillin	13812 E Mainsgate Cr	Krug North 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) / Failure to Repair BMP Devices /	
02/12/07	Jesus & Eliza Salinas	13808 E Mainsgate Cr	Krug North 2nd												
02/12/07	James J Trust C Hopper	13804 E Mainsgate Cr	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) / Failure to Repair BMP Devices /	
02/12/07	Joshua & Sara Jabara	13803 E Mainsgate Cr	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) / Failure to Repair BMP Devices /	
02/12/07	Hein Minh & Uyen Ghuy Tran	13807 E. Mainsgate Cr	Krug North 2nd	x						x					
02/12/07	Craig Sharp Homes Inc	13811 E Mainsgate Cr	Krug North 2nd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	
02/12/07	Phat H & Vy L Dinh	14009 E Mainsgate	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) / Failure to Repair BMP Devices /	
02/12/07	Anupam & Seema Khare	14013 E Mainsgate	Krug North 2nd	x						x					
02/12/07	Nies Homes Inc	14014 E Mainsgate	Krug North 2nd	x						x					
02/12/07	Youkyoung & Dongwoong Lee	14017 E Mainsgate	Krug North 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
02/12/07	Chestnut Ridge LLC	14018 E Mainsgate	Krug North 2nd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	
02/12/07	Kirk L & Janet Brown	14103 E Mainsgate	Krug North 2nd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
02/12/07	Adam & Melissa Petz	14104 E Mainsgate	Krug North 2nd												
02/12/07	Craig Sharp Homes Inc	14107 E Mainsgate	Krug North 2nd	x					x						
02/12/07	Alan T Pfeifer	14112 E Mainsgate	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	
02/12/07	Catherine Hartman	14116 E Mainsgate	Krug North 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
02/12/07	Jeffrey & Cynthia Johnson	14124 E Mainsgate	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	
02/12/07	Lynne Tanner	14102 E 24th Ct North	Krug North 2nd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
02/12/07	Michael & Christina Smith	2507 N Castle Rock	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	

SWR - Residential Construction Projects Stormwater Inspection List

Inspection Date	Contractor Name	Property Location	Subdivision	A	B.2	A.1	A.6	A.7	A.2	A.2	A.2	A.12	A	Notice of Violation Details	Compliance Date
02/12/07	Roger & Tuyet Ho	2502 N Castle Rock	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
02/12/07	Sandra & Guillermo Gasca	2503 N Castle Rock	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
02/12/07	Anthony & Lara Dilollo	2420 N. Castle Rock	Krug North 2nd	x						x					
02/12/07	Mohammed & Zartash Khan	14111 E 24th Ct North	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	
02/12/07	Barrett L & Kristin Trask	14115 E 24th Ct North	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
03/12/07	Alan Dennill	14119 E 24th Ct North	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
03/12/07	Luanne & Megan Damiris	14123 E 24th Ct North	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
03/12/07	Chestnut Ridge LLC	2506 N Quincy	Krug North 2nd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
03/12/07	Glass Homes Inc	2510 N Quincy	Krug North 2nd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
03/12/07	Porter Homes	2522 N Quincy	Krug North 2nd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
03/12/07	Craig Sharp Homes Inc	2510 N Springdale Cr	Krug North 2nd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
03/12/07	Zimbelman Const LLC	2514 N Springdale Cr	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
03/12/07	Jeremy & Polly Rolofson	2522 N Springdale Cr	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
03/12/07	Glen & Shelley Webb	2423 N Springdale Cr	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
03/12/07	William & Shao Sutherland	2419 N Springdale Cr	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
03/12/07	Keenon & Brandi Brinkley	2415 N. Springdale Cr	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
03/12/07	Laura Holloway	2426 N Springdale Cr	Krug North 2nd	x					x						
03/12/07	Christopher & Shannon Pierce	2411 N Springdale Cr	Krug North 2nd	x						x					
03/12/07	Rufus & Chastit Forrest	2422 N Springdale Cr	Krug North 2nd	x					x						
03/12/07	Christopher & Aimee Wilson	2414 N Springdale Cr	Krug North 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
03/12/07	Thomas & Glenda Miller	2407 N Springdale Cr	Krug North 2nd	x					x						
03/12/07	Wallace Mitchel	2403 N Springdale Cr	Krug North 2nd	x						x					
03/12/07	Michael & Elizabeth Cox	2402 N Springdale Cr	Krug North 2nd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
03/12/07	Paul & Julie Hamby	2406 N Springdale Cr	Krug North 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
03/12/07	Jason & Jill Bell	13925 E Ayesbury	Krug North 2nd	x						x					
03/12/07	Charles Reid	13921 E Ayesbury	Krug North 2nd	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
03/12/07	Saad Ehtisham	13909 E Ayesbury	Krug North 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
03/12/07	Nies Homes Inc	13814 E Camden Chase Cr	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
03/12/07	Cara Chennault-Reid	13721 E Camden Chase	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
03/12/07	Stephen & Lisa Payne	13706 E Camden Chase	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
03/12/07	Jim Goentzel Construction	13709 E Camden Chase	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
03/12/07	Nies Homes Inc	13703 E Camden Chase	Hawthorne 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
04/07/07	Perfection Builders	5320 S Ellis	Rivendale	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
04/07/07	Malone Construction	1302 E Mona	Rivendale	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
04/07/07	Malone Construction	1318 E Mona	Rivendale	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
04/07/07	Christopher & Kelly Bower	1506 E Mona	Rivendale	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
04/07/07	Malone Construction	1518 E Mona	Rivendale	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
04/07/07	Rivendale LLC	1618 E Mona	Rivendale	x		x									
04/07/07	Rivendale LLC	1611 E Mona	Rivendale	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
04/07/07	Malone Construction	1511 E Mona	Rivendale	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
04/07/07	Rivendale LLC	1507 E Mona	Rivendale	x		X								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
04/07/07	Malone Construction	1310 E Mona	Rivendale	X					x						
04/07/07	Rivendale LLC	1218 E Mona Circle	Rivendale	x		x									
04/07/07	Malone Construction	1210 E Mona Circle	Rivendale	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
04/07/07	Dawn Truelove	1206 E Mona Circle	Rivendale	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
04/07/07	JJB Properties LLC	1203 E Mona Circle	Rivendale	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
04/07/07	Malone Construction	1207 E Mona Circle	Rivendale	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
04/07/07	JJB Properties LLC	1211 E Mona Circle	Rivendale	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
04/07/07	Malone Construction	1215 E Mona Circle	Rivendale	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
04/07/07	Malone Construction	5311 S Pattie Court	Rivendale	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	

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Inspection Date	Contractor Name	Property Location	Subdivision	A	B.2	A.1	A.6	A.7	A.2	A.2	A.2	A.12	A	Notice of Violation Details	Compliance Date
04/07/07	Malone Construction	5315 S Pattie Court	Rivendale	x					x						
04/07/07	JJB Properties LLC	5319 S Pattie Circle	Rivendale	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
04/07/07	Tate Construction LLC	5323 S Pattie Court	Rivendale	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
04/07/07	Christopher & Kimberly Sawyer	5327 S Pattie Court	Rivendale	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
04/07/07	Heath Marx Homes	5343 S Pattie Court	Rivendale	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
04/07/07	Malone Construction	5347 S Pattie Court	Rivendale	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
05/07/07	Comfort Homes Inc	1406 N Decker	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
05/07/07	Jeremy & Ellinore Wolf	1414 N Decker	Copper Gate North	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices / Failure to Use Effective BMP Devices /	
05/07/07	Kimbery Soyez	1418 N Decker	Copper Gate North	x		x									
05/07/07	Don & Deandra Lubbers	1422 N Decker	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
05/07/07	Don Klausmeyer Const.	1426 N Decker	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
05/07/07	Comfort Homes Inc	1429 N Decker	Copper Gate North	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
05/07/07	Don Klausmeyer Const.	1430 N Decker	Copper Gate North	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
05/07/07	Comfort Homes Inc	1433 N Decker	Copper Gate North	x			x								
05/07/07	Marilyn Weidner	1434 N Decker	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
05/07/07	Montana Novaceck	1437 N Decker	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
05/07/07	Comfort Homes Inc	1441 N Decker	Copper Gate North	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
05/07/07	Amy D Mast	1506 N Decker	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
05/07/07	Michael & Shanna Zimmerman	1522 N Decker	Copper Gate North	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
05/07/07	Don Klausmeyer Const.	13703 W Kiwi	Copper Gate North	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
05/07/07	Comfort Homes Inc	13611 W Kiwi	Copper Gate North	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
05/07/07	Comfort Homes Inc	13710 W Kiwi	Copper Gate North	x			x								
05/07/07	Comfort Homes Inc	13714 W Kiwi	Copper Gate North	x			x								
05/07/07	Kick N Development	13722 W Kiwi	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
05/07/07	Brandon & Kimberly Endicott	13814 W Kiwi	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Destruction of BMP Devices /	
05/07/07	Matthew Brayfield	1527 N Aksarben	Copper Gate North	x		x									
05/07/07	Don Klausmeyer Const.	1520 N Aksarben	Copper Gate North	x				x						Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
05/07/07	Don Klausmeyer Const.	1516 N Aksarben	Copper Gate North	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
05/07/07	Don Klausmeyer Const.	1504 N Aksarben	Copper Gate North	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
05/07/07	Comfort Homes Inc	1440 N Aksarben	Copper Gate North	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
05/07/07	Comfort Homes Inc	1417 N Arsarben	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
05/07/07	Don Klausmeyer Const.	1413 N Aksarben	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
05/07/07	Don Klausmeyer Const.	1409 N Aksarben	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
05/07/07	Don Klausmeyer Const.	1415 N Aksarben	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
05/25/07	Bill H. Otten III	1742 S Triple Crown	Equestrian Estates	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/01/07
05/25/07	Isham Builders Inc	1905 S Triple Crown	Equestrian Estates	x			x		x						06/01/07
05/25/07	Sharp Construction	1801 S. Triple Crown	Equestrian Estates	x			x		x						06/01/07
05/25/07	Buckert Contracting Inc	12638 Zimmerly Ct	Timberlands	x			x			x					06/01/07
05/25/07	Chestnut Ridge LLC	14022 E 24th North	Krug North 2nd	x			x								06/22/07
06/05/07	Cory Lee Faulkender	14200 W Onewood Place	Auburn Hills 14th	x		x									06/13/07
06/05/07	Christopher R. Friend	14200 W Onewood Place, #15	Auburn Hills 14th	x		x									06/13/07
06/05/07	Lies Bugner Construction	1510 S. Auburn Hills Ct	Auburn Hills 15th	x			x								06/13/07
06/05/07	Womack Homes of Kansas Inc	14200 W Onewood Place, #13	Auburn Hills 14th	x			x			x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/13/07
06/05/07	West Wichita Development Inc	13814 W Onewood Place	Auburn Hills 13th											Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	
06/05/07	Mike George Homes Inc	13901 W. Onewood Place	Auburn Hills 13th											Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	
06/05/07	June Yong	14211 W Onewood Place	Auburn Hills 13th											Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	

