BMP
Inspection Report
for
TOP School North Central
Wichita, KS

January 6, 2014

GYANENDRA POKHREL
LICENSED
22082
01/06/2014
KANSAS
PROFESSIONAL ENGINEER

Owner Representative:
Tammy Mosier, Finance Director
4600 S Clifton
Wichita, KS, 67216
email: tmosier@topelc.com
Ph: (316) 749 4990

KEMILLER ENGINEERING PA

117 E. Lewis
Wichita, Kansas 67202
(316) 264-0242

ENHANCED SWALE INSPECTION CHECKLIST

Location: East of bldg. in east parking lot and northeast of bldg in grass area Owner Change since last inspection? Y (N)

Owner Name, Address, Phone: Tammy Mosier, Finance Director. 2665 N Arkansas, Wichita, KS, 67204

Date: 01/03/2014 Time: 10:20 AM Site conditions: Dry

The Owner shall maintain a continuous record of inspections and maintenance actions. This record shall be made available to Storm Water Division staff upon request.

Inspection Items	Satisfactory (S) or Unsatisfactory (U)	Comments/Corrective Action
Enhanced Swale		
Healthy vegetation?	S	Well established grass.
Erosion on bottom or side slopes?	S	No sign of erosion.
Animal burrows in swale?	S	Not found.
Clear of debris and functional?	S	No debris found. Inlets are clean and appears to be functional.
Evidence of sediment accumulation?	S	Swale appears to be clean on surface.
Unintentional obstructions or blockages?	S	Not found.
Undesirable vegetation growth?	S	Not found.
Visible pollution?	S	Not found.
Other (describe)?	S	Overall the swale appears be functional as intended.
Inlet/Outlet Channels		
Clear of debris and functional?	S	No debris found in inlets or outlets.
Sediment accumulation?	S	Clean and free of sediments.
Signs of erosion?	S	No sign of erosion around the inlets.
Other (describe)?	S	Overall the inlets/outlets of swale appears be functional.
Hazards		
Have there been complaints from residents?	S	No complaints.
Public hazards noted?	S	Not found.

If any of the above inspection items are **UNSATISFACTORY**, list corrective actions and the corresponding completion dates below:

Corrective Action Needed	Due Date
No corrective actions needed at this time. Periodic maintenance is needed as per O & M manual for the enhanced to be functional in future.	N/A

Inspector Signature: _____ Inspector Name (printed) Gyanendra Pokhrel

EXTENDED DRY DETENTION POND INSPECTION CHECKLIST

Location: West of bldg., along west property line. Owner Change since last inspection? Y (N)

Owner Name, Address, Phone: Tammy Mosier, Finance Director. 2665 N Arkansas, Wichita, KS, 67204

Date: 01/03/2014 Time: 10:20 AM Site conditions: Dry

The Owner shall maintain a continuous record of inspections and maintenance actions. This record shall be made available to Storm Water Division staff upon request.

Inspection Items	Satisfactory (S) or Unsatisfactory (U)	Comments/Corrective Action
Embankment and Emergency Spillway		
Vegetation coverage adequate?	U	See comments below under corrective action needed.
Erosion on embankment?	S	No significant erosion found. See comments below.
Animal burrows in embankment?	S	Not found.
Cracking, sliding, bulging of dam?	S	Not found.
Blocked or malfunctioning drains?	S	Not Found.
Leaks or seeps on embankment?	S	Not found.
Obstructions of spillway(s)?	S	Not found.
Erosion in/around emergency spillway?	S	Not found.
Other (describe)?	S	Accumulated sediments at bottom appears to be recently cleaned.
Inlet/Outlet Structures and Channels		
Clear of debris and functional?	S	No debris found in inlet/outlet structures.
Trash rack clear of debris and functional?	S	Outlet grate is clean and functional.
Sediment accumulation?	S	No sediments found. Appears to be recently cleaned.
Condition of concrete/masonry?	S	Good condition where visible from surface .
Pipes in good condition?	S	Good condition where visible from surface .
Other (describe)?	S	The inlet/outlet structures appears to be cleaned and functional.
Pond Bottom		
Vegetation adequate?	U	See comments below under corrective action needed.
Undesirable vegetation growth?	S	Not found.
Excessive sedimentation?	S	Accumulated sediments at bottom appears to be recently cleaned.
Hazards		
Have there been complaints from residents?	S	No complaints.
Public hazards noted?	S	Not found.

If any of the above inspection items are **UNSATISFACTORY**, list corrective actions and the corresponding completion dates below:

Corrective Action Needed	Due Date
The concrete flume on the bottom of the pond appears to be recently uncovered and stone rip-rap were installed at the bottom along the flume to prevent the future erosion. The side slope of pond specially around the outlet structure needs to be reestablished with vegetation. The owner representative indicated that it is planned to seed the entire basin as soon as weather is favorable for seeding.	As soon as weather condition is favorable.

Inspector Signature: Gyanendra Pokhrel Inspector Name (printed) Gyanendra Pokhrel

GRASSED CHANNEL INSPECTION CHECKLIST

Location: Along east property line and along south property line. Owner Change since last inspection? Y (N)

Owner Name, Address, Phone: Tammy Mosier, Finance Director. 2665 N Arkansas, Wichita, KS, 67204

Date: 01/03/2014 Time: 10:20 AM Site conditions: Dry.

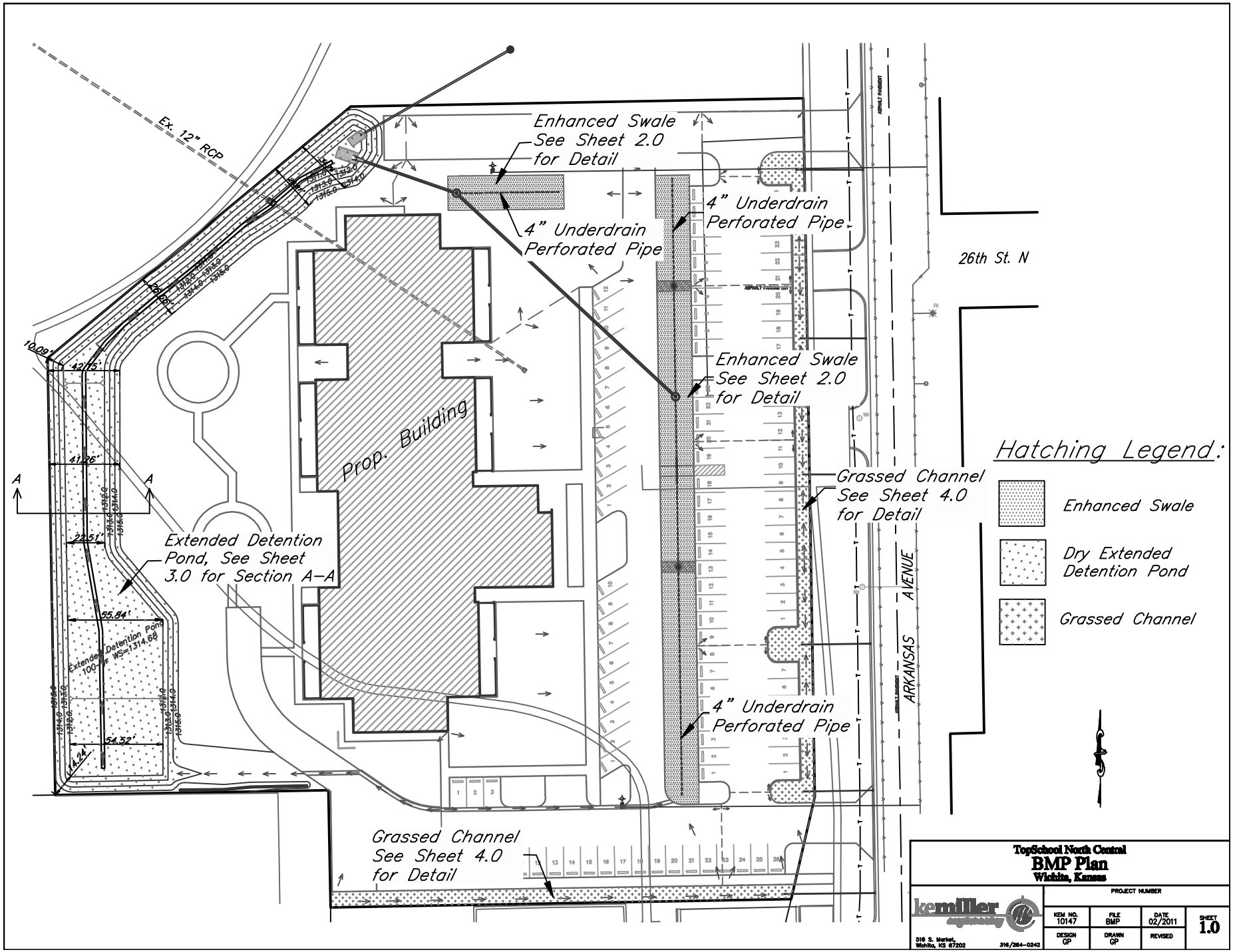
The Owner shall maintain a continuous record of inspections and maintenance actions. This record shall be made available to Storm Water Division staff upon request.

Inspection Items	Satisfactory (S) or Unsatisfactory (U)	Comments/Corrective Action
Healthy vegetation?	S	Well established grass.
Signs of erosion?	S	No sign of erosion found.
Clogged check dams?	S	Not found.
Sediment build-up on channel bottom?	S	Not found.
Standing water for extended periods?	S	No sign of standing water.
Soggy channel bottom for extended periods?	S	Not found.
Other (describe)?	S	Grass swales appear be well vegetated.
Hazards		
Have there been complaints from residents?	S	No Complaints.
Public hazards noted?	S	Not found.

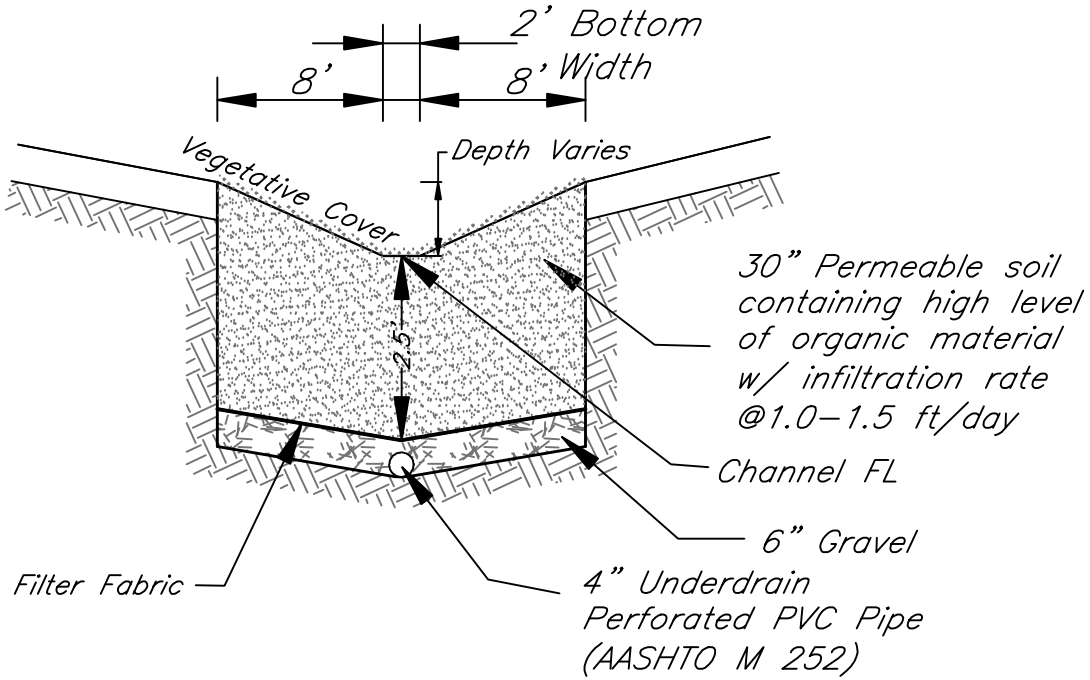
If any of the above inspection items are **UNSATISFACTORY**, list corrective actions and the corresponding completion dates below:

Corrective Action Needed	Due Date
No corrective actions needed at this time. Periodic maintenance is needed as per O & M manual for the grass swales/channels to serve the intended purpose.	N/A

Inspector Signature: Inspector Name (printed) Gyanendra Pokhrel


Ex. 12" RCP
Enhanced Swale
See Sheet 2.0
for Detail
4" Underdrain
Perforated Pipe
4" Underdrain
Perforated Pipe
26th St. N
Enhanced Swale
See Sheet 2.0
for Detail
Prop. Building
Grassed Channel
See Sheet 4.0
for Detail
Extended Detention
Pond, See Sheet
3.0 for Section A–A
ARKANSAS AVENUE
4" Underdrain
Perforated Pipe
Grassed Channel
See Sheet 4.0
for Detail
Hatching Legend:
Enhanced Swale
Dry Extended
Detention Pond
Grassed Channel
TopSchool North Central
BMP Plan
Wichita, Kansas
kemiller engineering
316 S. Market,
Wichita, KS 67202
316/264-0242
PROJECT NUMBER
KEM NO. 10147
FILE BMP
DATE 02/2011
SHEET 1.0
DESIGN GP
DRAWN GP
REVISED

BMP Description: Enhanced swale is vegetated open channel with underground filtering system. Storm water runoff gets treated by filtration through permeable soil and gravel. Filtered water gets collected through 4" perforated pipe and drains off the site.The vegetative cover, permeable media and underdrain pipe need to be maintained (as mentioned in O&M manual) for the effective operation of swale as a storm water treatment facility.