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06/07	Randy Ketzner Const.	1514 S Auburn Hills Ct	Auburn Hills 15th												
06/12/07	ITJ Investments	501 N Jaax	Bay Country	x			x								06/22/07
06/12/07	ITJ Investments	502 N Jaax	Bay Country	x			x								06/22/07
06/12/07	ITJ Investments	12521 W Binter	Bay Country	x			x								06/22/07
06/12/07	ITJ Investments	12517 W Binter	Bay Country	x			x								06/22/07
06/12/07	Moeder Construction	4545 S Doris Ct	Gray's 5th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
06/12/07	Gray's Construction	4407 S Doris	Gray's 5th	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/22/07
06/12/07	Gray's Construction	4456 S Doris Ct	Gray's 5th	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/22/07
06/12/07	Gray's Construction	4444 S Doris Ct	Gray's 5th	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/22/07
06/12/07	Gray's Construction	4538 S Doris Ct	Gray's 5th	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/22/07
06/12/07	Gray's Construction	4512 S Flora	Gray's 5th	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/22/07
06/12/07	Trinity Point LLC	4415 S Doris	Gray's 5th	x			x			x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/22/07
06/12/07	Trinity Point LLC	5250 W 44th Court South	Gray's 5th	x			x		x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/22/07
06/13/07	Chestnut Ridge LLC	Lot 25, Block A, Krug North 2nd Addn	Krug North 2nd	x			x								06/22/07
06/13/07	Craig Sharp Homes Inc	2506 N. Castle Rock	Krug North 2nd	x			x		x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	06/22/07
06/13/07	Porter Homes	2414 N. Castle Rock	Krug North 2nd	x			x		x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/22/07
06/13/07	Ink Drumright Builders Inc	14009 E Peppertree St	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/22/07
06/14/07	Lariat Const Co LLC	2417 S Lark	Southern Ridge 2nd												
06/14/07	Lariat Const Co LLC	10914 Atlanta Circle	Southern Ridge 2nd	x			x								06/27/07
06/14/07	Lariat Const Co LLC	2410 S. Lark	Southern Ridge 2nd												
06/14/07	Lorene B Magee	2318 S. Milstead	Flat Creek	x		x				x					06/27/07
06/14/07	Don Klausmeyer Const.	12201 W Grant	Turkey Creek 2nd	x			x		x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/27/07
06/14/07	Don Klausmeyer Const.	12205 W Grant	Turkey Creek 2nd												
06/14/07	Comfort Homes	12209 W Grant	Turkey Creek 2nd	x			x								06/27/07
06/14/07	Comfort Homes	2218 S Upland Hills	Turkey Creek 2nd	x			x								06/27/07
06/14/07	Comfort Homes	2222 S Upland Hills	Turkey Creek 2nd	x			x			x				Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/27/07
06/14/07	Comfort Homes	2207 S Upland Hills	Turkey Creek 2nd	x			x			x					06/27/07
06/14/07	Comfort Homes	2206 S Upland Hills	Turkey Creek 2nd	x			x								06/27/07
06/14/07	Turkey Creek LLC	2129 S Upland Hills	Turkey Creek 2nd	x			x								06/27/07
06/14/07	Stanley J Youngers Jr	2120 S Upland Hills	Turkey Creek 2nd	x		x				x				Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/27/07
06/14/07	Comfort Homes	2121 S Upland Hills	Turkey Creek 2nd	x		x				x					06/27/07
06/14/07	Don Klausmeyer Const.	2105 S upland Hills	Turkey Creek 2nd	x			x								06/27/07
06/14/07	Comfort Homes	12106 W Jewell	Turkey Creek 2nd	x			x								06/27/07
06/14/07	Heroes Sports Bar	117 N. Mosley	East Wichita	X										Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/21/07
06/14/07	Emmerson Biggins	800 E Douglas	East Wichita	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/21/07
06/14/07	James Catron Construction	10914 Atlanta Circle	Southern Ridge 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/01/07
06/15/07	Don Klausmeyer Const.	10005 E Stafford	Brentwood South												
06/15/07	Don Klausmeyer Const.	10022 Stafford Ct	Brentwood South	x			x			x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/27/07
06/15/07	Ultimate Homes Inc	10014 Stafford Ct	Brentwood South	x			x		x						06/27/07
06/15/07	Don Klausmeyer Const.	10105 Stafford	Brentwood South	x			x		x						06/27/07
06/15/07	Brentwood Development Inc	10113 Stafford Ct	Brentwood South	x			x			x					06/27/07
06/15/07	Tri C Le and Cindy Bui	10115 E Stafford Ct	Brentwood South												
06/15/07	Kosal Chhoeun	10201 E Stafford Ct	Brentwood South	x		x			x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/27/07
06/15/07	Brentwood Development Inc	10213 E Stafford Ct	Brentwood South	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/27/07
06/15/07	Leland E Hunt	10217 E Stafford Ct	Brentwood South											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	

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06/15/07	Ultimate Homes Inc	10225 E Stafford Ct	Brentwood South	x					x						06/27/07
06/15/07	Sau Nguyen	10229 E Stafford Ct	Brentwood South	x		x			x						06/27/07
06/15/07	Binh Minh Tran	10233 E Stafford Ct	Brentwood South												
06/15/07	Day Van Huynh	10110 E Stafford St	Brentwood South	x		x			x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/27/07
06/15/07	Thu Thuy Nguyen	10106 E Stafford St	Brentwood South	x		x			x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/27/07
06/15/07	Ultimate Homes Inc	2212 S Stoneybrook St	Brentwood South												
06/15/07	Don Klausmeyer Const.	2221 S Stoneybrook St	Brentwood South	x			x		x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/27/07
06/15/07	Jorge Montoya Blas	2225 S Stoneybrook Ct	Brentwood South	x		x			x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/27/07
06/15/07	Jorge Montoya Blas	2229 S Stoneybrook Ct	Brentwood South											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
06/15/07	Margaret E Spain Clark	2233 S Stoneybrook Ct	Brentwood South											Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	
06/15/07	Lee Copeland	10109 E Kinkaid	Brentwood South	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/27/07
06/15/07	Clint Miller Homes	10113 E Kinkaid Cir	Brentwood South	x			x		x						06/27/07
06/15/07	Cheryl Moye	10117 E Kinkaid Cir	Brentwood South	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	06/27/07
06/15/07	Don Klausmeyer Const.	10243 E Stafford St	Brentwood South												
06/15/07	Don Klausmeyer Const.	10239 E Stafford St	Brentwood South											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
06/15/07	Clint Miller Homes	10116 E Stafford St	Brentwood South	x			x		x						06/27/07
06/15/07	Brentwood Development Inc	Lot 9, Block 6, Brentwood South	Brentwood South	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/27/07
06/15/07	Ultimate Homes Inc	10014 Stafford Ct	Brentwood South	x			x		x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	07/24/07
06/15/07	Ultimate Homes Inc	10225 E Stafford Ct	Brentwood South	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	07/24/07
06/15/07	Lee Copeland	10109 E Kinkaid	Brentwood South	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	08/06/07
06/19/07	Don Mertens Custom Homes	13910 W Taylor Circle	Highland Springs 3rd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/27/07
06/19/07	Fahsholtz Construction Inc	14006 W Taylor Circle	Highland Springs 3rd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/27/07
06/19/07	Fahsholtz Construction Inc	14012 W Taylor Circle	Highland Springs 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	
06/19/07	Kelsey Development Inc	14018 W Taylor Circle	Highland Springs 3rd	x			x		x						06/27/07
06/19/07	Michael T Kelly	5906 Pembrook	Courts II	x		x									06/27/07
06/19/07	Relph Construction Inc	5902 Pembrook	Courts II	x			x								06/27/07
06/19/07	Relph Construction Inc	5927 Pembrook Circle	Courts II	x			x								06/27/07
06/19/07	Relph Construction Inc	2625 N Edgemoore	Courts II	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	06/27/07
06/19/07	Relph Construction Inc	2629 N Edgemoore	Courts II	x			x								06/27/07
06/26/07	Done Savanath	726 S Leeanne Circle	Fawn Grove at Sunset Lakes	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/09/07
06/26/07	Ben & Maxine Brehon	722 S Leeanne Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/09/07
06/26/07	Clear Creek Properties Inc	718 S Leeanne Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/09/07
06/26/07	Leticia Velasco Valenzuela	720 S Smithmoor Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/09/07
06/26/07	Denise R Johnson	711 S Smithmoor Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/09/07
06/26/07	Fawn Grove Properties Inc	715 S Smithmoor Circle	Fawn Grove at Sunset Lakes	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/09/07
06/26/07	Fawn Grove Properties Inc	719 S Smithmoor Circle	Fawn Grove at Sunset Lakes	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/09/07
06/26/07	Lien My Troung	731 S Smithmoor Circle	Fawn Grove at Sunset Lakes											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
06/26/07	Fawn Grove Properties Inc	732 S Smithmoor Circle	Fawn Grove at Sunset Lakes											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
06/26/07	Fawn Grove Properties Inc	736 S Smithmoor Circle	Fawn Grove at Sunset Lakes											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
06/26/07	John & Sara Schabel	735 S. Smithmoor Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/09/07
06/26/07	Selecia A Griffin	10809 E Fawn Grove	Fawn Grove at Sunset Lakes											Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	
06/26/07	Michael McAfoos	10719 E Fawn Grove	Fawn Grove at Sunset Lakes											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	

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06/26/07	Fawn Grove Properties Inc	10715 E Fawn Grove	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	07/09/07
06/26/07	Mark & Jessie Sterling	2221 S Stoneybrook St	Brentwood South	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Fawn Grove Properties Inc	734 S Chateau Circle	Fawn Grove at Sunset Lakes											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
06/26/07	Clint Miller Homes	730 S Chateau Circle	Fawn Grove at Sunset Lakes	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Clint Miller Homes	726 S Chateau Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/10/07
06/26/07	Fawn Grove Properties Inc	722 S Chateau Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Fawn Grove Properties Inc	718 S Chateau Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Fawn Grove Properties Inc	714 S Chateau Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Angelique Byrd/Maxine Jiggets	710 S Chateau Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Clint Miller Homes	717 S Chateau Circle	Fawn Grove at Sunset Lakes	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	07/10/07
06/26/07	Clint Miller Homes	721 S Chateau Circle	Fawn Grove at Sunset Lakes	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	07/10/07
06/26/07	Clint Miller Homes	725 S Chateau Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Tinh H Le	729 S Chateau Circle	Fawn Grove at Sunset Lakes	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Amenda Vo	10711 E Fawn Grove	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	07/10/07
06/26/07	Aaron M. Jennings	10637 E Fawn Grove	Fawn Grove at Sunset Lakes											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
06/26/07	Clear Creek Properties Inc	10635 E Fawn Grove	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/10/07
06/26/07	Henry & Patricia Rivera	10629 E Fawn Grove	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Thomas Atambo	10642 E Fawn Grove	Fawn Grove at Sunset Lakes											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
06/26/07	Steven & Mary Korte	10621 E Fawn Grove	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/10/07
06/26/07	Fawn Grove Properties Inc	10617 E Fawn Grove	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Clint Miller Homes	10626 E Fawn Grove	Fawn Grove at Sunset Lakes											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
06/26/07	Clint Miller Homes	10622 E Fawn Grove	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/10/07
06/26/07	Clint Miller Homes	10618 E Fawn Grove	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/10/07
06/26/07	Mario N. Phillips	10609 E Fawn Grove	Fawn Grove at Sunset Lakes											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
06/26/07	Delbry Development LLC	6127 E Oxford St	Ironhorse at Oxford	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/10/07
06/26/07	Leewood Homes Inc	6208 E Oxford St	Ironhorse at Oxford	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Leewood Homes Inc	6210 E Oxford St	Ironhorse at Oxford	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	07/10/07
06/26/07	Leewood Homes Inc	6214 E Oxford St	Ironhorse at Oxford	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	07/10/07
06/26/07	Leewood Homes Inc	6218 E Oxford St	Ironhorse at Oxford	x					x					Illegal Discharge / Illegal Dumping into SSS / Destruction of BMP Devices /	07/10/07
06/26/07	Leewood Homes Inc	6220 E Oxford St	Ironhorse at Oxford	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/10/07
06/26/07	Leewood Homes Inc	6222 E Oxford St	Ironhorse at Oxford	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/10/07
06/26/07	Leewood Homes Inc	6224 E Oxford St	Ironhorse at Oxford	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/10/07
06/26/07	Leewood Homes Inc	6226 E Oxford St	Ironhorse at Oxford	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Mulligans Inc.	6120 E Ironhorse	Ironhorse at Oxford	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07
06/26/07	Mulligans Inc.	6122 E Ironhorse	Ironhorse at Oxford	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/10/07

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Inspection Date	Contractor Name	Property Location	Subdivision	A	B.2	A.1	A.6	A.7	A.2	A.2	A.2	A.12	A	Notice of Violation Details	Compliance Date
06/28/07	Mesa Homes Inc	2936 N Pepper Ridge Ct	Fossil Rim	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	07/11/07
06/28/07	Craig Sharp Homes Inc	1733 S Triple Crown Ct	Equestrian Estates	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	07/11/07
06/28/07	Susan B & Rufas Forrest	1801 S Triple Crown St	Equestrian Estates	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	07/11/07
06/28/07	Lynzee & Scott Bleier	13216 E Equestrian Ct	Equestrian Estates											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	
06/28/07	Errol & Mary Root	13208 E Equestrian Cr	Equestrian Estates											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Use Effective BMP Devices /	
06/28/07	Relph Construction Inc	13407 E Mt Vernon	Sierra Hills	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/11/07
06/28/07	Otten Homes	13411 E Mt Vernon	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
06/28/07	Buckert Contracting Inc	13510 E Mt Vernon	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
06/28/07	Buchert Contracting Inc	13210 E Mt Vernon	Sierra Hills	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/11/07
06/28/07	Cherrywood Construction Inc	13206 E Mt Vernon	Sierra Hills	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Use Effective BMP Devices /	07/11/07
06/28/07	Tara Builders Inc	2007 S Horseback	Sierra Hills	x			x								07/11/07
06/28/07	Tara Builders Inc	12905 E Cherry Creek St	Sierra Hills												
06/28/07	Tara Builders Inc	12806 E Cherry Creek St	Sierra Hills	x					x						07/11/07
06/28/07	Lee & Carol Copeland	10109 E Kinkaid	Bentwood South	x						x					07/11/07
06/28/07	Palladio Developers Inc	13202 E Mt Vernon	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
06/28/07	Tara Builders Inc	13101 E Cherry Creek St	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
06/28/07	Slavi & Chris Georgiev	13017 E Cherry Creek St	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
06/28/07	Relph Construction Inc	13005 E Cherry Creek St	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
06/28/07	Buckert Contracting Inc	13013 E Cherry Creek St	Sierra Hills	x			x								07/11/07
07/03/07	Farrell Construction Co Inc	3237 Bluelake Court	Blue Lake											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
07/03/07	Moeder Construction LLC	3229 S Bluelake Ct	Blue Lake											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
07/03/07	Joseph & Adrian Wright	3201 S Bluelake Ct	Blue Lake	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/24/07
07/03/07	John D Bianco	3223 Bluelake Ct	Blue Lake	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	07/24/07
07/03/07	Moeder Construction LLC	3225 S Bluelake Ct	Blue Lake											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
07/03/07	Ethel Sauder	3201 S Bolin Dr	Blue Lake											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Use Effective BMP Devices /	
07/03/07	M Donna Miville	3209 S Bolin Dr	Blue Lake											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) / Failure to Repair BMP Devices /	
07/03/07	S & C Gellar Homes Inc	3401 S Sabin Ct	Blue Lake											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
07/03/07	H & H Homebuilders Inc.	3239 Bluelake Ct	Blue Lake											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
07/03/07	Gary R Tillman & Linda Roach	3218 S Bluelake St	Blue Lake												
07/03/07	Joseph & Adrian Wright	3201 S Bluelake Ct	Blue Lake	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/01/07
07/25/07	Socora Homes Inc.	3011 N Covington Ct	Fontana											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
07/25/07	Socora Homes Inc.	11343 W Fontana Ct	Fontana 2nd	x		x									08/06/07
07/25/07	Socora Homes Inc.	3137 N Landon Cr	Fontana											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
07/25/07	Socora Homes Inc.	3133 N Landon	Fontana	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/06/07
07/25/07	Socora Homes Inc.	3129 N Landon	Fontana	x					x						08/06/07
07/25/07	Socora Homes Inc.	3134 N Landon Cr	Fontana	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/06/07
07/25/07	Socora Homes Inc.	3130 N Landon Cr	Fontana											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
07/25/07	Socora Homes Inc.	3109 N Landon Cr	Fontana	x		x									08/06/07
07/25/07	Socora Homes Inc.	2930 N Parkdale Ct	Evergreen 5th	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/06/07
07/25/07	Socora Homes Inc.	2934 N Parkdale Ct	Evergreen 5th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
07/25/07	Fai & Fanny Chan	2954 N Parkdale Ct	Evergreen 5th												
07/25/07	Socora Homes Inc.	2909 N Parkdale Ct	Evergreen 5th	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/06/07
07/25/07	Socora Homes Inc.	2926 N Parkdale	Evergreen 5th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
07/25/07	Charles F Hinson	11002 W Lantana Cr	Evergreen 4th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
07/25/07	Mei Xiang Liu	11008 W Lantana Cr	Evergreen 4th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
07/25/07	Joseph & Carrie Couture	11014 W Lantana Cr	Evergreen 4th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
07/25/07	Socora Village	11007 W Lantana Cr	Evergreen 4th	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/06/07
07/25/07	Socora Village	10902 W Lantana Cr	Evergreen 4th											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
07/25/07	Socora Homes Inc.	10804 W Lantana St	Evergreen 4th											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
07/25/07	Socora Village	10815 Bristlecone	Evergreen 4th	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/06/07
07/25/07	Socora Homes Inc.	10908 Bristlecone	Evergreen 4th	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/06/07