Typical Enhanced Swale Section

Location in plan: East of the building in between parking lot, and northeast of the building, south of the fire lane. See Sheet 1.0.

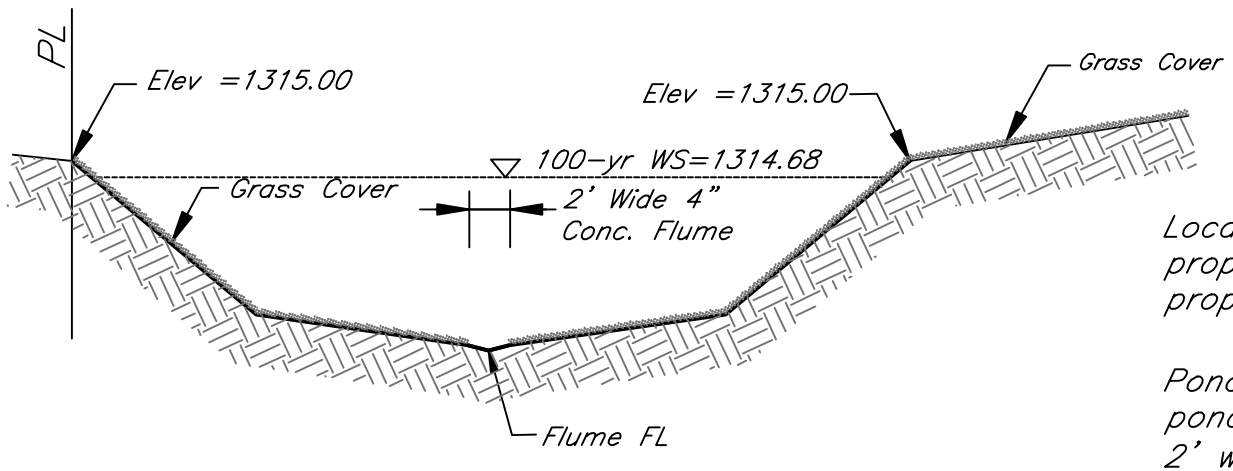
Enhanced Swale Note: The side slope of swale is according to grading plan developed by KE Miller Engineering and not to exceed 4:1.

Top School North Central
Enhanced Swale Detail
Wichita, Kansas

kemiller engineering
516 S. Market, Wichita, KS 67202 316/264-0242

PROJECT NUMBER			
KEM NO. 10147	FILE BMPs	DATE 02/2011	SHEET 2.0
DESIGN GP	DRAWN GP	REVISED	

BMP Description: Extended detention pond is regular dry detention pond with longer period of detention time. The vegetative cover and outlet structure need to be maintained (as mentioned in O&M manual) for the effective operation of pond as a storm water treatment facility.



Section A-A

Dry Extended Detention (DED) Pond

Location in plan: West of the proposed building along west property line. See sheet 1.0.

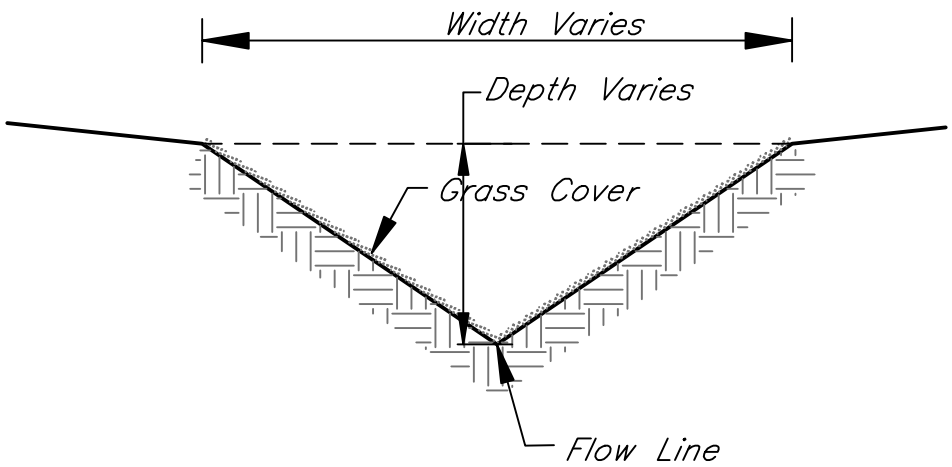
Pond Note: The side slope of pond is not to exceed 3:1. Grade 2' wide V-shaped 4" concrete flume according to grading plan developed by KE Miller Engineering with cross slope 4:1.

Top School North Central
DED Pond Detail
Wichita, Kansas

kemiller engineering
516 S. Market, Wichita, KS 67202
316/264-0242

PROJECT NUMBER			
KEM NO. 10147	FILE BMPs	DATE 02/2011	SHEET 3.0
DESIGN GP	DRAWN GP	REVISED	

BMP Description: The grassed channel is regular channel with grass cover. The grass cover needs to be maintained (as mentioned in O&M manual) for the effective operation of channel as a storm water treatment facility.



Typical Grassed Channel

Location in plan: East of the front parking along the east property line and along the south property line. See sheet 1.0.

Grassed Channel Note: The side slope of grassed channel is according to grading plan developed by KE Miller Engineering and not to exceed 3:1.

Top School North Central
Grassed Channel Detail
Wichita, Kansas

kemiller engineering
516 S. Market, Wichita, KS 67202 316/264-0242

PROJECT NUMBER			
KEM NO. 10147	FILE BMPs	DATE 02/2011	SHEET 4.0
DESIGN GP	DRAWN GP	REVISED	

IT'S SIMPLE. YOU JUST NEED TO KNOW WHERE TO LOOK.

Any questions you have concerning required maintenance of BMPs can be answered in your Operations & Maintenance Manual.

For additional information on how to keep Wichita waterways clean please visit TadsWater.com

Tad
Stormwater Spokesfrog

CONTACT US

Questions about Stormwater Utility Charges
265-1300

Report Illegal Discharges
268-4498

Storm Sewer Issues
268-4090

Recycling Questions
660-7200

Sedgwick County Household Hazardous Waste Facility
660-7458

Stormwater Management
City of Wichita
Public Works & Utilities Department
455 N. Main, 8th Floor
Wichita, KS 67202
(316) 268 - 4498
www.wichita.gov

CITY OF WICHITA
WWW.WICHITA.GOV

Post Construction BMPs

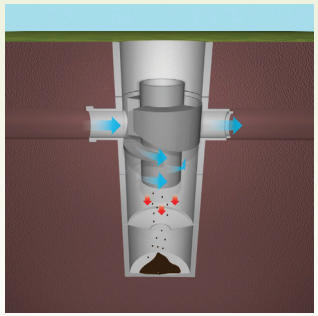
YOUR POST CONSTRUCTION BMP HELPS KEEP MY WATER CLEAN

Your property was designed and constructed with a Stormwater Management facility known as a BMP. Let's look at common examples of required periodic maintenance.

Hello HOA Boards, Commerical Property Owners and Landowners with SWM facilites

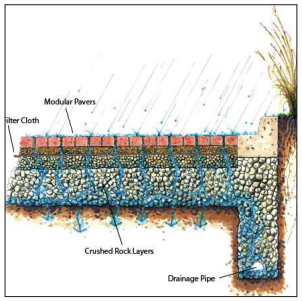
Here are some typical BMPs you may have:

Wet Pond



Hydrodynamic Separator

Grass Filter Strip



Pervious Pavement

Rain Garden

BMP INSPECTIONS

BMP COMPLIANCE RESOURCES

- Routine inspections with grounds maintenance or appointed person.
- Biannual inspections completed by qualified person (professional engineer) or other certified professionals such as CPSEC, CPSWQ.

EXAMPLE INSPECTION LIST FOR WET PONDS

1. Trim and mow overgrown areas
2. Dispose of trash and debris
3. Remove unappealing weeds
4. Clean your gutters, pipes and drains
5. Fill in dead spots with new vegetation
6. Pick up animal waste
7. Sanitize and dispose of hazardous spills

REMEMBER:

BMPs are designed to reduce stormwater volume, peak flows, and/or nonpoint source pollution through evapotranspiration, infiltration, and detention.

The best way to mitigate stormwater impacts from new developments is to use practices to treat, store, and infiltrate runoff onsite before it can affect water bodies downstream.

HELP PREVENT EROSION AND RUNOFF

Disturbed ground at a construction site exposes soil to erosion and runoff. Every construction site must use BMPs to control sediment and erosion. Projects that disturb one acre or more must have a stormwater prevention plan that addresses efforts to prevent site-generated and construction-related pollutants from leaving the construction site.

STAY UP-TO-DATE

The site will be inspected a minimum of once every seven calendar days, and also within 24 hours of the end of each rain event if less than 0.5 inches fell.

For additional information on how to keep Wichita waterways clean please visit TadsWater.com

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Stormwater Spokesfrog

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Public Works & Utilities Department
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Wichita, KS 67202
(316) 268 - 4498
www.wichita.gov

Proper Placement of Temporary BMPs

AN OUNCE OF PREVENTION IS WORTH A POUND OF CURE

It's far more efficient and cost-effective to PREVENT pollution than to try to correct problems later.

CITY OF WICHITA
WWW.WICHITA.GOV

CONSTRUCTION SITE BEST MANAGEMENT PRACTICES

TO STAY IN COMPLIANCE WITH THE LAW AND KEEP YOUR PROJECT ON SCHEDULE, MAKE SURE BMPS ARE IN PLACE AND FUNCTIONING.

PERIMETER CONTROLS

- Surround the entire site.
- Avoid running over perimeter controls with vehicles or heavy equipment.
- Inspect weekly or after each rain event.

DUMPSTERS

- Close lids on dumpsters.
- Cover roll-off dumpsters with rollback tarp.
- Sweep surrounding area daily.

BUILDING MATERIALS/ STAGING AREAS

- Keep extra absorbent materials on site to quickly pick up spills.
- Store containers and materials on pallets, rather than directly on the ground.
- Provide secondary containment when practical.

EARTH-MOVING EQUIPMENT

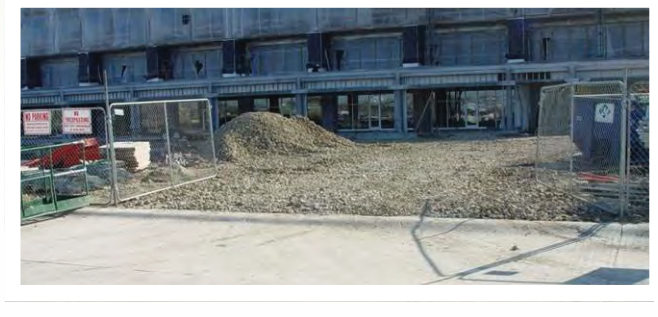
- Conduct maintenance of equipment on site.
- Clean up mud tracks and dirt trails left behind by vehicles.

STORM DRAINS

- Protect storm drains at all times with perimeter controls such as gravel bags.

WASHOUT AREAS

- Use a berm with an impervious liner to contain wet materials (e.g., paint, stucco, concrete) and prevent runoff in nearby areas.



ESTABLISH A CONSTRUCTION ENTRANCE

- Limit vehicle and equipment access to one route.
- Stabilize unpaved entrances with crushed rock.

DIRT AND GRADING

- Cover or spray stockpiled dirt and gravel with water to control dust.

IMPORTANT STEPS FOR POLLUTION PREVENTION

1. Follow your Stormwater Pollution Prevention Plan. Adjust and modify BMPs as necessary SWPPP.
2. Understand Stormwater Compliance, update and manage your SWPPP to match your projects needs.
3. Install protection at inlets nearest to the construction area.
4. Contact the inspector assigned to your project to answer any questions.

Accidents Happen, Be Prepared!

- Have a plan & communicate it to employees
- Keep a spill kit & communicate its use and location to employees

SUGGESTED LIST OF SPILL-KIT CONTENTS:

- Sorbent booms
- Kitty litter
- Sorbent pads
- Plastic sheeting (for drain cover)
- Garbage bags and zip ties
- Acid/base neutralizer
- Safety gloves and goggles

For additional information on how to keep Wichita waterways clean please visit TadsWater.com

Tad
Stormwater Spokesfrog

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Outside Material Storage

Let's Agree not to Merge

Avoiding a merger between your business and my local waterways is in our community's best interest!

TAKING CARE OF YOUR BUSINESS, CAN ALSO HELP TAKE CARE OF MINE!

Please help! Here are a few simple ways you can avoid an unintended hostile takeover of my local waterways.

- **COVER**
  Cover outdoor work and storage areas.
  Image source: www.tarpnews.com

- **CAPTURE**
  Capture fluids immediately. You may be surprised at how far and quickly they can travel!
  Image source: www.flowcontrolnetwork.com

- **CLEAN**
  Clean up spills before they reach the drain using absorbents rather than a hose to reduce the risk chemicals running down the drain.
  Image source: www.spillsupply.com

- **CONTAIN**
  Use simple methods to safeguard unintended leaks from spreading.

PERFORM A POND FRIENDLY AUDIT

DUMPSTERS AND GREASE STORAGE:

- Place dumpsters on a flat concrete surface that does not slope or drain.
- Install a secondary containment system such as a berm or curb around the dumpster.
- Place clear and visible signs on dumpsters indicating which kind of waste can be accepted.
- Never use bleach or soap to clean your dumpster and grease storage containers unless the wash water is being disposed of properly.
- Repair leaking or damaged dumpsters immediately.
- Sweep trash and litter from around the dumpster regularly.
- Keep dumpster and waste container covers closed.

STREET, DRIVEWAY, PARKING LOT & SIDEWALKS:

- Regularly sweep paved areas instead of hosing them down.
- Inspect and clean gutters, drains and catch basins.