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07/25/07	Socora Village	11102 Bristlecone	Evergreen 4th	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/06/07
07/25/07	West Wichita Development Inc	13814 W Onewood	Auburn Hills 13th											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
07/25/07	West Wichita Development Inc	13914 W Onewood	Auburn Hills 13th											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
07/25/07	Mike George Homes Inc	13901 W Onewood	Auburn Hills 13th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
07/25/07	June & Wenzhu Yong	14211 W Onewood	Auburn Hills 13th												
07/25/07	Lance & Melissa Dell	14302 W Ocala Ct	Auburn Hills 15th												
07/25/07	Bruce & Linda Stubbs	14318 W Ocala Ct	Auburn Hills 15th											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
07/25/07	Randy Ketzner Const.	1514 S Auburn Hills Ct	Auburn Hills 15th	x					x						08/06/07
07/25/07	Randolph Degenhardt	13441 W Links Lane	Auburn Hills 9th	x					x						08/06/07
07/25/07	West Wichita Development Inc	501 S Nineiron	Auburn Hills 14th	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/06/07
07/25/07	C Ryan & Morgan Gering	513 S Nineiron	Auburn Hills 14th	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/06/07
07/25/07	West Wichita Development Inc	14101 W Valley Hi	Auburn Hills 12th											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
07/25/07	Blue Custom Homes LLC	14105 W Valley Hi	Auburn Hills 12th	x											08/06/07
07/25/07	Andrea Grayer	14109 W Valley Hi	Auburn Hills 12th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
07/25/07	Chris & Sara Brown	13917 W Taft	Auburn Hills 12th											Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	
07/25/07	Bob Cook Homes	14402 W Sheriac Cr	Shadow Woods	x											08/06/07
07/25/07	Jeffry & Roxanne Filby	14506 W Sheriac Cr	Shadow Woods	x											08/06/07
07/25/07	Maple Group LLC	14513 W Sheriac Cr	Shadow Woods	x											08/06/07
07/25/07	Glenn & Jennifer Barber	14006 W Texas Cr	Shadow Woods												
07/25/07	Bob Cook Homes LLC	14114 W Texas Cr	Shadow Woods	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/06/07
07/25/07	Moeder Construction LLC	14106 W Cavit	Shadow Woods	x											08/06/07
07/25/07	Jamie & Marcia Rodriguez	14107 W Cavit	Shadow Woods												
07/25/07	Maple Group LLC	13903 W Texas	Shadow Woods	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/06/07
07/25/07	Maple Group LLC	13818 W Texas Ct	Shadow Woods	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/06/07
07/25/07	Moeder Construction LLC	13702 W Texas	Shadow Woods	x											08/06/07
07/25/07	Kristopher & Alicia Bell	13614 W Texas	Shadow Woods												
07/25/07	Maple Group LLC	13610 W Texas	Shadow Woods	x					x						08/06/07
07/25/07	Niedens & Associates LLC	3550 N Lake Ridge Ct	Tylers Landing 3rd	x			x								08/15/07
07/26/07	Wesley Becker	3428 N Lake Ridge Ct	Tylers Landing 2nd	x											08/08/07
07/26/07	Galen & Christy Werth	3510 N Lake Ridge Ct	Tylers Landing 2nd	x											08/08/07
07/26/07	Danahy Construction Inc	3526 N Lake Ridge Ct	Tylers Landing 2nd	x											08/08/07
07/26/07	Finish Carpentry Inc	3542 N Lake Ridge Ct	Tylers Landing 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
07/26/07	Niedens & Associates LLC	3550 N Lake Ridge Ct	Tylers Landing 3rd	x											08/08/07
07/26/07	BGS Companies Inc.	3548 N Forest Ridge Ct	Tylers Landing 3rd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	08/08/07
07/26/07	Sedgwick Ventures LLC	3603 N Forest Ridge Ct	Tylers Landing 3rd	x					x						08/08/07
07/26/07	Finish Carpentry Inc	3656 N Forest Ridge Ct	Tylers Landing 3rd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
07/26/07	Dan Madrigal	3612 N Forest Ridge Ct	Tylers Landing 3rd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/08/07
07/26/07	Buckert Contracting Inc	3652 N Forest Ridge Ct	Tylers Landing 3rd	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/08/07
07/26/07	Danahy Construction Inc	3640 N Forest Ridge Ct	Tylers Landing 3rd	x											08/08/07
07/26/07	Danahy Construction Inc	3628 N Forest Ridge Ct	Tylers Landing 3rd	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	08/08/07
07/26/07	P3 Construction Inc.	3615 N Forest Ridge St	Tylers Landing 3rd	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/08/07
07/26/07	Danahy Construction Inc	3623 N Forest Ridge St	Tylers Landing 3rd	x											08/08/07
07/26/07	Danahy Construction Inc	3619 N Forest Ridge St	Tylers Landing 3rd	x											08/08/07
07/26/07	Jason D Miller	3686 N Forest Ridge Ct	Tylers Landing 3rd											Illegal Discharge / Illegal Dumping into SSS /	
07/26/07	Lindsay & Matt Molina	8307 W Conrey Ct	Tylers Landing 3rd	x											08/08/07
07/26/07	Ernie & Peggy Kumpe	8311 W Conrey Ct	Tylers Landing 3rd	x											08/08/07
07/26/07	Ernie & Peggy Kumpe	8315 W Conrey Ct	Tylers Landing 3rd	x											08/08/07
07/26/07	Robert & Leah Moore	8335 W Conrey Ct	Tylers Landing 3rd	x					x						08/08/07
07/26/07	Vincent & Teresa Gerace	8331 W Conrey Ct	Tylers Landing 3rd	x					x					Illegal Discharge / Illegal Dumping into SSS /	08/08/07

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07/26/07	Randy Ketzner Const.	3223 Grey Meadow	Fox Ridge	x						x					08/08/07
07/26/07	Lifestyle Homes Group Inc	3227 Grey Meadow	Fox Ridge												
07/26/07	McClellan Homes	3231 Grey Meadow	Fox Ridge											Illegal Discharge / Illegal Dumping into SSS /	
07/26/07	Robl Construction inc	3235 Grey Meadow	Fox Ridge	x					x					Illegal Discharge / Illegal Dumping into SSS /	08/08/07
07/26/07	Legacy Homes Inc.	3230 N Flat Creek	Fox Ridge											Illegal Discharge / Illegal Dumping into SSS /	
07/26/07	Fox Ridge Development Co	10204 Westlakes Ct	Fox Ridge	x											08/08/07
07/26/07	McClellan Homes	10022 W Westlakes Ct	Fox Ridge												
07/26/07	Fox Ridge Development Co	10018 W Westlakes Ct	Fox Ridge	x					x						08/08/07
07/26/07	Seth & Ariane Spangler	10014 W Westlakes Ct	Fox Ridge												
07/26/07	Leon & Amy Quandt	3016 Den Hollow Circle	Fox Ridge												
07/26/07	Craig Stuart Homes Inc	3012 N Den Hollow Cricle	Fox Ridge	x											08/08/07
07/26/07	Larry & Barbara Bottenberg	3124 N Den Hollow	Fox Ridge	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/08/07
07/26/07	DOA Companies	3443 Valerie	Tylers Landing	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/08/07
07/26/07	DOA Companies	3431 Valerie	Tylers Landing	x										Illegal Discharge / Illegal Dumping into SSS /	08/08/07
07/26/07	Randy Dean Construction	8606 W 34th North	Tylers Landing	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/08/07
07/26/07	Robert & Holly Tanner	8207 W 34th North	Tylers Landing 2nd	x						x					08/08/07
07/26/07	Michael & Tiffiney Pretrzak	8010 W Lang	Tylers Landing 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS /	08/08/07
07/26/07	Tate Construction LLC	8011 W Lang	Tylers Landing 2nd	x											08/08/07
07/26/07	Troy & Christina Workman	8006 W Lang	Tylers Landing 2nd	x											08/08/07
07/26/07	Long H Le	8007 W Lang	Tylers Landing 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS /	08/08/07
07/26/07	Legacy Homes Inc.	8003 W Lang Circle	Tylers Landing 2nd											Illegal Discharge / Illegal Dumping into SSS /	
07/26/07	Joseph & Misti Burch	3474 N Lake Ridge Ct	Tylers Landing 2nd	x										Illegal Discharge / Illegal Dumping into SSS /	08/08/07
07/26/07	Tate Construction LLC	3440 N Lake Ridge Ct	Tylers Landing 2nd	x											08/08/07
07/26/07	Niedens & Associates LLC	3517 N Forest Ridge St	Tylers Landing 3rd	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/08/07
07/26/07	M & S Trim & Leisure Homes	3590 N Forest Ridge St	Tylers Landing 3rd											Illegal Discharge / Illegal Dumping into SSS /	
07/26/07	Don Klausmeyer Const.	3525 N Forest Ridge	Tylers Landing 3rd												
07/26/07	Don Klausmeyer Const.	3529 N Forest Ridge	Tylers Landing 3rd	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/08/07
07/26/07	McClellan Homes	9934 W Westlakes Ct	Fox Ridge											Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	
07/26/07	Legacy Homes Inc.	9906 W Westlakes Ct	Fox Ridge											Illegal Discharge / Illegal Dumping into SSS /	
07/26/07	Jason & Carly Stamper	9942 W Westlakes Ct	Fox Ridge												
07/26/07	Niedens & Associates LLC	3517 N Forest Ridge St	Tylers Landing 3rd	X			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/10/07
07/26/07	Niedens & Associates LLC	3517 N Forest Ridge St	Tylers Landing 3rd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/15/07
08/02/07	Kelley & Coleman Inc	1323 N Doris	Steve Kelley 5th	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	08/10/07
08/02/07	Lowell & Geri Nicholson	1311 N Doris	Steve Kelley 5th	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/10/07
08/02/07	Kelley & Coleman Inc	1307 N Doris	Steve Kelley 5th	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/10/07
08/02/07	Kelley & Coleman Inc	1308 N Doris	Steve Kelley 5th	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/10/07
08/02/07	Kelley & Coleman Inc	1304 N Doris	Steve Kelley 5th	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/10/07
08/02/07	Kelley & Coleman Inc	1311 N Clara	Steve Kelley 5th	x			x								08/10/07
08/02/07	Sheldon Doggett	1304 N Clara	Steve Kelley 5th	x		x								Illegal Discharge / Illegal Dumping into SSS /	08/10/07
08/10/07	Mullin Inc	8111 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/21/07
08/10/07	Mullin Inc	8110 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/21/07
08/10/07	Mullin Inc	8114 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/21/07
08/10/07	Mullin Inc	8115 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/21/07
08/10/07	Mullin Inc	8118 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/21/07
08/10/07	Mullin Inc	8122 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/21/07
08/10/07	Mullin Inc	8202 W. Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/21/07