LOADING DOCKS AND STORAGE AREAS:

- Limit exposure of materials to rainwater.
- Regularly check loading and unloading equipment for leaks.
- Regularly dry-sweep loading areas.
- Placed stored chemicals and waste materials in a secondary containment to catch any leaks.

STORAGE TANKS AND FUELING AREAS:

EMERGENCY PHONE NUMBERS

FIRE _____
POLICE _____
AMBULANCE _____
POISON CENTER _____
PHYSICIAN _____

- Provide secondary containment around fuel storage and waste tanks.
- Cover fueling areas to prevent exposure to storm water.
- Develop a spill incident response plan.
- Train employees in proper fueling techniques and spill responses.
- Clearly post emergency phone numbers.
- Regularly maintain and inspect tanks and transfer equipment.

POWLEY PUMPS
BP04

NOWAK
Construction Co., Inc.
316-794-8898
Goddard, Kansas

#2A REPLACEMENT UNIT
FLEXstorm

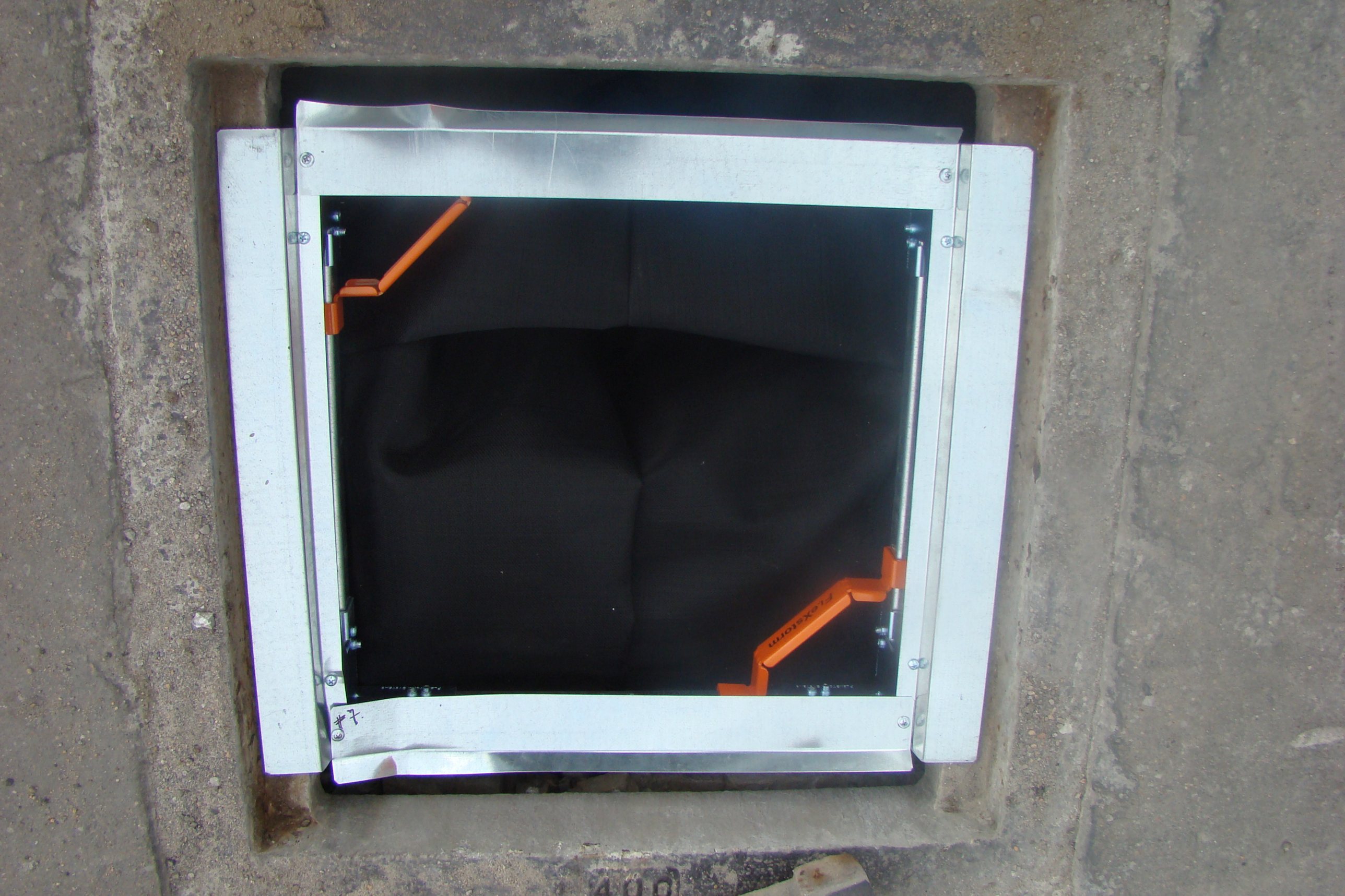
1 #
FlexStorm

GR 2416
CITY OF WICHITA

#5

#4
#4
CITY OF WICHITA

FlexXform


#7
Flexstorm

NO DUMPING
DRAINS TO ARKANSAS RIVER
PROTECT
YOUR
WATER

FACT SHEET

MS4 Six Minimum Control Measures for Municipal Separate Storm Sewer Systems (MS4s) with NPDES Permits

This fact sheet outlines the general requirements for implementation of the Six Minimum Control Measures as required under a Kansas MS4 General Permit issued by the Kansas Department of Health and Environment. The general permit provided to the MS4 authority should be reviewed for additional requirements associated with implementation of the Six Minimum Control Measures such as deadlines for implementation of the requirements or supplemental requirements associated with the individual measures. The general requirements are as follows:

A. Six Minimum Controls - The Permittee shall develop and implement BMPs with measureable goals for each of the six minimum control measures. The six minimum control measures and associated requirements are listed and explained as follows:

1. Public Education and Outreach

The permittee shall implement a public education program which includes distribution of educational materials to the community or conducting equivalent outreach activities which address the impacts of stormwater discharges on water bodies and the steps the public can take to reduce pollutants in stormwater runoff.

2. Public Involvement and Participation

The permittee shall implement a public involvement and participation program to solicit public comment and recommendations regarding the BMPs and measurable goals utilized by the permittee to comply with the permit. The permittee shall comply with State and local public notice requirements when implementing a public involvement and participation program.

3. Illicit Discharge Detection and Elimination

The permittee shall:

a. develop, implement and enforce a program to detect and eliminate illicit discharges into the MS4;

b. develop a storm sewer system map of the permittee's MS4, showing the location of all outfalls, either pipes or open channel drainage, showing the names and location of all streams or lakes that receive discharges from those outfalls. A copy of the map shall be submitted to KDHE. This map may be submitted as a PDF file(s) on a compact disk.

c. enact ordinances or resolutions to prohibit non-stormwater discharges into the storm sewer system and implement appropriate enforcement procedures and actions if the permittee has such authority. A copy of the ordinances or resolutions shall be submitted to KDHE.

d. inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste; and

e. develop and implement a plan to detect and address prohibited non-stormwater discharges, including illegal dumping, to the storm sewer system. Unless identified by either the permittee or KDHE as a significant source of pollutants to waters of the state the following examples of non-stormwater discharges are not prohibited from entering the Municipal Separate Storm Sewer System:

    1) Water line flushing;

    2) diverted stream flow;

    3) rising groundwaters;

    4) uncontaminated groundwater infiltration as defined under 40 CFR 35.2005(20) to separate storm sewers;

    5) uncontaminated pumped groundwater;

    6) contaminated groundwater if authorized by KDHE and approved by the municipality;

    7) discharges from potable water sources;

    8) foundation drains;

    9) air conditioning condensate;

    10) irrigation waters;

    11) springs;

    12) water from crawl space pumps;

    13) footing drains;

14) individual residential car washing;

15) occasional not-for-profit car wash activities;

16) flows from riparian habitats and wetlands;

17) dechlorinated swimming pool discharges excluding filter backwash;

18) street wash waters (excluding street sweepings which have been removed from the street);

19) discharges or flows from fire fighting activities;

20) heat pump discharge waters (residential only);

21) treated wastewater meeting requirements of a NPDES permit;

22) sump pump drains; and

23) other discharges determined not to be a significant source of pollutants to waters of the state, a public health hazard or a nuisance.

4. Construction Site Stormwater Runoff Control

The permittee shall develop, implement, and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities that result in a land disturbance of greater than or equal to one acre. Reduction of stormwater discharges from construction activity disturbing less than one acre must be included in the program if that construction activity is part of a larger common plan of development or sale that would disturb one acre or more. The program must include the development and implementation, at a minimum, of the following:

a. permittees which have the authority to enact ordinances or resolutions shall enact such ordinances or resolutions to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under State and local law;

b. requirements for construction site owners or operators to implement appropriate erosion and sediment control best management practices;

c. requirements for construction site owners or operators to control waste such as discarded building materials, concrete truck washout, chemicals, litter, and sanitary waste at the construction site that are likely to cause adverse impacts to water quality;

d. procedures for site plan review which incorporate consideration of potential water quality impacts;

e. procedures for receipt and consideration of information submitted by the public;

f. procedures for site inspection and enforcement of control measures.

5. Post-Construction Stormwater Management in New Development and Redevelopment Projects

The permittee shall develop, implement, and enforce a program to address post-construction stormwater runoff from new development and redevelopment projects that disturb greater than or equal to one acre, including projects less than one acre that are part of a larger common plan of development or sale, that discharge into the MS4. The program must include the development and implementation, at a minimum, of the following:

a. BMPs to prevent or minimize adverse water quality impacts;
b. strategies which include a combination of structural and/or non-structural BMPs appropriate for the municipality;
c. for permittees which have the authority, ordinances or resolutions to address post-construction runoff from new development and redevelopment projects to the extent allowable under State and local law;
d. ensure adequate long-term operation and maintenance of BMPs.

6. Pollution Prevention/Good Housekeeping for Municipal Operations

The permittee shall develop and implement an operation and maintenance program that includes employee training to prevent and reduce stormwater pollution from municipal operations activities such as park and open space maintenance, fleet and building maintenance, new construction and land disturbances, and stormwater system maintenance.

Wichita/Sedgwick County
Extended Dry Detention Pond Inspection Checklist

Project Name: DR PEPPER IN LOT 1, LEEDY ADD. Project #: 0029 PPD

BMP Name/ID (as shown on the O&M Plan): _____

Refer to the Operations & Maintenance Plan for this property to get the information requested in this box. The Operations and Maintenance Plan for this property is recorded with the Sedgwick County Register of Deeds.

Property Owner Name: L-V Properties, GP c/o Connie Merriman

Property Address: 1240 W. MacArthur Road

Owner Phone #: 316.219.8500 Owner Email Address: cmerriman@pixius.com

Owner Change since last inspection? Y ☐ N ☑

Inspection Date/Time: 2/3/14 - 2pm

Weather and Site Conditions (last rainfall date, dry/wet soil, etc.): Clear, dry

Inspection Items	Condition*	Comments/Corrective Action
*Note - Condition should be marked as Satisfactory (S) or Unsatisfactory (U). An explanation of corrective actions must be provided for all items marked as Unsatisfactory. The completion date of any corrective actions taken must also be documented.		
Inspect the embankment (the dam/berm that holds water in the pond) and the emergency spillway (the location where water exits the facility in the event that the embankment is overtopped).		
1. Does the vegetation appear to be healthy and adequately covering the embankment to prevent erosion? **Yes = Satisfactory**	Yes	
2. Are there signs that soil is eroding (washing away) on/from the embankment? **Yes = Unsatisfactory**	No	
3. Are there signs of animal burrows in embankment? **Yes = Unsatisfactory**	No	
4. Are there signs of cracking, sliding and/or bulging of the berm/dam? **Yes = Unsatisfactory**	No	
5. Are the drains (if any) blocked or malfunctioning? **Yes = Unsatisfactory**	No	
6. Are there signs of leaks or seeps on the embankment? **Yes = Unsatisfactory**	No	

Wichita/Sedgwick County
Extended Dry Detention Pond Inspection Checklist

Inspection Items	Condition*	Comments/Corrective Action
7. Are there any obstructions of the emergency spillway(s)? **Yes = Unsatisfactory**	No	
8. Are there signs of erosion (washing away of soil) in or around the emergency spillway? **Yes = Unsatisfactory**	No	
9. Other (describe)?		
Inspect the inlet and outlet structures and channels – these are the locations/structures where water enters and exits the pond.		
10. Are the inlets and outlets and channels clear of debris and functional? **Yes = Satisfactory**	Yes	
11. Are trash racks clear of debris and functional? **Yes = Satisfactory**	Yes	
12. Has sediment accumulated at any of the inlet and outlet structures? **Yes = Unsatisfactory**	No	
13. Does the concrete/masonry appear to be in good condition? **Yes = Satisfactory**	Yes	
14. Do the pipes appear to be in good condition? **Yes = Satisfactory**	Yes	
15. Is the slide gate (if any) operating properly? **Yes = Satisfactory**	N/A	
16. Is the pond drain valve operating properly? **Yes = Satisfactory**	Yes	
17. Are there signs of erosion (washing away of soil) in the outlet channels? **Yes = Unsatisfactory**	No	
18. Other (describe)?		
Inspect the bottom of the dry pond.		
19. Is the vegetation healthy and adequately covering the dry areas to prevent soil erosion? **Yes = Satisfactory**	Yes	

Wichita/Sedgwick County
Extended Dry Detention Pond Inspection Checklist

Inspection Items	Condition*	Comments/Corrective Action
20. Is there growth of undesirable vegetation or overgrowth of vegetation? **Yes = Unsatisfactory**	Yes	Bio-detention area at SE Corner property needs cattails to be removed. Advised owner.
21. Is there excessive sediment accumulation? **Yes = Unsatisfactory**	No	
Identify any potential hazards to humans or the environment.		
22. Have there been complaints from residents? **Yes = Unsatisfactory**	No	
23. Are there any other public hazards that should be noted? **Yes = Unsatisfactory**	No	

By signing my name below, I certify that the information submitted in this document (and all attachments) is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are penalties for knowingly submitting false information, including the possibility of regulatory violations and associated fines.

Inspected by (Name): Tim Austin, PE

Inspected by (Signature): 2/4/14

TIMOTHY R. AUSTIN LICENSED 11496 KANSAS PROFESSIONAL ENGINEER

Hardesty, James

From: Hardesty, James
Sent: Monday, June 23, 2014 8:31 AM
To: Hall, Mark
Subject: FW: Fish Kill Reporting
Attachments: NewKDHE-KDWP&T chart (1).pdf

From: Mounts, Jessica [mailto:jessica.mounts@ksoutdoors.com]
Sent: Tuesday, January 29, 2013 2:47 PM
To: Hardesty, James; Lindebak, Scott; Lewis, Rebecca; Maloney, Shawn; Albers, Libby; Hamilton, Natalie; Perkins, Bill
Cc: John Goetz
Subject: Re: Fish Kill Reporting

After additional review, a couple of changes were made to the fish kill flowchart I sent last week, as I just recieved this updated version. Please disregard the previous version and utilize the attached flowchart for the reporting of fish kills in Wichita.

Jessica

On Wed, Jan 23, 2013 at 11:23 AM, Mounts, Jessica <jessica.mounts@ksoutdoors.com> wrote:
As per the meeting between The City of Wichita, KDHE and KDWPT on 10 January, 2013:
Attached are the fish kill reporting flow chart and the fish kill phone report form to assist in the reporting of fish kills.

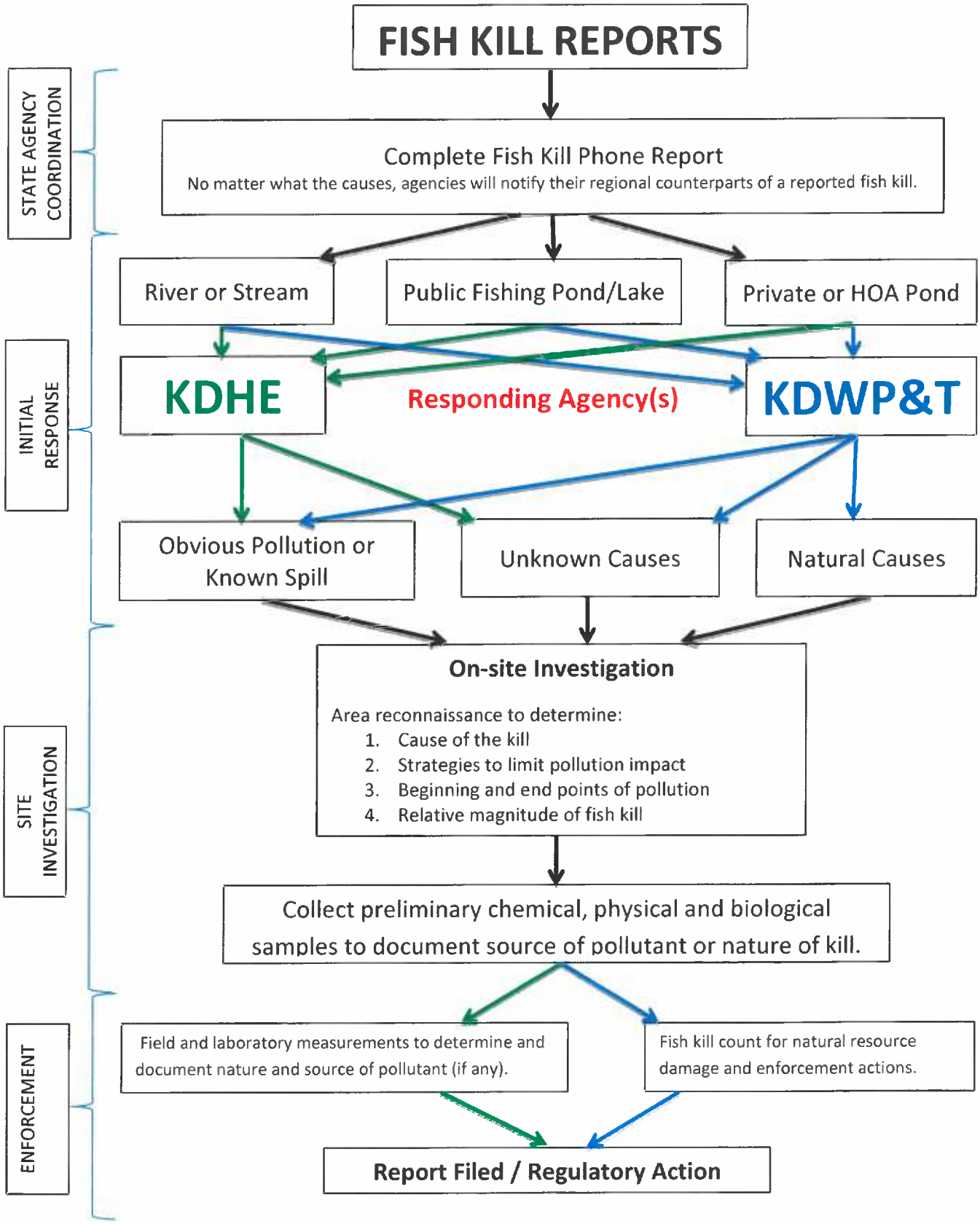
If you have any questions or problems with the attached files, please don't hesitate to contact me.

Thank you,

Jessica

--
Jessica Mounts
Kansas Department of Wildlife and Parks
District Fisheries Biologist
www.ksoutdoors.com
316.683.8069

--
Jessica Mounts
Kansas Department of Wildlife and Parks
District Fisheries Biologist
www.ksoutdoors.com
316.683.8069


FISH KILL REPORTS
STATE AGENCY COORDINATION
Complete Fish Kill Phone Report
No matter what the causes, agencies will notify their regional counterparts of a reported fish kill.
INITIAL RESPONSE
River or Stream
Public Fishing Pond/Lake
Private or HOA Pond
KDHE
Responding Agency(s)
KDWP&T
Obvious Pollution or Known Spill
Unknown Causes
Natural Causes
SITE INVESTIGATION
On-site Investigation
Area reconnaissance to determine:
1. Cause of the kill
2. Strategies to limit pollution impact
3. Beginning and end points of pollution
4. Relative magnitude of fish kill
Collect preliminary chemical, physical and biological samples to document source of pollutant or nature of kill.
ENFORCEMENT
Field and laboratory measurements to determine and document nature and source of pollutant (if any).
Fish kill count for natural resource damage and enforcement actions.
Report Filed / Regulatory Action

Sedgwick County 313 Facilities

FACILITY NAME	ADDRESS
3P Processing	1702 S Knight
Air Products Mfg Corp	6601 S Ridge Rd
AMETEK Advance Industries	4550 Southeast Blvd
Andale Ready Mix	3170 N Ohio
Atlas Aerospace	4425 W May
Barton Solvents Inc	201 S Cedar
BG Products Inc	701 S Wichita
Boeing Defense, Space, & Security	4615 S Oliver M/C K29-05
Brittain Machine Inc	2520 South Sheridan St
Cargill Inc	1425 N Mosely
Carlson Products	4601 N Tyler Rd
Center Industries Corp	2505 S Custer
Century Mfg Inc	9750 E 50th St North
Cessna Aircraft - Pawnee Facility	5800 E Pawnee
Cessna Aircraft - Mid Continent Facility	6330 Southwest Blvd
Chrome Plus International Inc	3939 W 29th St South
CNH America LLC	3301 S Hoover Rd
Coleman Company Inc	3600 N Hydraulic
Custom Cupboards	3738 S Norman St
Exacta Aerospace Inc	4200 W Harry St
Globe Engineering Co	1539 S Saint Paul
Green Energy Products LLC	250 E Industrial Dr
ICM Inc	310 N First St
ISF (dba Infinitech Surface Finishing)	4420 W 29th Circle South
Johnson Controls Inc	801 E 37th St North
Kice Industries Inc	5500 Mill Heights Dr
Koch-Glitsch LP	4111 E 37th St North Bldg E
Land O'Lakes Purina Feed LLC	1836 N Topeka
Learjet Inc	1 Learjet Way
Lubrication Engineers Inc	1919 E Tulsa St
Marble Products Co	2080 S Edwards
Metal Finishing Co Inc	1423 S McLean Blvd
Metal Pros LLC	4323 W Bounous St
National Plastics Color Inc	100 Industrial St
Occidental Chemical Corp	6200 S Ridge Rd
Paragon Services Inc	1015 S West St
Phillips 66 Co - Wichita Terminal	2400 E 37th St North
PolyOne DSS	1444 S Tyler Rd
Recreation Vehicle Products Inc	3050 N Saint Francis
Spirit Aerosystems Inc	3801 S Oliver
Techmer PM LLC	7015 W Pueblo
Triumph Structures	3258 S Hoover Rd
Universal Lubricants LLC	2824 N Ohio
Universal Products Inc	521 Industrial St
US DoD McConnell AFB	57830 Pittsburg Suite 120

Wilko Paint Inc	2727 Ohio St
Worthington Cylinders Kansas LLc	5605 N 119th St West

CITY	ZIP	# OF CHEMICALS
Wichita	67213	5
Haysville	67060	9
Wichita	67210	1
Wichita	67219	1
Wichita	67209	3
Valley Center	67147	1
Wichita	67213	6
Wichita	67210	1
Wichita	67217	1
Wichita	67214	1
Maize	67101	8
Wichita	67217	2
Bel Aire	67226	1
Wichita	67218	4
Wichita	67215	2
Wichita	67217	2
Wichita	67215	2
Wichita	67219	3
Wichita	67215	3
Wichita	67209	2
Wichita	67213	1
Sedgwick	67135	2
Colwich	67030	4
Wichita	67215	1
Wichita	67219	4
Wichita	67219	5
Wichita	67220	3
Wichita	67214	3
Wichita	67277	2
Wichita	67216	2
Wichita	67213	1
Wichita	67213	2
Wichita	67209	1
Valley Center	67147	4
Wichita	67215	18
Wichita	67213	1
Wichita	67219	12
Wichita	67209	1
Wichita	67219	1
Wichita	67210	16
Wichita	67209	3
Wichita	67215	2
Wichita	67219	2
Goddard	67052	1
McConnell AFB	67221	1

Wichita	67219	3
Maize	67101	1

Worksheet #11	Facility: CMF Completed By: Jim Hardesty Title: Water Quality Date 7-17-14
Site Compliance Inspection Report	

Instructions: Complete the following form in order to properly assess and evaluate changes at the facility, including assessing compliance with the SWPPP. Use to certify the annual site inspection and compliance with SWPPP, or any time a violation of the SWPPP is known or suspected.

Compliance Assessment

	Observations	Compliance with SWPPP ?
1		
2		
3		
4		

Response Actions

Actions Needed	Proposed Completion Date	Actual Completion Date
1		
2 Fully Compliant		
3		
4		

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person(s) who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

A. Name & Official Title (Type or Print)	B. Area Code and Telephone No.
Jim Hardesty	268 8317
C. Signature Jim Hardesty	D. Date Signed 7-17-14

Worksheet #11	Facility: NE Substation Completed By: Jim Hardesty Title: Water Quality Specialist Date 7-17-14
Site Compliance Inspection Report	

Instructions: Complete the following form in order to properly assess and evaluate changes at the facility, including assessing compliance with the SWPPP. Use to certify the annual site inspection and compliance with SWPPP, or any time a violation of the SWPPP is known or suspected.

Compliance Assessment

	Observations	Compliance with SWPPP ?
1		
2		
3		
4		

Response Actions

Actions Needed	Proposed Completion Date	Actual Completion Date
1		
2 Full Compliance		
3		
4		

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person(s) who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

A. Name & Official Title (Type or Print)	B. Area Code and Telephone No.
Jim Hardesty	268-8317
C. Signature Jim Hardesty	D. Date Signed 7-17-14

Worksheet #11	Facility: K-96 + Hillside Completed By: Jim HARNESTY Title: Water Quality Specialist Date 7-17-14
Site Compliance Inspection Report	

Instructions: Complete the following form in order to properly assess and evaluate changes at the facility, including assessing compliance with the SWPPP. Use to certify the annual site inspection and compliance with SWPPP, or any time a violation of the SWPPP is known or suspected.

Compliance Assessment

	Observations	Compliance with SWPPP ?
1		
2		
3		
4		

Response Actions

Actions Needed	Proposed Completion Date	Actual Completion Date
1		
2 Full Compliance		
3		
4		

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person(s) who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

A. Name & Official Title (Type or Print)	B. Area Code and Telephone No.
Jim HARNESTY	268-8317
C. Signature Jim Harnesty	D. Date Signed 7-17-14

Worksheet #11	Facility: Plant 2 Completed By: Tim Harsesty Title: Water Quality Specialist Date 7-24-14
Site Compliance Inspection Report	

Instructions: Complete the following form in order to properly assess and evaluate changes at the facility, including assessing compliance with the SWPPP. Use to certify the annual site inspection and compliance with SWPPP, or any time a violation of the SWPPP is known or suspected.