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08/10/07	Mullin Inc	8205 W Thurman	English Country Gardens	x			x								08/21/07
08/10/07	Mullin Inc	8206 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/21/07
08/10/07	Mullin Inc	8209 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/21/07
08/10/07	Mullin Inc	8210 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/21/07
08/10/07	Mullin Inc	8213 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/21/07
08/10/07	Mullin Inc	8214 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/21/07
08/10/07	Mullin Inc	8218 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	08/21/07
08/10/07	Mullin Inc	8217 W Thurman	English Country Gardens	x			x								08/21/07
08/10/07	Mullin Inc	8221 W Thurman	English Country Gardens	x			x								08/21/07
08/10/07	Mullin Inc	8306 W Thurman	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/21/07
08/10/07	Mullin Inc	8310 W Thurman	English Country Gardens	x			x								08/21/07
08/10/07	Ernestine Johnson	1537 N Reca	English Country Gardens	x		x								Illegal Discharge / Illegal Dumping into SSS /	08/21/07
08/10/07	Mullin Inc	1541 N Reca	English Country Gardens	x			x								08/21/07
08/10/07	Mullin Inc	1533 N Reca	English Country Gardens	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/21/07
08/10/07	Mullin Inc	1529 N Reca	English Country Gardens	x			x								08/21/07
08/10/07	Mullin Inc	1525 N Reca	English Country Gardens	x			x								08/21/07
08/20/07	Goertz Homes Inc.	4302 N Ironwood	Willowbend 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/30/07
08/20/07	Jack & Shelley Johnson	8131 Mulberry	Willowbend 9th	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/30/07
08/20/07	GSA Inc	8629 E Scragg St	Sawmill Creek											Illegal Discharge / Illegal Dumping into SSS /	
08/20/07	Castlewood Homes Inc.	8622 E Scragg St	Sawmill Creek	x					x					Illegal Discharge / Illegal Dumping into SSS /	08/30/07
08/20/07	Legacy Homes Inc.	8633 E Scragg St	Sawmill Creek											Illegal Discharge / Illegal Dumping into SSS /	
08/20/07	Hartwood Homes Inc	8730 E Blade	Sawmill Creek											Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	
08/20/07	Sawmill Creek LLC	8701 E Millrun	Sawmill Creek	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/30/07
08/20/07	Castlewood Homes Inc.	8706 E Millrun	Sawmill Creek	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/30/07
08/20/07	Castlewood Homes Inc.	8614 E Millrun	Sawmill Creek	x			x							Illegal Discharge / Illegal Dumping into SSS /	08/30/07
08/20/07	Castlewood Homes Inc.	8517 E Millrun	Sawmill Creek											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
08/20/07	Charles & Barbara Rotramel	4509 Cherry Hill	Willowbend North Est	x						x					08/30/07
08/21/07	Lariat Construction Co	10902 W Hadden	Southern Ridge 2nd												08/31/07
08/21/07	Lariat Construction Co	10906 W Hadden	Southern Ridge 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	08/31/07
08/21/07	Lariat Construction Co	11008 W Hadden Circle	Southern Ridge 2nd												08/31/07
08/22/07	Tara Builders Inc	12806 E Cherry Creek St	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS /	
08/22/07	Tara Builders Inc	12905 E Cherry Creek St	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS /	
08/22/07	Tara Builders Inc	2007 Horseback	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/22/07	Relph Construction Inc	13005 E Cherry Creek	Sierra Hills	x			x								08/31/07
08/22/07	Buckert Contracting Inc	13013 E Cherry Creek St	Sierra Hills												
08/22/07	Slavi & Chris Georgiev	13017 E Cherry Creek St	Sierra Hills	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Tara Builders Inc	13101 E Cherry Creek St	Sierra Hills												
08/22/07	Relph Construction Inc	2025 Sierra Hills	Sierra Hills	x			x								08/31/07
08/22/07	Chi & Vien McKanlam	2021 Sierra Hills	Sierra Hills												

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Inspection Date	Contractor Name	Property Location	Subdivision	A	B.2	A.1	A.6	A.7	A.2	A.2	A.2	A.12	A	Notice of Violation Details	Compliance Date
08/22/07	Palladio Developers Inc	2017 Sierra Hills	Sierra Hills	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Relph Construction Inc	2001 Sierra Hills	Sierra Hills	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Cherrywood Construction Inc	13206 E Mt Vernon	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/22/07	Buchert Contracting Inc	13210 E Mt Vernon	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
08/22/07	Relph Construction Inc	13302 E Mt Vernon	Sierra Hills	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Francois & Thuy Tran	2126 S Triple Crown	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/22/07	Robert & Kasey Diehl	2113 Sierra Hills	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/22/07	Relph Construction Inc	13407 E Mt Vernon	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/22/07	Otten Homes Inc.	13411 E Mt Vernon	Sierra Hills	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	08/31/07
08/22/07	Victoria Homes	13533 E Mt Vernon	Sierra Hills	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Buckert Contracting Inc	13510 E Mt Vernon	Sierra Hills											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/22/07	Otten Homes Inc.	13405 E Equestrian Circle	Equestrian Estates	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Otten Homes Inc.	13413 E Equestrian Circle	Equestrian Estates											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/22/07	Lynzee & Scott Bleier	13216 E Equestrian Cir	Equestrian Estates	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Errol & Mary Root	13208 E Equestrian Cr	Equestrian Estates	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Isham Builders Inc	1905 Triple Crown	Equestrian Estates											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/22/07	Stovall Construction LLC	13403 E Mustang Circle	Equestrian Estates											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/22/07	Otten Homes Inc.	13529 E Mustang	Equestrian Estates	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Isham Builders Inc	13502 Mustang	Equestrian Estates	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Susan & Rufas Forrest	1801 S Triple Crown St	Equestrian Estates	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Bill & Charlotte Otten	1742 S Triple Crown	Equestrian Estates	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Craig Sharp Homes Inc	1733 S Triple Crown Ct	Equestrian Estates	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Stovall Construction LLC	13553 E Buckskin	Equestrian Estates											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/22/07	Melissa Ann Harwood	11019 Fawn Grove	Fawn Grove at Sunset Lakes	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Brian & Ngan Nguyen	714 S Leeanne Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Prathoummma Vongkaysme	713 S Leeanne Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Lien My Truong	731 S Smithmoor Circle	Fawn Grove at Sunset Lakes											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/22/07	Francisco J Vasquez	719 S Smithmoor Circle	Fawn Grove at Sunset Lakes	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	08/31/07
08/22/07	Latrisha Finch	715 S Smithmoor Circle	Fawn Grove at Sunset Lakes	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Denise & Jackie Johnson	711 S Smithmoor Circle	Fawn Grove at Sunset Lakes	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Jose & Joya Munoz	10715 Fawn Grove	Fawn Grove at Sunset Lakes	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Clint Miller Construction Inc	730 S Chateau Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Tinh & Huong Le	729 S Chateau Circle	Fawn Grove at Sunset Lakes											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/22/07	Clint Miller Construction Inc	726 S Chateau Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	08/31/07
08/22/07	Clint Miller Construction Inc	725 S Chateau Circle	Fawn Grove at Sunset Lakes	x					x						08/31/07
08/22/07	Fawn Grove Properties Inc	722 S Chateau Circle	Fawn Grove at Sunset Lakes	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	08/31/07
08/22/07	Clint Miller Properties	721 S Chateau Circle	Fawn Grove at Sunset Lakes	x			x								08/31/07
08/22/07	Clint Miller Construction Inc	717 S Chateau Circle	Fawn Grove at Sunset Lakes	x					x						08/31/07
08/22/07	Clint Miller Properties	10614 E Fawn Grove	Fawn Grove at Sunset Lakes	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07

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Inspection Date	Contractor Name	Property Location	Subdivision	A	B.2	A.1	A.6	A.7	A.2	A.2	A.2	A.12	A	Notice of Violation Details	Compliance Date
08/22/07	Clint Miller Construction Inc	10610 E Fawn Grove	Fawn Grove at Sunset Lakes	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/22/07	Clint Miller Construction Inc	10606 E Fawn Grove	Fawn Grove at Sunset Lakes	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	08/31/07
08/28/07	David & Mable Haggard	1525 E Marie	Hidden Glen												
08/28/07	Comfort Homes Inc	1509 E Marie	Hidden Glen	x					x						09/06/07
08/28/07	Don Klausmeyer Const.	1505 E Marie	Hidden Glen												
08/28/07	Don Klausmeyer Const.	1501 E Marie	Hidden Glen												
08/28/07	Don Klausmeyer Const.	4521 S Ellis	Hidden Glen	x			x								09/06/07
08/28/07	Comfort Homes Inc	4513 S Ellis	Hidden Glen	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	09/06/07
08/28/07	Don Klausmeyer Const.	4509 S Ellis	Hidden Glen												
08/28/07	Don Klausmeyer Const.	4505 S Ellis	Hidden Glen											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
08/28/07	Don Klausmeyer Const.	1408 E Sunview	Hidden Glen												
08/28/07	Comfort Homes Inc	4510 S Lulu	Hidden Glen											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/28/07	Don Klausmeyer Const.	4514 S Lulu	Hidden Glen	x			x								09/06/07
08/28/07	Don Klausmeyer Const	4518 S Lulu	Hidden Glen	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	09/06/07
08/28/07	Comfort Homes Inc	4522 S Lulu	Hidden Glen											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/28/07	Comfort Homes Inc	1406 E 45th South	Hidden Glen												
08/28/07	Don Klausmeyer Const.	1410 E 45th South	Hidden Glen	x					x						09/06/07
08/28/07	Don Klausmeyer Const.	1414 E 45th South	Hidden Glen											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
08/28/07	Zyra G Rios	1522 E 45th South	Hidden Glen	x		x									09/06/07
09/04/07	Jeffrey Clark & Misty Whiteside	3700 W Eisenhower	Wheatland Place 3rd												
09/04/07	BGS Companies Inc.	4614 S Leonine	Angel Fire												
09/04/07	BGS Companies Inc.	4606 S Leonine	Angel Fire											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
09/04/07	Victoria Homes	3305 W 45th Court South	Angel Fire	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	09/13/07
09/04/07	BGS Companies Inc.	4602 S Leonine	Angel Fire												
09/04/07	BGS Companies Inc.	4782 S Leonine	Angel Fire											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
09/04/07	Isaias & Martha Alvidrez	3229 S Bolin	Blue Lake Addn	x					x						09/13/07
09/04/07	Ethel M Sauder	3201 S Bolin	Blue Lake Addn											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
09/04/07	Darrell & Charline Geller	4719 W 31st Street South	Blue Lake Addn	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	09/13/07
09/04/07	BGS Companies Inc.	3206 W 45th South	Angel Fire												
09/04/07	BGS Companies Inc.	3210 W 45th South	Angel Fire												
09/04/07	BGS Companies Inc.	3302 W 45th South	Angel Fire											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
09/04/07	BGS Companies Inc.	3306 W 45th South	Angel Fire											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
09/04/07	BGS Companies Inc.	3310 W 45th South	Angel Fire											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
09/04/07	BGS Companies Inc.	3314 W 45th South	Angel Fire											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
09/13/07	Robert & Shalene Richardson	14210 W Binter Circle	Highland Springs 3rd	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	09/24/07
09/13/07	Tim & Carol Jacobs	14216 W Binter Circle	Highland Springs 3rd	x		x									09/24/07
09/13/07	Kelsey Development Inc	14306 W Binter Circle	Highland Springs 3rd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	09/24/07
09/13/07	Jeffery & Gina Beard	14321 W Binter Circle	Highland Springs 3rd	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	09/24/07
09/20/07	Breckco Construction	902 N Market	Munger's Orig Town	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	09/28/07
09/20/07	Breckco Construction	938 N Market	Munger's Orig Town	x			x								09/28/07
09/20/07	Inter-Faith Villa Courts	918 N Market	Munger's Orig Town	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	09/28/07
09/20/07	Inter-Faith Villa Courts	922 N Market	Munger's Orig Town	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	09/28/07
09/20/07	Inter-Faith Villa Courts	924 N Market	Munger's Orig Town	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	09/28/07
09/20/07	Inter-Faith Villa Courts	928 N Market	Munger's Orig Town	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	09/28/07
09/20/07	Caro Construction	170 W Dewey	Waterwalk Phase 2	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	09/28/07
09/27/07	Moeder Construction LLC	10505 W Dallas Circle	Southern Ridge 4th	X					X						10/11/07
09/27/07	Moeder Construction LLC	10414 W Dallas Circle	Southern Ridge 4th	X					X					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	10/11/07
09/27/07	Robl Construction inc	10515 W Dallas	Southern Ridge 4th	X			X							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	10/11/07
09/27/07	Lariat Construction Co	2502 S Prescott	Southern Ridge 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	