Compliance Assessment

	Observations	Compliance with SWPPP ?
1		
2 Compliant		
3		
4		

Response Actions

Actions Needed	Proposed Completion Date	Actual Completion Date
1		
2		
3		
4		

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person(s) who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

A. Name & Official Title (Type or Print)	B. Area Code and Telephone No.
Tim Harsesty	316-268-8317
C. Signature Tim Harsesty	D. Date Signed 7-24-14

Worksheet #11	Facility: West Substation Completed By: Jim Hardesty Title: Water Quality Specialist Date 7-17-14
Site Compliance Inspection Report	

Instructions: Complete the following form in order to properly assess and evaluate changes at the facility, including assessing compliance with the SWPPP. Use to certify the annual site inspection and compliance with SWPPP, or any time a violation of the SWPPP is known or suspected.

Compliance Assessment

	Observations	Compliance with SWPPP ?
1		
2		
3		
4		

Response Actions

Actions Needed	Proposed Completion Date	Actual Completion Date
1		
2 Fully Compliant		
3		
4		

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person(s) who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

A. Name & Official Title (Type or Print)	B. Area Code and Telephone No.
Jim Hardesty	268-8317
C. Signature Jim Hardesty	D. Date Signed 7-17-14

Worksheet #11	Facility: Plant 1
	Completed By: Jim Hardesty
Site Compliance Inspection Report	Title: Water Quality Specialist
	Date 7-24-14

Instructions: Complete the following form in order to properly assess and evaluate changes at the facility, including assessing compliance with the SWPPP. Use to certify the annual site inspection and compliance with SWPPP, or any time a violation of the SWPPP is known or suspected.

Compliance Assessment

	Observations	Compliance with SWPPP ?
1	Fully Compliant - Site monthly inspections,	
2	training, etc folded in with Plant 2	
3		
4		

Response Actions

Actions Needed	Proposed Completion Date	Actual Completion Date
1		
2		
3		
4		

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person(s) who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

A. Name & Official Title (Type or Print)	B. Area Code and Telephone No.
Jim Hardesty	316-268-8317
C. Signature	D. Date Signed
Jim Hardesty	7-24-14

Worksheet #11	Facility: Transit Completed By: Jim Hardesty Title: Water Quality Specialist Date 7-21-14
Site Compliance Inspection Report	

Instructions: Complete the following form in order to properly assess and evaluate changes at the facility, including assessing compliance with the SWPPP. Use to certify the annual site inspection and compliance with SWPPP, or any time a violation of the SWPPP is known or suspected.

Compliance Assessment

	Observations	Compliance with SWPPP ?
1 Barrells + Trash Can Outside		No
2		
3		
4		

Response Actions

Actions Needed	Proposed Completion Date	Actual Completion Date
1 move items inside or cover	8-1-14	
2		
3		
4		

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person(s) who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

A. Name & Official Title (Type or Print)	B. Area Code and Telephone No.
Jim Hardesty	768-8317
C. Signature Jim Hardesty	D. Date Signed 7-21-14

Worksheet #11	Facility: Brooks Completed By: Jim Hardesty Title: Storm water Specialist Date 7-15-14
Site Compliance Inspection Report	

Instructions: Complete the following form in order to properly assess and evaluate changes at the facility, including assessing compliance with the SWPPP. Use to certify the annual site inspection and compliance with SWPPP, or any time a violation of the SWPPP is known or suspected.

Compliance Assessment

	Observations	Compliance with SWPPP ?
1 Annual Employee training sheduled for this month,		
2 otherwise Full Compliance		Yes
3		
4		

Response Actions

Actions Needed	Proposed Completion Date	Actual Completion Date
1		
2		
3		
4		

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person(s) who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

A. Name & Official Title (Type or Print)	B. Area Code and Telephone No.
JIM HARDESTY	316-268-8317
C. Signature Jim Hardesty	D. Date Signed Jim Hardesty

STORM WATER POLLUTION PREVENTION PLAN

BROOKS LANDFILL

Prepared for

CITY OF WICHITA

September 2009

Management Commitment of Resources

The City of Wichita is committed to the implementation of the procedures outlined in this SWPPP and the prevention of pollutants to navigable waters of the United States. This Plan has the full approval of management at a level of authority to commit the resources necessary to implement the SWPP Plan. A copy of this SWPP Plan shall be maintained at the facility at all times and will be made available to the EPA or State of Kansas for on-site review during normal working hours.

Authorized Management Representative Name: _____

Signature: _____

Title: _____

Date: _____

STORM WATER POLLUTION PREVENTION PLAN

Brooks Landfill

Prepared by

CITY OF WICHITA

September 2009

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1 INTRODUCTION

The purpose of this Storm Water Pollution Prevention Plan (SWPPP) is to prevent contamination of storm water runoff as a result of industrial activities conducted at the Brooks Landfill. The City of Wichita owns and operates this facility at 4100 North West Street in Wichita, Kansas. The goals of this SWPPP are as follows:

1. Identify potential sources of pollution that may be reasonably expected to contribute to the contamination of storm water runoff.
2. Establish Best Management Practices (BMP) that eliminate or effectively reduce the routes for contamination to enter the storm water runoff.

The United States Environmental Protection Agency (USEPA) has developed regulations to reduce the introduction of pollutants into storm water from industrial sites. These regulations have been delegated to the Kansas Department of Health and Environment (KDHE) to administer. Currently, KDHE considers an industrial facility to be in compliance if the owner has submitted a Notice of Intent (NOI) for Storm Water Discharges Associated with Industrial Activity under the General Permit and has developed a SWPPP. This SWPPP was prepared according to the requirements stated within the USEPA and the KDHE guidance documents (Appendix F).

1.1 SWPPP Pollution Prevention Team

The members of the Brooks Landfill Pollution Prevention Team (Appendix A, Worksheet #1) are responsible for the day-to-day tasks related to storm water runoff pollution prevention. The members of the SWPPP Pollution Prevention Team will conduct employee training programs, ensure implementation of BMPs, complete all site inspections, and supervise the day-to-day operations at the site which negatively affect storm water quality. Collectively, the SWPPP Pollution Prevention Team is responsible for the following tasks:

- Performing scheduled inspections.
- Training facility personnel.
- Ensuring that the BMPs in the plan are being implemented.
- Maintaining records.
- Revising the SWPPP to reflect changes to the BMPs employed and to the applicable regulations.
- Preparing the Comprehensive Site Compliance Evaluation for insertion into Appendix C of this document once each year.

The following individuals are designated as the primary members of the SWPPP Pollution Prevention Team at the Brooks Landfill:

Individual: Aaron Henning
Title: Assistant Maintenance Engineer
Phone: (316) 268-4087

Individual: Tony DeCicco
Title: Maintenance Engineer
Phone: (316) 268-4081

These individuals (or persons in their positions) must maintain and update this SWPPP. The Pollution Prevention Team must also coordinate between "front line" employees and management concerning pollution prevention issues. The Pollution Prevention Team is responsible for carrying out the requirements of the SWPPP as summarized in the following table.

Table 1-1 Requirements of the SWPPP

Activity	Frequency
1. Site Inspections	Monthly, records in Appendix B, recordkeeping requirement of 3 years
2. Comprehensive Site Compliance Evaluation	Annually
Comprehensive Site Compliance Evaluation Report	Completed within 2 weeks following Evaluation and inserted in Appendix C
Comprehensive Site Compliance Evaluation Report Implementation	Performed within 12 weeks of the Evaluation Report
3. Visual Inspection of Storm Water	Periodically during wet weather events. Results included in Comprehensive Site Compliance Evaluation Report
4. Employee Training	Annually, keep record of training in Appendix D, Employee Training
5. Spill Reporting	If spill occurs, documented in Appendix E, Significant Spills and Leaks
6. SWPPP recertification	Once every five years by a Kansas P.E., Appendix F

2 FACILITY DESCRIPTION AND STORM WATER DRAINAGE

2.1 Facility Description

The Brooks Landfill is located at 4100 North West Street in Sedgwick County, Wichita, Kansas. The Brooks Landfill is owned by the City of Wichita, and operated by Herzog Disposal Service. The Landfill is located just north of the intersection of K-96 and West Street, in the northwestern portion of Wichita. The site lies along the western bank of the Arkansas River before it splits with the Wichita Valley Center Flood Control Channel.

The landfill has approximately 273 acres, with an additional 463 acres of adjacent farmland owned by the City but not used for landfill activities. Brooks consists of a closed municipal solid waste landfill and a currently operating construction and demolition waste landfill and an industrial waste monofill that accepts friable asbestos waste. The site has a scale house/office building, a Vehicle Maintenance Building, and a landfill gas collection and processing plant with an office trailer.

The Standard Industrial Classification (SIC) for this facility is 4953. This plan covers activities where contaminants could possibly be introduced into the storm water runoff such as refueling and maintenance of vehicles. Contaminants of concern used in these activities include diesel, gasoline, and motor oil. A site map is presented following Worksheet #2 in Appendix A. The important features identified on the site map include the locations of the potential stormwater pollution activities and the stormwater outfalls.

2.2 Facility Drainage

The site is entirely surrounded by a drainage ditch and berm system that allows surface drainage to be collected and transferred to either of two outfalls. The closed cells utilize an interior area drain and ditch system. Drainage from the closed portions flows in all directions to four swales. One swale drains to the south immediately east of the north-south access road, while a second drains to the north and is located east of the access road. Runoff from the eastern two-thirds of the landfill drains east, where it is directed to a third swale along the eastern boundary of the site. This swale drains to the north to a drainage culvert through the levee at the northeast corner of the site. A fourth swale flows generally east to west between cells in the northeast corner of the site. Drainage along the western boundary of the site is comprised of sheet flow. Ultimately, all drainage ends up in the exterior drainage ditch and berm system.

There are a total of three drainage culverts located on the site. The first culvert is the outfall to the Arkansas River at the northeastern corner of the site. The second culvert is located under the West Street entrance into the site, which allows drainage from the western portion to flow under West Street to the ponding area in the southeastern corner of the site. The third culvert is under Highway 96, which allows offsite drainage to flow under the highway to the ponding area as well.

The SWPPP site map will be updated by the SWPPP Pollution Prevention Team whenever changes are made that would affect storm water runoff.

2.3 Inventory of Exposed Materials

Materials which could potentially come into contact with precipitation and contaminate storm water runoff have been summarized in the Material Inventory worksheet presented in Appendix A, Worksheet #3. Currently, there are not any significant quantities of materials exposed to storm water. Materials currently stored at this facility that could possibly come in contact with storm water include diesel, gasoline, and oil; however, all of these materials are unlikely to come into contact with storm water as described in Worksheet #3.

If during the Comprehensive Site Compliance Evaluation (Section 5.2), it is determined that a material has been added or removed from the Brooks Landfill, the Materials Inventory worksheet should be updated. New worksheets should be added to the SWPPP when a new material is introduced to the site. If the use of a material is discontinued, it should be crossed out on the worksheet, and the date its use was discontinued should be noted. The changes should be initialed by the appropriate member of the SWPPP Pollution Prevention Team.

2.4 Significant Spills and Leaks

According to facility personnel there have been no spills or leaks of toxic or hazardous pollutants in reportable quantities for the previous three years (Appendix A, Worksheet #4). In Appendix G, a blank Worksheet #4 should be completed and included in Appendix E if any spills occur in the future.

3 OUTFALL INVENTORY

Two storm water outfalls convey drainage from the site at the Brooks Landfill. Outfall 1 is on the northeast edge of the site.

Figure 3-1. Outfall 1

Outfall 2 is located in the southeast corner of the site.

Figure 3-2. Outfall 2

3.1 Non-Storm Water Discharges

The Brooks Landfill site was inspected for the presence of non-storm water discharges, (Appendix A, Worksheets #5 & #6). A visual inspection of the site's storm water outfalls revealed no non-storm water discharges; however, the facility should be inspected periodically to verify this conclusion is valid throughout the year. It is most convenient to conduct these inspections concurrently with the routine monthly inspections of the facilities.

The inspector should walk the site and trace the sources of any flows leaving the site that occur during dry weather. Non-storm water flows may result from illicit connections to the sanitary sewer system or from overland flow of process water. All storm sewer outfalls should be checked for the presence of non-storm water flows.

3.2 Description of Potential Pollution Sources

There is one location of activity where potential contaminants could come in contact with storm water and it is on the site map.

3.2.1 Fueling Area

This area is located along the West Street entrance road. The fuel pumps are used to supply diesel and gasoline. Two AST's, with audible overflow alarms, are located within secondary containment. There is an SPCC Plan for this entire site.

At this time, the Brooks Landfill has absorbent material onsite that is used if there are visible oil marks on the concrete or if fuel is spilled from the fuel pumps. After use, the absorbing material is removed and disposed. Below is a photograph of the fueling area.

Figure 3-3. Fueling Area

3.3 Existing Storm Water Sampling Data

Brooks Landfill was sampled during two rain events in 1991. The results of that sampling is contained the City's original Permit application dated September 1992. It is not anticipated that KDHE will require monitoring of storm water in the future.

4 POLLUTION PREVENTION MEASURES AND CONTROLS (BMPs)

The following section identifies BMPs that will be implemented as part of this SWPPP (Appendix A, Worksheet #8).

4.1 Good Housekeeping

The most elementary, yet one of the most effective, of all BMPs is the practice of good housekeeping. For the Brooks Landfill, this consists of the following:

(1) Debris exposed to stormwater should be collected and removed from the site.
(2) Work area cleanup should follow any task, no matter how small.

Currently, the lead site maintenance worker conducts weekly site inspections to ensure good housekeeping at the site. Good housekeeping will be stressed to the employees during their annual employee training. Particular attention should be paid to the areas around fuel dispensing stations and the roadwork materials storage area.

4.2 Spill Prevention and Response Procedures

If spills occur, having proper procedures in place can prevent a spill from becoming a potentially large environmental problem. Currently, the Brooks Landfill does have a Spill Prevention Control and Countermeasure Plan in place. There has not been a spill of any significant amount of material in the past three years. Despite this excellent performance, spill prevention and response procedures must be followed in the event that a spill occurs in the future. Worksheet #4 in Appendix F can be used to record the date and time of any future spills.

4.3 Inspections

Inspections involve visually checking the potential sites of pollution on a periodic basis to confirm that good housekeeping procedures on being followed. The inspection currently occurs weekly by the lead site maintenance worker; however, it is not currently documented. To comply with KDHE Storm water Pollution Prevention Plan guidelines, a monthly record of the inspections should be kept for a period of three years in Appendix B, and a set of follow-up procedures should be in place so that corrective actions can occur if needed (A blank inspection form is included at the end of Appendix G).

4.4 Employee Training

All Brooks Landfill employees that are responsible for storm water pollution prevention at the facility will receive training, and this training will be thoroughly documented. Training will address the following subjects:

(1) Familiarization with all BMPs in place and ensuring that employees understand the requirements and contents of the SWPPP.
(2) Proper handling of all materials used or commonly encountered at the facility.

Employee training will be conducted initially when the SWPPP is presented to the facility. Annual refresher and new hire training will be conducted by the SWPPP Pollution Prevention Team. Worksheet #10 included in Appendix D can be used to document training.

4.5 Erosion Control Measures

For sites that are largely unpaved without adequate ground cover, soil erosion can transport large quantities of suspended sediment into the downstream waterways. However, during the site visit, it was not apparent that soil erosion is a significant problem at the Brooks Landfill. The relatively small areas without vegetation and the mild slopes keep erosion from becoming a significant problem. However, future Comprehensive Site Compliance Evaluations by the Pollution Prevention Team should include looking for signs of erosion and assess the need for implementation of erosion-control BMPs.

4.6 Record Keeping and Internal Reporting Procedures

Accurate and thorough records of all activities are essential to maintaining the SWPPP and storm water quality. Records of the monthly inspections (Appendix B), the Comprehensive Site Compliance Evaluation Reports (Appendix C), employee training records (Appendix D), and any future spills or leaks that occur (Appendix E) will be kept on site with the SWPPP. These records will be readily available for review by regulatory agencies.

5 MONITORING, REPORTING, AND RECORD KEEPING REQUIREMENTS

5.1 Sampling Requirements

At this time, KDHE is not requiring that quantative chemical analysis be conducted on the storm water leaving the site; however, periodically during wet weather events, storm water should be visually inspected for the presence of pollutants. It is recommended that the visual inspection of the storm water be conducted periodically during the spring when wet weather events are typically frequent. Each of the two storm water outfalls identified in Section 3 should be observed. The inspection should indicate whether an oil sheen, foam, suspended solids, or floating solids are present and the color and clarity of the storm water. The results of the visual inspection of the storm water will be included in the Comprehensive Site Compliance Evaluation Report (Appendix C).

5.2 Comprehensive Site Compliance Evaluation and Report

A Comprehensive Site Compliance Evaluation inspection should be conducted on an annual basis to determine whether site conditions have changed, whether the SWPPP needs to be revised, and whether the SWPPP procedures are effective. The SWPPP should be modified if any deficiencies are identified based on the evaluation or additional BMPs could be implemented. If a BMP is identified that will be implemented, Worksheet #9 (a blank form is included in Appendix G) should be utilized and included with the Comprehensive Site Compliance Evaluation Report. Examples of changes that would result in a revision are regrading of the existing site, an additional material added to the site that could contribute to storm water pollution, or a request for chemical analysis of storm water by KDHE.

The inspection should target the two storm water outfalls and the fueling area that could potentially contribute to storm water pollution. (identified on the Site Map, Appendix A). In addition, the inspection should look for signs of erosion around the site.

It is recommended that the Brooks Landfill develop a report format for this inspection or utilize Worksheet #11 in Appendix C. The report should contain the following information: the cleanliness of the areas, a visual inspection of the storm water outfalls, confirming that non-storm water discharges are not present, the documented visual analysis of the storm water runoff from each of the outfalls, and if there were any changes to site map. These changes should be identified and the site map updated. The report must be included in Appendix C within two weeks of the Comprehensive Site

Compliance Evaluation inspection. If the report identifies additional measures that should be taken to reduce storm water pollution, the measures must be implemented within 12 weeks, and the update recorded on Worksheet #12 (a blank form is included in Appendix G). The updated worksheet should be included with the Comprehensive Site Compliance Evaluation Report.

6 REFERENCES

USEPA, Storm Water Management for Industrial Activities – Developing Pollution Prevention Plans and Best Management Practices, 1992.

KDHE, Storm Water Pollution Prevention Plan Requirements and Guidelines, Attachment A, no date.

Worksheet #1 POLLUTION PREVENTION TEAM MEMBER ROSTER	Facility name: Brooks Landfill Completed by: Jim Hardesty Title: Storm Water Specialist Date: 08/14/09

Leader: Aaron Henning

Title: Assistant Maintenance Engineer

Office Phone: 316-268-4087

Responsibilities:

1) Signatory authourity; 2) Coordinate employee training program; 3) Ensure that all SWPPP requirements are performed

Members:

(1) Tony DeCicco

Title: Maintenance Engineer

Office Phone: 316-268-4081

Responsibilities:

1) Conduct annual site evaluations; 2) Perform employee training; 3) Conduct weekly site inspections

(2) _____

Title: _____

Office Phone: _____

Responsibilities:

(3) _____

Title: _____

Office Phone: _____

Responsibilities:

(4) _____

Title: _____

Office Phone: _____

Responsibilities:

Worksheet #2 DEVELOPING A SITE MAP	Facility name: Brooks Landfill Completed by: Jim Hardesty Title: Storm Water Specialist Date: 08/14/09

Instructions: Draw a map of your site including a footprint of all buildings, structures, paved areas, and parking lots. The information below describes additional elements required by EPA's General Permit.

EPA's General Permit requires the following features on the site map:

- All outfalls and storm water discharges
- Drainage areas of each storm water outfall
- Structural storm water pollution control measures, such as:
  - Flow diversion structures
  - Retention/detention ponds
  - Vegetative swales
  - Sediment traps
- Name of receiving waters (or if through a Municipal Separate Storm Sewer System)
- Locations of exposed significant materials
- Locations of past spills and leaks
- Locations of high-risk, waste-generating areas and activities common on industrial sites such as:
  - Fueling stations
  - Vehicle/equipment washing and maintenance areas
  - Area for unloading/loading materials
  - Above-ground tanks for liquid storage
  - Industrial waste management areas (landfills, waste piles, treatment plants, disposal areas)
  - Outside storage areas for raw materials, by-products, and finished products
  - Outside manufacturing areas
  - Other areas of concern (specify: _____)

Worksheet #3 MATERIAL INVENTORY	Facility name: Brooks Landfill Completed by: Jim Hardesty Title: Storm Water Specialist Date: 08/14/09

Instructions: List all materials used, stored, or produced onsite. Assess and evaluate these materials for their potential to contribute pollutants to storm water runoff. Also complete Worksheet 3A if the material has been exposed during the last 3 years.

Material	Purpose/Location	Quantity (gallons)			Quantity Exposed in Last 3 Years	Likelihood of contact with storm water. If yes, describe reason.	Past Significant Spill or Leak	
		Used	Produced	Stored			Yes	No
Unleaded Gasoline	Fueling Area	varies		3,000	None	Not likely, secondary containment		No
Diesel	Fueling Area	varies		3,000	None	Not likely, secondary containment		No

Worksheet #4

LIST OF SIGNIFICANT SPILLS AND LEAKS

Facility name: Brooks Landfill
Completed by: Jim Hardesty
Title: Storm Water Specialist
Date: 08/14/09

Directions: Record below all significant spills and significant leaks of toxic or hazardous pollutants that have occurred at the facility in the three years prior to the effective date of the permit.

Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

1st Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	
None										

2nd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

3rd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

Worksheet #5 NON-STORM WATER DISCHARGE ASSESSMENT AND CERTIFICATION	Facility name: Brooks Landfill Completed by: Jim Hardesty Title: Storm Water Specialist Date: 08/14/09

Date of Test or Evaluation	Outfall Directly Observed During the Test (identify as indicated on the site map)	Method Used to Test or Evaluate Discharge	Describe Results from Test for the Presence of Non-Storm Water Discharge	Identify Potential Significant Sources	Name of Person Who Conducted the Test or Evaluation
08/14/09	Outfall 1	Visual	No discharge observed	Fueling Area	Jim Hardesty
08/14/09	Outfall 2	Visual	No discharge observed	Fueling Area	Jim Hardesty

CERTIFICATION

I, (responsible corporate official), certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #6 NON-STORM WATER DISCHARGE ASSESSMENT AND FAILURE TO CERTIFY NOTIFICATION	Facility name: Brooks Landfill Completed by: Jim Hardesty Title: Storm Water Specialist Date: 08/14/09

Directions: If you cannot feasibly test or evaluate an outfall, fill in the table below with the appropriate information and sign this form to certify the accuracy of the included information.

List all outfalls not tested or evaluated, describe any potential sources of non-storm water pollution from listed outfalls, and state the reason(s) why certification is not possible. Use the key from your site map to identify each outfall.

Important Notice: A copy of this notification must be signed and submitted to the Director within 180 days of the effective date of this permit.

Identify Outfall Not Tested/Evaluated	Description of Why Certification Is Infeasible	Description of Potential Sources of Non-Storm Water Pollution
All outfalls evaluated		

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations, and that such notification has been made to the Director within 180 days of _____ (date permit was issued), the effective date of this permit.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #7	Facility:	Brooks Landfill
	Completed By:	Jim Hardesty
Pollutant Source Identification	Title:	Storm Water Specialist
	Date:	08/14/09

Instructions: List all identified stormwater pollutant sources and describe existing management practices that address those sources. In the third column, list Best Management Practice (BMP) options that can be incorporated into the plan to address remaining sources of pollutants.

Storm Water Pollutant Sources	Existing Management Practices	Description of New BMP Options
1 Gasoline and Diesel Fuel from fueling station	Absorbent material used for cleanup	None required
2		
3		
4		
5		
6		

Worksheet #8	Facility: Brooks Landfill
	Completed By: Jim Hardesty
BMP Identification	Title: Storm Water Specialist
	Date: 08/14/09 (page 1)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Good Housekeeping	1) Debris should be collected and removed from the site 2) Work area cleanup should follow any task, no matter how small
Inspections	1) Monthly visual inspection of Potential Pollution sources and Stormwater Outfalls
Employee Training	1) Familiarization with all BMPs in place and ensuring that employees understan the requirements and contents of the SWPPP 2) Proper handling of all materials used or commonly encountered at the facility. 3) Must be conducted annually

Worksheet #8	Facility: Brooks Landfill
	Completed By: Jim Hardesty
BMP Identification	Title: Storm Water Specialist
	Date: 08/14/09 (page2)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Record Keeping and Internal Reporting Procedures	1) Keep records of revisions to the SWPPP, inspection reports, employee training records, and any spills or leaks that occur onsite.

Worksheet #9 BMP Implementation	Facility: Brooks Landfill Completed By: Jim Hardesty		
BMP	**Action Required for Implementation**	**Completion Date:**	**Person Responsible:**

(Fill-in areas are spaced for elite type, i.e., 12 characters/inch).

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

F SITE 3 of 9 (BROOKS) D

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms.**

SPECIFIC QUESTIONS	MARK 'X' YES	MARK 'X' NO	MARK 'X' FORM ATTACHED
A. Is this facility a publicly owned **treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X	
B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.**? (FORM 2B)		X	
C. Is this a facility which currently results in **discharges** to **waters of the U.S.** other than those described in A or B above? (FORM 2C)		X	
D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge** to **waters of the U.S.**? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3)		X	
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	
J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP BROOKS LANDFILL

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*		
2 TAYLOR, PAUL, ASSISTANT MAINTENANCE ENGINEER	316	268	4087

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 1801 SOUTH McLEAN BOULEVARD

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 WICHITA	KS	67213

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 4100 NORTH WEST STREET

B. COUNTY NAME

SEDGWICK

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6 WICHITA	KS	67204	N/A

CONTINUE ON REVERSE

CONTINUED FROM THE FRONT

Site 3 of 9 (BROOKS)

VII. SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
7 4953 (specify) REFUSE SYSTEMS - ACTIVE LANDFILL	7 (specify) N/A
C. THIRD	**D. FOURTH**
7 (specify) N/A	7 (specify) N/A

VIII. OPERATOR INFORMATION

A. NAME

8 CITY OF WICHITA PUBLIC WORKS DEPARTMENT

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)

F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC (other than federal or state)
O = OTHER (specify)

M (specify)

D. PHONE (area code & no.)

A 316 268 4501

E. STREET OR P.O. BOX

CITY HALL,8th FLOOR, 455 N. MAIN

F. CITY OR TOWN	G. STATE	H. ZIP CODE
B WICHITA	KS	67202

IX. INDIAN LAND

Is the facility located on Indian lands? [ ] YES [X] NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water): 9 N N/A	**D. PSD** (Air Emissions from Proposed Sources): 9 P N/A
B. UIC (Underground Injection of Fluids): 9 U N/A	**E. OTHER** (specify): 9 KDHE No. 496 (specify) Operating Permit (Attached)
C. RCRA (Hazardous Wastes): 9 R N/A	**E. OTHER** (specify): 9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

See attached site narrative

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Michael E. Lindebak, P.E. City Engineer	Michael E. Lindebak	9-24-92

COMMENTS FOR OFFICIAL USE ONLY

C

☆ U.S. Government Printing Office : 1985 - 486-785/32991

Please print or type in the unshaded areas only

EPA ID Number (copy from item I of Form 1)
Site 3 of 9 (BROOKS)

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

Form 2F NPDES

United States Environmental Protection Agency
Washington, DC 20460

EPA Application for Permit To Discharge Stormwater Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, and other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M. St., SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the recieving water.