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Inspection Date	Contractor Name	Property Location	Subdivision	A	B.2	A.1	A.6	A.7	A.2	A.2	A.2	A.12	A	Notice of Violation Details	Compliance Date
27/07	Lariat Construction Co	2426 S Prescott	Southern Ridge 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
09/27/07	Lariat Construction Co	10901 W Maxwell Circle	Southern Ridge 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
09/27/07	Lariat Construction Co	2505 Fieldcrest	Southern Ridge 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
09/27/07	Don Klausmeyer Const.	12117 W Jewell Court	Turkey Creek 2nd	X			X							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/11/07
10/02/07	Shackelford Construction Inc	332 Grand Mere	Belle Terre South	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/15/07
10/02/07	Hillcrest Homes Inc	328 Grand Mere	Belle Terre South	x			x								10/15/07
10/02/07	David E Durben and Tony V Therakul	324 Grand Mere	Belle Terre South											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
10/02/07	Max & Linda Winslow	116 Montbella	Belle Terre South	x		x									10/15/07
10/02/07	Samuel O Oduniyi	15502 E Lynnwood	Belle Terre South	x					x	x					10/15/07
10/02/07	Mike & Kimberly Love	309 Grand Mere Court	Belle Terre South 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
10/02/07	Paulette Goines	353 Grand Mere Court	Belle Terre South 2nd	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/15/07
10/02/07	Timothy J Pope	329 Grand Mere Court	Belle Terre South 2nd	x		x									10/15/07
10/02/07	Steve S Tillman	15501 E Willowbrook	Belle Terre South	x		x									10/15/07
10/02/07	Gary Littlejohn	14110 E Watson	Clear Creek												
10/02/07	Don Klausmeyer Const.	14106 E Watson	Clear Creek	x			x								10/15/07
10/02/07	Gary Littlejohn	14107 E Watson	Clear Creek											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
10/02/07	Clint Miller Construction Inc	14103 E Watson	Clear Creek	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/15/07
10/02/07	Benjamin Littlejohn	14011 E Watson	Clear Creek	x					x						10/15/07
10/02/07	Clear Creek Properties Inc	14007 E Watson	Clear Creek	x			x								10/15/07
10/02/07	Dana & Nathan Atkinson	14003 E Watson	Clear Creek	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	10/15/07
10/02/07	Clint Miller Construction Inc	13918 E Watson	Clear Creek												
10/02/07	Clear Creek Development	13812 E Watson	Clear Creek											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
2/07	Clear Creek Development	608 S St Andrews	Clear Creek	X			X								10/15/07
10/02/07	Lakrisha Pascal	603 S St Andrews	Springdale Lakes	X		X									10/15/07
10/02/07	Clear Creek Development	605 S Spring Hollow Drive	Clear Creek	X			X								10/15/07
10/02/07	Peter Heiland	706 S Spring Hollow Drive	Clear Creek											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
10/02/07	Clint Miller Construction Inc	718 S Spring Hollow Drive	Clear Creek												
10/02/07	Clear Creek Properties Inc	720 S Spring Hollow Drive	Clear Creek	X			X								10/15/07
10/02/07	Don Klausmeyer Const.	14117 E Twinlake Drive	Clear Creek	X			X							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	10/15/07
10/02/07	Clint Miller Construction Inc	14201 E Twinlake Drive	Clear Creek	X			X								10/15/07
10/02/07	Adam & Melissa Petz	14104 E Mainsgate	Krug North 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/15/07
10/02/07	Adrian Sandler	14018 E Mainsgate	Krug North 2nd	x		x									10/15/07
10/02/07	Nies Homes Inc	14014 E Mainsgate	Krug North 2nd	x			x								10/15/07
10/02/07	Ink-Drumright Builders Inc	14010 E Mainsgate	Krug North 2nd	x			x								10/15/07
10/02/07	Ink-Drumright Builders Inc	14006 E Mainsgate	Krug North 2nd	x			x								10/15/07
10/02/07	Chestnut Ridge LLC	13912 E Mainsgate	Krug North 2nd												
10/02/07	Ink-Drumright Builders Inc	13908 E Mainsgate	Krug North 2nd	x			x								10/15/07
10/02/07	Thim Wai Ng	13811 E Mainsgate Cr	Krug North 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/15/07
10/02/07	Chestnut Ridge LLC	2521 N Spring Hollow	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/15/07
10/02/07	Kirk B & Jean Ann Sleichter	2522 N Spring Hollow	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/15/07
10/02/07	Craig Sharp Homes Inc	2513 N Spring Hollow	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/15/07
10/02/07	Chestnut Ridge LLC	2509 N Spring Hollow	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/15/07
10/02/07	Craig Sharp Homes Inc	2505 N Spring Hollow	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/15/07
10/02/07	Chestnut Ridge LLC	2501 N Spring Hollow	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/15/07
10/02/07	Craig Sharp Homes Inc	14012 Ayesbury Circle	Krug North 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/15/07
10/02/07	Atilla Akli	2414 N Castle Rock	Krug North 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/15/07
2/02/07	Anthony & Lara Diiollo	2420 N Castle Rock	Krug North 2nd	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/15/07
/07	Chestnut Ridge LLC	2511 N Castle Rock	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/15/07
10/02/07	Porter Homes	14014 E 24th St North	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	10/15/07
10/02/07	Chestnut Ridge LLC	14018 E 24th St North	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	10/15/07

SWR - Residential Construction Projects Stormwater Inspection List

Inspection Date	Contractor Name	Property Location	Subdivision	A	B.2	A.1	A.6	A.7	A.2	A.2	A.2	A.12	A	Notice of Violation Details	Compliance Date
10/02/07	Chestnut Ridge LLC	14022 E 24th St North	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/15/07
10/02/07	Porter Homes	14103 E 24th Court North	Krug North 2nd	x					x						10/15/07
10/02/07	Steven & Stacey Benjamin	14131 E 29th Court North	Krug North 2nd	x		x									10/15/07
10/02/07	Ink-Drumright Builders Inc	14009 E Peppertree	Krug North 2nd	x					x						10/15/07
10/02/07	Monte Barry	14003 E Peppertree	Krug North 2nd	x		x									10/15/07
10/02/07	Barry Construction	15502 E Lynnwood	Belle Terre South	X					x	x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/25/07
10/03/07	Glass Homes Inc	2502 N Springdale Circle	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
10/03/07	Craig Sharp Homes Inc	2506 N Springdale Circle	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	10/17/07
10/03/07	Chestnut Ridge LLC	2511 N Springdale Circle	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/17/07
10/03/07	Ink-Drumright Builders Inc	2503 N Springdale Circle	Krug North 2nd	x			x								10/17/07
10/03/07	Keenon & Brandi Brinkley	2415 N Springdale Circle	Krug North 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/17/07
10/03/07	Christopher & Shannon Pierce	2411 N Springdale Cr	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices / Failure to Use Effective BMP Devices /	
10/03/07	WallaceyMitchell	2403 N Springdale Cr	Krug North 2nd	x		x									10/17/07
10/03/07	Paul & Julie Hamby	2406 N Springdale Cr	Krug North 2nd	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/17/07
10/03/07	Craig Sharp Homes Inc	2410 N Springdale Circle	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/17/07
10/03/07	Christopher & Aimee Wilson	2414 N Springdale Cr	Krug North 2nd	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/17/07
10/03/07	Brian & Kimberly Wilkinson	2418 N Springdale Circle	Krug North 2nd	x		x									10/17/07
10/03/07	Chestnut Ridge LLC	2430 N Springdale Cr	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/17/07
10/03/07	Patrick & Tracey Organ	2434 N Springdale Cr	Krug North 2nd	x		x									10/17/07
10/03/07	Tod W & Sherri L Newlin	2502 N Quincy	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
10/03/07	Harihararaman Balakrishnan	2506 N Quincy	Krug North 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
10/03/07	Chestnut Ridge LLC	2514 N Quincy	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/17/07
10/03/07	Craig Sharp Homes Inc	2518 N Quincy	Krug North 2nd	x				x						Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/17/07
10/03/07	Porter Homes	2522 N Quincy	Krug North 2nd												
10/03/07	Ink-Drumright Builders Inc	2526 N Quincy	Krug North 2nd	x			x								10/17/07
10/03/07	Tyler Schell	2527 N Springdale Circle	Krug North 2nd	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/17/07
10/03/07	Brian & Kelly Krug	2523 N Springdale Circle	Krug North 2nd	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/17/07
10/03/07	Chestnut Ridge LLC	2519 N Springdale Circle	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/17/07
10/03/07	Chestnut Ridge LLC	2507 N Springdale Circle	Krug North 2nd	x			x								10/17/07
10/03/07	Hussam Madi & Lana Abunamous	2525 N Quincy	Krug North 2nd	x					x						10/17/07
10/03/07	Chestnut Ridge LLC	2517 N Quincy	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/17/07
10/03/07	Craig Sharp Homes Inc	2505 N Quincy	Krug North 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/17/07
10/16/07	Chris & Sarah Brown	13917 W Taft	Auburn Hills 12th	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/31/07
10/16/07	Midwest Building Supply	437 Nineiron	Auburn Hills 12th	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	10/31/07
10/16/07	Chapman Custom Homes LLC	13710 W Texas	Shadow Woods												
10/16/07	Moeder Construction LLC	14110 W Texas Circle	Shadow Woods	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/31/07
10/16/07	Maple Group LLC	14202 W Texas Circle	Shadow Woods	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	10/31/07
10/16/07	Mooder Construction LLC	13805 W Texas	Shadow Woods												
10/16/07	Maple Group LLC	13610 W Texas	Shadow Woods												
10/16/07	Tim & Carol Jacobs	14216 W Binter Circle	Highland Springs 3rd												
10/16/07	Scott & Linda Brown	14222 W Binter Circle	Highland Springs 3rd	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/31/07
10/16/07	Jeffery & Gina Beard	14321 W Binter Circle	Highland Springs 3rd	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	10/31/07
10/31/07	Bachman Enterprises	2013 Driftwood	Harbor Isle 3rd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	11/17/07
10/31/07	John M. Losee	2009 Driftwood	Harbor Isle 3rd	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	11/17/07
10/31/07	Bachman Enterprises	1914 Driftwood	Harbor Isle 3rd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	11/17/07
10/31/07	Lance & Theresa Griffin	1778 Driftwood Ct.	Harbor Isle 3rd												
10/31/07	Mark & Beth Stratton	1726 Driftwood Ct.	Harbor Isle 3rd												
10/31/07	Bachman Enterprises	1614 Driftwood	Harbor Isle 3rd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	11/17/07
10/31/07	Bachman Enterprises	1610 Driftwood	Harbor Isle 3rd												