A. Outfall Number (list)	B. Latitude			C. Longitude			D. Receiving Water (name)
A	37	45	10	97	22	42	Arkansas River
B	37	45	54	97	22	47	Arkansas River

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges desicribed in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letter, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.
None					

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction. NONE

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

Continued on Page 2

Continued from Page 1

EPA ID Number (copy from Item I of Form 1)
Site 3 of 9 (BROOKS)

IV. Narative Description of Pollutant Sources

A. For each outfall, provide an estimate of the are (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
	See Attached Site Narrative				

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method or treatment, storage, or disposal; past and present materials management practices employed, in the last three years, to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditions, and fertilizers are applied.

See Attached Site Narrative

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water recieves, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
A	Local detention/sedimentation	1-Y
B	None	4-A

V. Nonstormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharges from thes outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed
Michael E Lindebak, P.E. City Engineer	Michael E Lindebak	9-24-92

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

A. Visual inspection of surface water conveyance systems.
B. Examination of all existing storm sewer/site map schematics.

Date of Field Inspection: 8/11/91 By: Paul Woodruff, Wilson & Co.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

See Attached Site Narrative

Continued on Page 3

Continued from Page 2

EPA ID Number (copy from item I of Form 1)
Site 3 of 9 (BROOKS)

VII. Discharge Information

A, B, C, & D: See instructions before porceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Table VII–A, VII–B, and VII–C are included on separate sheets numbered VII–1 and VII–2.

E: Potential discharges not covered by analysis – is any pollutant listed in Table 2F–2 a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ Yes (list all such pollutants below) ☒ No (go to Section IX)

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (list all such pollutants below) ☒ No (go to Section IX)

IX. Contract Analysis Information

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☒ Yes (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below) ☐ No (go to Section IX)

A. Name	B. Address	C. Areas Code & Phone No.	D. Pollutants Analyzed
Wilson Laboratories (now Continental Analytical Services, as of 1/92)	525 N. 8th Street Salina, KS 67402–1820	(913) 825–7186	All Required

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons dircetly responsible for gathering the information, the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Offical Title (type or print)	B. Area Code and Phone No.
Michael E Lindebak, P.E., City Engineer	(316) 268–4501
C. Signature	D. Date Signed
Michael E Lindebak	9-24-92

EPA ID Number (copy from Item 1 of Form 1)
Site 3 of 9 (BROOKS) – Monitoring Location No. 1 of 3 | Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	32 mg/L	N/A	16 mg/L	N/A	2	Surface Runoff
Biological Oxygen Demand (BOD5)	11.0 mg/L	19.0 mg/L	7.9 mg/L	12.3 mg/L	2	Surface Runoff
Chemical Oxygen Demand (COD5)	86.0 mg/L	126.0 mg/L	58.9 mg/L	75.0 mg/L	2	Surface Runoff
Total Suspended Solids (TSS)	12480 mg/L	26667 mg/L	8763 mg/L	15142 mg/L	2	Surface Runoff
Total Kjeldahl Nitrogen	1.96 mg/L	1.66 mg/L	1.54 mg/L	1.40 mg/L	2	Surface Runoff
Nitrate plus Nitrite Nitrogen	0.6 mg/L	8.6 mg/L	0.3 mg/L	5.2 mg/L	2	Surface Runoff
Total Phosphorus	0.0 mg/L	0.0 mg/L	0.0 mg/L	0.0 mg/L	2	Surface Runoff
pH	Minimum 6.94		Maximum 7.42			

EPA ID Number (copy from Item 1 of Form 1)
Site 3 of 9 (BROOKS) – Monitoring Location No. 1 of 3

Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part B – List each pollutant that is limited in an effluent guildeline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite		
Fluoride (mg/L)	1	2.5	0.5	1.8	2	Surface Runoff
Iron (mg/L)	0	0	0	0	2	Surface Runoff
Manganese (mg/L)	5940	2790	3610	1838	2	Surface Runoff
Sulfate (mg/L)	53	44	39	38	2	Surface Runoff
Specific Conductivity (umhos/cm)	210	0	195	0	2	Surface Runoff
Magnesium (mg/L)	41.9	29.6	21	14.8	2	Surface Runoff
Chlorides (mg/L)	37	29	32	27	2	Surface Runoff
Total Potassium (mg/L)	52.5	25.8	10.4	18.2	2	Surface Runoff
Barium (ug/L)	4280	2210	2655	1484	2	Surface Runoff
Arsenic (ug/L)	31	46.5	21.4	34.8	2	Surface Runoff
Beryllium (ug/L)	15	27	8	14	2	Surface Runoff
Cadmium (ug/L)	0	0	0	0	2	Surface Runoff
Chromium (ug/L)	191	375	136	214	2	Surface Runoff
Copper (ug/L)	226	398	161.5	472	2	Surface Runoff
Lead (ug/L)	179	344	134.5	208.7	2	Surface Runoff
Mercury (ug/L)	0.61	4.1	0.46	2.2	2	Surface Runoff
Nickel (ug/L)	190	350	142	207	2	Surface Runoff
Selenium (ug/L)	0	0	0	0	2	Surface Runoff
Zinc (ug/L)	662	1330	519	767	2	Surface Runoff
Antimony (ug/L)	0	0	0	0	2	Surface Runoff
DI–N–Butyl Phthalate (ug/L)	0	0	0	0	2	Surface Runoff
Pyrene (ug/L)	0	0	0	0	2	Surface Runoff
Volatile Organic Acids (ug/L)	0	0	0	0	2	Surface Runoff
Pesticides (ug/L)	0	0	0	0	2	Surface Runoff
Phenols (mg/L)	0	–	0	–	2	Surface Runoff

VII. Discharge Information (Continued from page 3 of Form 2F)

Part C – List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Ammonia Nitrogen (mg/L)	0.3	0.2	0.2	0.2	2	Surface Runoff
Bromide (mg/L)	0	0	0	0	2	Surface Runoff
Fluoride (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Iron (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Manganese (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Sulfate (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Specific Conductivity (umhos/cm)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Boron (mg/L)	0.135	0	0.068	0	2	Surface Runoff
Magnesium (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Aluminum (mg/L)	450	220	270	138	2	Surface Runoff
Chlorides (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Surfactants (mg/L)	0	0	0	0	2	Surface Runoff
Residual Chlorine (mg/L)	0	0	0	0	2	Surface Runoff
Total Potassium (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Barium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Cobalt (ug/L)	137	63	69	32	2	Surface Runoff
Titanium (ug/L)	686	538	563	269	2	Surface Runoff
Arsenic (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Beryllium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Cadmium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff

VII. Discharge Information (Continued from page 3 of Form 2F)

Part C – List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Chromium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Copper (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Lead (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Mercury (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Nickel (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Selenium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Gold (ug/L)	0	26	0	13	2	Surface Runoff
Thorium (ug/L)	0	0	0	0	2	Surface Runoff
Zinc (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Antimony (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Cyanide (mg/L)	0	0	0	0	2	Surface Runoff
Di-N-Butyl Phthalate (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Pyrene (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Volatile Organic Acids (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Pesticides (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Herbicides (ug/L)	0	0	0	0	2	Surface Runoff
Fecal Coliforms (ug/L)	0	0	0	0	2	Surface Runoff
Phenols (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Methylene Chloride (ug/L)	–	0	–	0	2	Surface Runoff

EPA ID Number (copy from Item 1 of Form 1)
Site 3 of 9 (BROOKS) – Monitoring Location 1 of 3 | Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6. Total flow from rain event (gallons or specify units)	7. Season sample was taken	8. Form of Precipitation (rainfall, snowmelt)
	(minutes)	(inches)	(hours)	(gallons/minute)	(gallons)		
09/17/91	180	0.10	238	2,853	46,790	Summer	Rainfall
11/16/91	192	0.31	385	1,187	125,050	Fall	Rainfall

9. Provide a description of the method of flow measurement or estimate.

An automated flow meter and sampling device, American Sigma Model 800SL, was used at this monitoring station. Each device setup included a flow meter with a sensor probe, sample collection bottles, a sample collection probe, a calibrated weir or orifice control section, an integral rain gauge, and a data recording and storage device. This automated setup was used to collect and composite flow-weighted samples, as well as to record instantaneous and cumulative rainfall, flow, and sampling data. The first-flush "grab" sample was taken manually by hand within the first 30 minutes of rainfall. All the above data for EPA Form 2F, VII, Part D was obtained from the automated recording device. All samples were taken, stored, and analyzed per EPA requirements.

EPA ID Number (copy from Item 1 of Form 1)
Site 3 of 9 (BROOKS) – Monitoring Location No. 2 of 3 | Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite		
Oil and Grease	0 mg/L	N/A	0 mg/L	N/A	2	Surface Runoff
Biological Oxygen Demand (BOD5)	25.0 mg/L	24.0 mg/L	18.0 mg/L	12.0 mg/L	2	Surface Runoff
Chemical Oxygen Demand (COD5)	145.0 mg/L	127.0 mg/L	142.0 mg/L	64.0 mg/L	2	Surface Runoff
Total Suspended Solids (TSS)	7233 mg/L	242 mg/L	3806 mg/L	121 mg/L	2	Surface Runoff
Total Kjeldahl Nitrogen	1.68 mg/L	1.12 mg/L	0.84 mg/L	0.56 mg/L	2	Surface Runoff
Nitrate plus Nitrite Nitrogen	0.2 mg/L	0.2 mg/L	0.1 mg/L	0.1 mg/L	2	Surface Runoff
Total Phosphorus	0.0 mg/L	0.0 mg/L	0.0 mg/L	0.0 mg/L	2	Surface Runoff
pH	Minimum 7.01		Maximum 7.15			

EPA ID Number (copy from Item 1 of Form 1)
Site 3 of 9 (BROOKS) – Monitoring Location No. 2 of 3

Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part B – List each pollutant that is limited in an effluent guildeline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Fluoride (mg/L)	1.8	1.3	1.6	0.6	2	Surface Runoff
Iron (mg/L)	0	0	0	0	2	Surface Runoff
Manganese (mg/L)	1880	108	977	56	2	Surface Runoff
Sulfate (mg/L)	58	58	30	29	2	Surface Runoff
Specific Conductivity (umhos/cm)	350	0	250	0	2	Surface Runoff
Magnesium (mg/L)	44.5	16.4	29.8	8.2	2	Surface Runoff
Chlorides (mg/L)	108	60	84	30	2	Surface Runoff
Total Potassium (mg/L)	19.3	6.3	12.9	3.2	2	Surface Runoff
Barium (ug/L)	1580	0	790	0	2	Surface Runoff
Arsenic (ug/L)	39.5	0	19.8	0	2	Surface Runoff
Beryllium (ug/L)	9	0	4	0	2	Surface Runoff
Cadmium (ug/L)	0	0	0	0	2	Surface Runoff
Chromium (ug/L)	121	0	60	0	2	Surface Runoff
Copper (ug/L)	147	0	74	0	2	Surface Runoff
Lead (ug/L)	107	9.8	56.9	4.9	2	Surface Runoff
Mercury (ug/L)	0.56	0	0.28	0.14	2	Surface Runoff
Nickel (ug/L)	0	0	0	0	2	Surface Runoff
Selenium (ug/L)	0	0	0	0	2	Surface Runoff
Zinc (ug/L)	421	43	226	34	2	Surface Runoff
Antimony (ug/L)	0	0	0	0	2	Surface Runoff
Di-N-Butyl Phthalate (ug/L)	0	0	0	0	2	Surface Runoff
Pyrene (ug/L)	0	0	0	0	2	Surface Runoff
Volatile Organic Acids (ug/L)	0	0	0	0	2	Surface Runoff
Pesticides (ug/L)	0	0	0	0	2	Surface Runoff
Phenols (mg/L)	0	–	0	–	2	Surface Runoff

VII. Discharge Information (Continued from page 3 of Form 2F)

Part C – List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Ammonia Nitrogen (mg/L)	0.1	0.4	0.1	0.4	2	Surface Runoff
Bromide (mg/L)	0	0	0	0	2	Surface Runoff
Fluoride (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Iron (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Manganese (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Sulfate (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Specific Conductivity (umhos/cm)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Boron (mg/L)	0	0	0	0	2	Surface Runoff
Magnesium (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Aluminum (mg/L)	140	9.69	73.57	4.84	2	Surface Runoff
Chlorides (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Surfactants (mg/L)	0	0	0	0	2	Surface Runoff
Residual Chlorine (mg/L)	0	0	0	0	2	Surface Runoff
Total Potassium (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Barium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Cobalt (ug/L)	0	0	0	0	2	Surface Runoff
Titanium (ug/L)	583	167	358	84	2	Surface Runoff
Arsenic (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Beryllium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Cadmium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff

VII. Discharge Information (Continued from page 3 of Form 2F)

Part C – List each pollutant shown in Tables 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite		
Chromium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Copper (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Lead (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Mercury (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Nickel (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Selenium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Gold (ug/L)	0	0	0	0	2	Surface Runoff
Thorium (ug/L)	0	0	0	0	2	Surface Runoff
Zinc (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Antimony (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Cyanide (mg/L)	0.025	0	0.012	0	2	Surface Runoff
DI–N–Butyl Phthalate (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Pyrene (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Volatile Organic Acids (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Pesticides (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Herbicides (ug/L)	0	0	0	0	2	Surface Runoff
Fecal Coliforms (ug/L)	0	0	0	0	2	Surface Runoff
Phenols (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Methylene Chloride (ug/L)	–	0	–	0	2	Surface Runoff

EPA ID Number (copy from Item 1 of Form 1)
Site 3 of 9 (BROOKS) – Monitoring Location 2 of 3 | Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6. Total flow from rain event (gallons or specify units)	7. Season sample was taken	8. Form of Precipitation (rainfall, snowmelt)
	(minutes)	(inches)	(hours)	(gallons/minute)	(gallons)		
09/17/91	180	0.10	238	1,322	26,390	Summer	Rainfall
11/16/91	130	0.15	385	178	6,660	Fall	Rainfall

9. Provide a description of the method of flow measurement or estimate.

An automated flow meter and sampling device, American Sigma Model 800SL, was used at this monitoring station. Each device setup included a flow meter with a sensor probe, sample collection bottles, a sample collection probe, a calibrated weir or orifice control section, an integral rain gauge, and a data recording and storage device. This automated setup was used to collect and composite flow-weighted samples, as well as to record instantaneous and cumulative rainfall, flow, and sampling data. The first-flush "grab" sample was taken manually by hand within the first 30 minutes of rainfall. All the above data for EPA Form 2F, VII, Part D was obtained from the automated recording device. All samples were taken, stored, and analyzed per EPA requirements.