SWR - Residential Construction Projects Stormwater Inspection List

Inspection Date	Contractor Name	Property Location	Subdivision	A	B.2	A.1	A.6	A.7	A.2	A.2	A.2	A.12	A	Notice of Violation Details	Compliance Date
10/31/07	Bachman Enterprises	2205 Driftwood	Harbor Isle 3rd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	11/17/07
10/31/07	Bachman Enterprises	2209 Driftwood	Harbor Isle 3rd												
10/31/07	Blue Custom Homes LLC	3801 Lakecrest Ct.	Ridge Add	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	11/17/07
11/01/07	Comfort Homes Inc	13602 Autumn Ridge	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	11/17/07
11/01/07	Comfort Homes Inc	13606 Autumn Ridge	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	11/17/07
11/01/07	Don Klausmeyer Const.	13703 Autumn Ridge	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Don Klausmeyer Const.	13706 Autumn Ridge	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Tyler Beiter	13707 Autumn Ridge	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Michele & Hodge Hanlan	13710 Autumn Ridge	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	11/17/07
11/01/07	Comfort Homes Inc	13711 Autumn Ridge	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	11/17/07
11/01/07	Don Klausmeyer Const.	13718 Autumn Ridge	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Comfort Homes Inc	13719 Autumn Ridge	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Nicholas Snyder	13722 Autumn Ridge	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	11/17/07
11/01/07	Jarrod & Crystal Hibler	13732 Autumn Ridge	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	11/17/07
11/01/07	Comfort Homes Inc	13803 Autumn Ridge	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	11/17/07
11/01/07	Don Klausmeyer Const.	13804 Autumn Ridge	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Don Klausmeyer Const.	13807 Autumn Ridge	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Don Klausmeyer Const.	13808 Autumn Ridge	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Brian & Christina Youngers	13811 Autumn Ridge	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Don Klausmeyer Const.	13902 Autumn Ridge	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Don Klausmeyer Const.	1543 Aksarben	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Samuel Allen	1539 Aksarben	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	11/17/07
11/01/07	Aaron & Stacy Kabler	1520 Aksarben	Copper Gate North	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	11/17/07
11/01/07	Don Klausmeyer Const.	1504 Aksarben	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	11/17/07
11/01/07	Landon Vernillion	1433 Aksarben	Copper Gate North	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	11/17/07
11/01/07	Rochelle Bowen	1421 Aksarben	Copper Gate North	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	11/17/07
11/01/07	Matthew & Nichole Shaw	1413 Aksarben	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Don Klausmeyer Const.	13718 Kiwi	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Comfort Homes Inc	13714 Kiwi	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	11/17/07
11/01/07	Comfort Homes Inc	13707 Kiwi	Copper Gate North	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	11/17/07
11/01/07	Kick N Development	13711 Kiwi	Copper Gate North	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	11/17/07
11/01/07	Don Klausmeyer Const.	13703 Kiwi	Copper Gate North	x					x						11/17/07
11/01/07	Comfort Homes Inc	13702 Kiwi	Copper Gate North											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
11/01/07	Chad Stoughton	13611 Kiwi	Copper Gate North	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	11/17/07
11/01/07	Comfort Homes Inc	13607 Kiwi	Copper Gate North	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	11/17/07
11/01/07	Don Klausmeyer Const.	13603 Kiwi	Copper Gate North	x						x				Illegal Discharge / Illegal Dumping into SSS /	11/17/07
11/14/07	Noell G. Johnson	10307 E. Morris	Harrison Park 2nd	x										Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	11/20/07
12/31/07	Jesse R Ramos III	12214 Jewell	Turkey Creek 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	01/14/08
12/31/07	Comfort Homes Inc	12114 Jewell	Turkey Creek 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	01/14/08
12/31/07	Don Klausmeyer Const.	12109 Jewell Ct	Turkey Creek 2nd	x						x					01/14/08
12/31/07	Aaron Ramon & Hope Schewman	12105 Jewell Ct	Turkey Creek 2nd												
12/31/07	Justin & Kayla Snyder	12101 Jewell Ct	Turkey Creek 2nd												
12/31/07	Comfort Homes Inc	12106 Jewell	Turkey Creek 2nd												
12/31/07	Comfort Homes Inc	2227 Upland Hills Ct	Turkey Creek 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
12/31/07	Don Klausmeyer Const.	2249 Upland Hills Ct	Turkey Creek 2nd	x					x						01/14/08
12/31/07	Comfort Homes Inc	12324 Haskell	Turkey Creek 2nd												
12/31/07	Comfort Homes Inc	12320 Haskell	Turkey Creek 2nd												
12/31/07	Comfort Homes Inc	12316 Haskell	Turkey Creek 2nd												
12/31/07	Turkey Creek LLC	12317 Haskell	Turkey Creek 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
12/31/07	Don Klausmeyer Const.	2226 S. Rogers Lane	Turkey Creek 2nd	x					x						01/14/08
12/31/07	Don Klausmeyer Const.	2319 S Rogers Lane	Turkey Creek 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	

SWR - Residential Construction Projects Stormwater Inspection List

Inspection Date	Contractor Name	Property Location	Subdivision	A	B.2	A.1	A.6	A.7	A.2	A.2	A.2	A.12	A	Notice of Violation Details	Compliance Date
12/31/07	Turkey Creek LLC	2323 S Rogers Lane	Turkey Creek 2nd	x			x								01/14/08
12/31/07	Don Klausmeyer Const.	2342 S Rogers Lane	Turkey Creek 2nd											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
12/31/07	Comfort Homes Inc	12321 W Haskell	Turkey Creek 2nd	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	01/14/08
12/31/07	Don Klausmeyer Const.	2307 Upland Hills	Turkey Creek 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	01/14/08
12/31/07	Comfort Homes Inc	2302 Upland Hills Ct	Turkey Creek 2nd	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	01/14/08
12/31/07	Don Klausmeyer Const.	2338 Upland Hills	Turkey Creek 2nd	x					x						01/14/08
12/31/07	Gregory & Kimberly Andres	14202 Monterey	Auburn Hills 15th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
12/31/07	Lance & Melissa Deli	14302 W Ocala Ct	Auburn Hills 15th	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	01/14/08
12/31/07	West Wichita Development Inc	14104 W Ocala	Auburn Hills 15th	x					x						01/14/08
12/31/07	Andrew & Michelle Robertson	13925 Onewood	Auburn Hills 13th												
12/31/07	Robi Construction inc	1223 S City View	Auburn Hills 16th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
12/31/07	Lies-Bugner Homes	1219 S City View	Auburn Hlls 16th	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	01/14/08
12/31/07	Nies Homes Inc	1215 City View	Auburn Hills 16th	x					x						01/14/08
12/31/07	Steven & Kim Hieger	1214 S City View	Auburn Hills 16th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
12/31/07	Randy Ketzner Const.	1211 S City View	Auburn Hills 16th	x					x						01/14/08
12/31/07	Craig Pate Construction LLC	1207 S City View	Auburn Hills 16th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
12/31/07	Craig Pate Construction LLC	13918 Onewood	Auburn Hills 13th	x					x						01/14/08
12/31/07	West Wichita Development Inc	13914 Onewood	Auburn Hills 13th												
12/31/07	Midwest Building Supply	437 Nineiron	Auburn Hills 12th											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Owner) /	
12/31/07	Fred & Shirley Parker	518 Nineiron	Auburn Hills 14th	x		x								Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	01/14/08
12/31/07	West Wichita Development Inc	526 Nineiron	Auburn Hills 14th	x			x								01/14/08
12/31/07	Moeder Construction LLC	532 Decker	Auburn Hills 12th											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
12/31/07	Moeder Construction LLC	512 Decker	Auburn Hills 12th	x					x						01/14/08
12/31/07	Robert & Jennifer Smith	14426 Sheriac	Shadow Woods												
12/31/07	Bob Cook Homes LLC	202 S City Vew	Shadow Woods											Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	
12/31/07	Moeder Construction LLC	14229 Burton Ct	Shadow Woods	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	01/14/08
12/31/07	Maple Group LLC	14233 Burton Ct	Shadow Woods	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	01/14/08
12/31/07	Maple Group LLC	14202 Texas Circle	Shadow Woods	x			x								01/14/08
12/31/07	Bob Cook Homes LLC	14114 Texas Circle	Shadow Woods											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
12/31/07	Moeder Construction LLC	14110 Texas Circle	Shadow Woods	x					x					Illegal Discharge / Illegal Dumping into SSS / Failure to Use BMP (Contractor) /	01/14/08
12/31/07	Maple Group LLC	14106 Texas Circle	Shadow Woods	x			x							Illegal Discharge / Illegal Dumping into SSS / Failure to Use Effective BMP Devices /	01/14/08
12/31/07	Dale & Lisa Meyer	14102 Texas Circle	Shadow Woods	x						x					01/14/08
12/31/07	Maple Group LLC	13903 Texas	Shadow Woods												
12/31/07	Maple Group LLC	13818 Texas Ct	Shadow Woods												
12/31/07	Moeder Construction LLC	13805 Texas	Shadow Woods												
12/31/07	Chapman Custom Homes LLC	13710 Texas	Shadow Woods												
12/31/07	Maple Group LLC	13610 Texas	Shadow Woods											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	
12/31/07	Moeder Construction LLC	13602 Texas	Shadow Woods	x					x						01/14/08
11/01/07	Comfort Homes Inc	13710 Kiwi	Copper Gate North											Illegal Discharge / Illegal Dumping into SSS / Failure to Repair BMP Devices /	

Principal Pollutants of Concern in the Arkansas River

City of Wichita

2007

Central Lab Monthly Ri
2007

Date	MDL = Location	.010 mg/L Antimony	.001 mg/L Arsenic	.005 mg/L Beryllium	.005 mg/L Cadmium	5 mg/L Chloride
	Big @ 53rd					
	Lil @ 53rd					
1/11/2007	**47th**	xx	0.013	xx	xx	308
1/11/2007	**63rd**	xx	0.015	xx	xx	297
1/11/2007	**Derby**					295
	Big @ 53rd					
	Lil @ 53rd					
2/8/2007	**47th**	xx	0.012	xx	0.009	492
2/8/2007	**63rd**	xx	0.013	xx	0.008	465
2/8/2007	**Derby**					455
	Big @ 53rd	xx		xx		
	Lil @ 53rd					
3/12/2007	**47th**	xx	0.012	xx	0.007	432
3/12/2007	**63rd**	xx	0.015	xx	0.006	443
3/12/2007	**Derby**					421
	Big @ 53rd					
	Lil @ 53rd					
4/5/2007	**47th**	xx	0.02	0.005	0.014	102
4/5/2007	**63rd**	xx	0.019	0.005	0.017	102
4/5/2007	**Derby**					101
	Big @ 53rd	Antimony	**Arsenic**	Beryllium	Cadmium	**Chloride**
	Lil @ 53rd					
5/10/2007	**47th**	xx	0.021	xx	0.017	28.7
5/10/2007	**63rd**	xx	0.022	xx	0.018	27.8
5/10/2007	**Derby**					31.1

iver Results
XX = <MDL

.008 mg/L **Chromium**	.005 mg/L **Copper**	.005 mg/L **Cyanide**	.033 mg/L **Lead**	.010 mg/L **Molybdenum**	.015 mg/L **Nickel**	.005 mg/L **Selenium**
xx	xx	xx	xx	xx	xx	xx
xx	xx	xx	xx	xx	xx	xx
xx	xx	xx	xx	xx	xx	xx
xx	xx	xx	xx	xx	xx	xx
xx	xx	xx	xx	xx	xx	xx
xx	xx	xx	xx	xx	xx	xx
xx	xx	xx	xx	xx	xx	xx
0.025	0.024	xx	xx	xx	0.018	xx
0.029	0.025	xx	xx	xx	0.019	xx

Chromium	Copper	Cyanide	Lead	Molybdenum	Nickel	Selenium
0.012	0.009	xx	xx	xx	xx	xx
0.013	0.011	xx	xx	xx	xx	xx

.010 mg/L **Silver**	5 mg/L **Sulfate**	.010 mg/L **Thallium**	1 mg/L **Hardness**	.005 mg/L **Zinc**
xx	90.6	xx	266	0.023
xx	98.3	xx	246	0.097
	96.2		250	
xx	142	xx	336	0.013
xx	140	xx	324	0.025
	144		304	
xx		xx		
xx	114	xx	340	0.023
xx	120	xx	324	0.029
	120		358	
xx	21.2	xx	349	0.11
xx	21.4	xx	367	0.119
	22.3		356	
Silver	**Sulfate**	Thallium	**Hardness**	**Zinc**
xx	6.5	xx	76	0.063
xx	6.8	xx	128	0.071
	7.9		95	

Central Lab Monthly River Results
2006 'X = <MDL

Date	MDL =	.010 mg/L	.001 mg/L	.005 mg/L	.005 mg/L	5 mg/L	.008 mg/L	.005 mg/L	.005 mg/L	.033 mg/L	.010 mg/L	.015 mg/L	.005 mg/L	.010 mg/L	5 mg/L	.010 mg/L	1 mg/L	.005 mg/L
	Location	Antimony	Arsenic	Beryllium	Cadmium	Chloride	Chromium	Copper	Cyanide	Lead	Molybdenum	Nickel	Selenium	Silver	Sulfate	Thallium	Hardness	Zinc
	Big @ 53rd																	
	Lil @ 53rd																	
1/5/2006	47th	xx	0.013	xx	xx	365	xx	xx	xx	xx		xx	xx	xx	129	xx	335	xx
1/11/2006	63rd	xx	0.014	xx	xx	368	xx	xx	xx	xx	xx	xx	xx	xx	143	xx	329	xx
1/11/2006	Derby					351									144		326	
	Big @ 53rd																	
	Lil @ 53rd																	
2/9/2006	47th				xx	385	xx	xx	xx	xx		xx		xx	130		330	0.008
2/21/2006	63rd	xx	0.019	xx	0.0005	377	xx	xx	xx	xx	xx	xx	xx	xx	134	xx	1042	0.006
2/21/2006	Derby					387									137		340	
3/28/2006	Big @ 53rd	xx	0.009	xx	0.005	749	xx	xx	xx	xx	xx	xx	xx	xx	167	xx		0.024
	Lil @ 53rd																	
3/9/2006	47th	xx	0.016	xx	xx	147	xx	0.016	xx	xx	xx	xx	xx	xx	91.2	xx	383	0.098
3/16/2006	63rd	xx	0.012	xx	xx	388	xx	xx	xx	xx	xx	xx	xx	xx	138	xx	332	xx
3/16/2006	Derby					355									144		328	
	Big @ 53rd																	
	Lil @ 53rd																	
4/13/2006	47th	xx	0.01	xx	xx	499	0.011	xx	xx	xx	xx	xx	xx	xx	141	xx	316	0.016
4/14/2006	63rd	xx	0.0095	xx	xx	495	0.011	xx	xx	xx	xx	xx	xx	xx	146	xx	314	0.025
4/14/2006	Derby					412									140		298	
	Lil @ 53rd																	
5/4/2006	47th	xx	0.016	xx	0.006	136	0.011	xx	xx	xx	xx	xx	xx	xx	68.9	xx	211	0.009
5/10/2006	63rd	xx	0.013	xx	xx	249	xx	xx	xx	xx	xx	xx	xx	xx	89.8	xx	258	0.024
5/10/2006	Derby					237									89.1		244	
6/21/2006	Big @ 53rd	xx	0.009	xx	xx	543	xx	xx	xx	xx	xx	xx	xx	xx	137	xx		xx
	Lil @ 53rd																	
6/8/2006	47th	xx	0.01	xx	xx	333	xx	xx	xx	xx	xx	xx	xx	xx	119	xx	262	0.018
6/12/2006	63rd	xx	0.013	xx	xx	243	xx	0.014	xx	0.01	xx	xx	xx	xx	95.2	xx	256	0.211
6/12/2006	Derby					137									77.3		265	
	Big @ 53rd																	
	Lil @ 53rd																	
7/13/2006	47th	xx	0.013	xx	xx	305	xx	xx	xx	xx	xx	xx	xx	xx	153	xx	250	0.242
7/18/2006	63rd	xx	0.013	xx	xx	325	xx	xx	xx	xx	xx	xx	xx	xx	131	xx	252	xx
7/18/2006	Derby					313									123		252	
	Big @ 53rd																	
	Lil @ 53rd																	
8/10/2006	47th	xx	0.012	xx	xx	264	xx	xx	xx	xx	xx	xx	xx	xx	142	xx	278	0.08
8/10/2006	63rd	xx	0.011	xx	xx	132	xx	xx	0.005	xx	xx	xx	xx	xx	79.9	xx	184	xx
8/10/2006	Derby					132									79.9		158	

	Big @ 53rd																	
	Lil @ 53rd																	
9/14/2006	47th	xx	0.014	xx	xx	266	xx	xx	xx	xx	xx	xx	xx	xx	103	xx	260	0.03
9/13/2006	63rd	xx	0.014	xx	xx	256	xx	xx	xx	xx	xx	xx	xx	xx	108	xx	254	xx
9/13/2006	Derby					253									110		257	
	Big @ 53rd																	
	Lil @ 53rd																	
	47th																	
10/17/2006	63rd	xx	0.011	xx	0.011	268	0.01	xx	xx	xx	xx	xx	xx	xx	131	xx	266	0.018
10/17/2006	Derby					269									132		279	
	Big @ 53rd																	
	Lil @ 53rd																	
11/8/2006	47th	xx	0.013	xx	0.006	336	xx	xx	xx	xx	xx	xx	xx	xx	135	xx	270	0.031
11/8/2006	63rd	xx	0.011	xx	xx	280	xx	xx	xx	xx	xx	xx	xx	xx	126	xx	215	0.046
11/8/2006	Derby					308									131		268	
	Big @ 53rd																	
	Lil @ 53rd																	
12/21/2006	47th	xx	0.01	xx	xx	293	xx	xx	xx	xx	xx	xx	xx	xx	120	xx	235	xx
12/29/2006	63rd	xx	0.01	xx	xx	326	xx	xx	xx	xx	xx	xx	xx	xx	126	xx	296	xx
12/29/2006	Derby					319									126		397	