EPA ID Number (copy from Item 1 of Form 1)
Site 3 of 9 (BROOKS) – Monitoring Location No. 3 of 3

Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil and Grease	0 mg/L	N/A	1 mg/L	N/A	2	Surface Runoff
Biological Oxygen Demand (BOD5)	7.9 mg/L	4.9 mg/L	4.0 mg/L	2.4 mg/L	2	Surface Runoff
Chemical Oxygen Demand (COD5)	43.0 mg/L	31.8 mg/L	38.0 mg/L	41.9 mg/L	2	Surface Runoff
Total Suspended Solids (TSS)	242 mg/L	158 mg/L	174 mg/L	128 mg/L	2	Surface Runoff
Total Kjeldahl Nitrogen	2.00 mg/L	5.00 mg/L	1.56 mg/L	3.06 mg/L	2	Surface Runoff
Nitrate plus Nitrite Nitrogen	3.1 mg/L	4.2 mg/L	1.5 mg/L	2.1 mg/L	2	Surface Runoff
Total Phosphorus	0.6 mg/L	0.5 mg/L	0.3 mg/L	0.4 mg/L	2	Surface Runoff
pH	Minimum 5.8	Maximum 7.14				

EPA ID Number (copy from Item 1 of Form 1)
Site 3 of 9 (BROOKS) – Monitoring Location No. 3 of 3

VII. Discharge Information (Continued from page 3 of Form 2F)

Part B – List each pollutant that is limited in an effluent guildeline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Fluoride (mg/L)	0.4	0.3	0.3	0.2	2	Surface Runoff
Iron (mg/L)	0	0	0	0	2	Surface Runoff
Manganese (mg/L)	115	116	58	58.04	2	Surface Runoff
Sulfate (mg/L)	72	71	36	36	2	Surface Runoff
Specific Conductivity (umhos/cm)	120	0	88	0	2	Surface Runoff
Magnesium (mg/L)	10	12	7.6	8.6	2	Surface Runoff
Chlorides (mg/L)	46	52	28	30	2	Surface Runoff
Total Potassium (mg/L)	14	14	10.6	10.4	2	Surface Runoff
Barium (ug/L)	300	200	150	200	2	Surface Runoff
Arsenic (ug/L)	0	0	0	0	2	Surface Runoff
Beryllium (ug/L)	0	0	0	0	2	Surface Runoff
Cadmium (ug/L)	1	0	0	0	2	Surface Runoff
Chromium (ug/L)	0	0	0	0	2	Surface Runoff
Copper (ug/L)	0	0	0	0	2	Surface Runoff
Lead (ug/L)	13.6	15.5	10.8	11.8	2	Surface Runoff
Mercury (ug/L)	0	0.27	0	0	2	Surface Runoff
Nickel (ug/L)	0	0	0	0	2	Surface Runoff
Selenium (ug/L)	0	0	0	0	2	Surface Runoff
Zinc (ug/L)	63	390	62	230	2	Surface Runoff
Antimony (ug/L)	0	0	0	0	2	Surface Runoff
Di-N-Butyl Phthalate (ug/L)	0	0	0	0	2	Surface Runoff
Pyrene (ug/L)	0	0	0	0	2	Surface Runoff
Volatile Organic Acids (ug/L)	0	0	0	0	2	Surface Runoff
Pesticides (ug/L)	0	0	0	0	2	Surface Runoff
Phenols (mg/L)	0	–	0	–	2	Surface Runoff

VII. Discharge Information (Continued from page 3 of Form 2F)

Part C – List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Ammonia Nitrogen (mg/L)	0	0.2	0	0.2	2	Surface Runoff
Bromide (mg/L)	0.7	0.8	0.35	0.5	2	Surface Runoff
Fluoride (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Iron (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Manganese (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Sulfate (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Specific Conductivity (umhos/cm)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Boron (mg/L)	0	0	0	0	2	Surface Runoff
Magnesium (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Aluminum (mg/L)	7.66	8	5.38	7.01	2	Surface Runoff
Chlorides (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Surfactants (mg/L)	0	0	0	0	2	Surface Runoff
Residual Chlorine (mg/L)	0	0	0	0	2	Surface Runoff
Total Potassium (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Barium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Cobalt (ug/L)	0	0	0	0	2	Surface Runoff
Titanium (ug/L)	123	130	112	115	2	Surface Runoff
Arsenic (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Beryllium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Cadmium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff

VII. Discharge Information (Continued from page 3 of Form 2F)

Part C – List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Chromium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Copper (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Lead (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Mercury (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Nickel (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Selenium (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Gold (ug/L)	0	0	0	0	2	Surface Runoff
Thorium (ug/L)	0	0	0	0	2	Surface Runoff
Zinc (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Antimony (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Cyanide (mg/L)	0	0	0	0	2	Surface Runoff
Di-N-Butyl Phthalate (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Pyrene (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Volatile Organic Acids (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Pesticides (ug/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Herbicides (ug/L)	0	0	0	0	2	Surface Runoff
Fecal Coliforms (ug/L)	0	0	0	0	2	Surface Runoff
Phenols (mg/L)	See Part B	See Part B	See Part B	See Part B	2	Surface Runoff
Methylene Chloride (ug/L)	–	0	–	0	2	Surface Runoff

EPA ID Number (copy from Item 1 of Form 1)
Site 3 of 9 (BROOKS) – Monitoring Location 3 of 3 | Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6. Total flow from rain event (gallons or specify units)	7. Season sample was taken	8. Form of Precipitation (rainfall, snowmelt)
	(minutes)	(inches)	(hours)	(gallons/minute)	(gallons)		
11/15/91	240	0.59	361	14	480	Fall	Rainfall
03/17/92	877	0.79	216	58	4,390	Winter	Rainfall

9. Provide a description of the method of flow measurement or estimate.

An automated flow meter and sampling device, American Sigma Model 800SL, was used at this monitoring station. Each device setup included a flow meter with a sensor probe, sample collection bottles, a sample collection probe, a calibrated weir or orifice control section, an integral rain gauge, and a data recording and storage device. This automated setup was used to collect and composite flow-weighted samples, as well as to record instantaneous and cumulative rainfall, flow, and sampling data. The first-flush "grab" sample was taken manually by hand within the first 30 minutes of rainfall. All the above data for EPA Form 2F, VII, Part D was obtained from the automated recording device. All samples were taken, stored, and analyzed per EPA requirements.

CITY OF WICHITA, KANSAS
NPDES STORMWATER PERMIT APPLICATION
MUNICIPAL INDUSTRIAL SITE NARRATIVE DESCRIPTION

SECTION 2.03 - SITE NO. 3 OF 9

GENERAL SITE DESCRIPTION

SITE: Brooks Landfill
ADDRESS: 4100 N. West Street, Wichita, KS 67204
CONTACT: Paul Taylor
PHONE NO: 316/268-4087

The Brooks landfill is an active landfill owned by the City of Wichita. The landfill is operated by Herzog Disposal Service under KDHE Permit No. 496. The landfill is located just north of the intersection of West Street and State Highway 96, in the northwest portion of Wichita. The site lies along the western banks of the Arkansas River before it splits with the Wichita Valley Flood Control Channel. The landfill has been in operation since 1968. Currently, the landfill employs several landfill inspectors who supervise the landfilling activities at all times.

The landfill has a site area estimated at 323 acres. There is an additional 463 acres of adjacent farmland owned by the City but not used at this time for landfill activities. This property is subleased for agricultural purposes.

The site has and continues to receive general wastes from locations throughout the City and Sedgwick County, including municipal and industrial waste sources. Currently, there are three closed cells, several active cells, and several future, undeveloped cells.

Currently, there is construction occurring at the landfill. These activities include the construction of a new maintenance building, construction of new fencing, and drainage regrading. The new maintenance building will include fixed base fueling for landfill equipment, excluding trash trucks.

LOCATION OF STRUCTURES

There is one direct outfall from the site into the Arkansas River, located at the northeastern corner of the site. There is another indirect outfall, located at the southeastern corner of the site. This corner of the site is a future cell location, and is a low spot to which a portion of the site drains. Drainage to this point forms a pond, which eventually percolates through the soil and thus represents an indirect outfall.

The site is entirely surrounded by a drainage ditch and berm system that allows surface drainage to be collected and transferred to either of the two outfalls. The closed cells utilize an interior area drain and ditch system. Drainage from the closed portions flows in all directions to four swales. One swale drains to the south immediately east of the north-south access road, while a second drains to the north and is also located east of the access road. Runoff from the eastern two-thirds of the closed portion of the landfill drains east, where it is directed to a third swale along the eastern boundary of the site. This swale drains to the north to a drainage culvert through the levee at the

northeast corner of the site. Regrading of this area is part of the current construction activities. A fourth swale flows generally east to west between two closed landfill cells in the northeast corner of the site. Drainage along the western boundary of the site is comprised of sheet flow. The active and future cells utilize a series of internal drainage ditches to provide drainage out of the cells. Ultimately, all drainage ends up in the exterior drainage ditch and berm system.

There are a total of three drainage culverts located on the site. The first culvert is the outfall to the Arkansas River at the northeastern corner of the site. The second culvert is located under the West Street entrance into the site, which allows drainage from the western portion to flow under West Street to the ponding area in the southeastern corner of the site. The third culvert is under State Highway 96, which allows offsite drainage to flow under the highway to the ponding area as well.

There is also an existing irrigation pond located on the western undeveloped portion of the site. This pond serves no function in the drainage system of the site, nor is it used for any landfill activities.

LOCATION OF STORMWATER MONITORING SITES

There will be three monitoring locations for this site. The location of these monitoring points are as follows:

Monitoring Location 1 - located at the end of the north-south drainage ditch along the west side of the north-south service road inside the site. This location monitors flows from active cells. Drainage area is 68 acres.

Monitoring Location 2 - located at the end of the north-south drainage ditch along the east side of the north-south service road inside the site. This location monitors flows from closed cells. Drainage area is 33 acres.

Monitoring Location 3 - located within the existing swale upstream of the culvert under the West Street entrance to the site. This location monitors flows from future cells, as well as from portions of active cells. Drainage area is 88 acres.

The total drainage area to these monitoring locations is approximately 189 acres, or 59% of the total 323 acres of site area. These monitoring locations pick up a majority of the site area. Other portions of the site that are unmonitored are not expected to have different runoff characteristics from those within the monitored drainage areas, or contain no significant materials or have any activities needing to be monitored. Therefore, the monitoring locations will be a representative sampling of the stormwater runoff.

DRAINAGE AREAS

Drainage areas to each of the six subareas and to the two major outfalls are as follows:

SUBAREA	DRAINAGE AREA (ACRES)	OUTFALL	DRAINAGE AREA (ACRES)
1	68.0	A	176.0
2	33.0	B	147.0
3	88.0		
4	27.0		
5	19.0		
6	88.0		
UNCONTROLLED	0.0	UNCONTROLLED	0.0
TOTAL	323.0	TOTAL	323.0

IMPERVIOUS AREAS

Of the 323 acres at the Brooks landfill, approximately 0.0 acres (0%) are impervious. The amount of impervious areas for each watershed are as follows:

SUBAREA	IMPERV. D.A. (AC)	% IMPERV.	OUTFALL	IMPERV. D.A. (AC)	% IMPERV.
1	68.0	0	A	176.0	0
2	33.0	0	B	147.0	0
3	88.0	0			
4	27.0	0			
5	19.0	0			
6	88.0	0			
UNCONTR.	0.0	0	UNCONTR.	0.0	0
TOTAL	323.0	0%	TOTAL	323.0	0%

SIGNIFICANT MATERIALS - DISPOSAL AND STORAGE

Significant materials located on-site that are exposed to stormwater may include the following:

- above ground waste oil storage drums.
- above ground fuel storage tanks.
- used tire storage piles.

The amount of these materials fluctuates constantly, and therefore cannot be accurately quantified.

The presence of contaminants from dumped materials may be considered significant materials. However, there are 35 groundwater testing wells located on and around the site, and contaminants are tested for on a regular basis.

MATERIALS MANAGEMENT

Materials management activities practiced at the site, which reduce the incidence of stormwater contamination, include the following:

- containment walls surrounding the above ground waste oil and fuel storage tanks.
- standard landfill practices for covering refuse and establishing new vegetation.
- existing soil and erosion control measures to reduce amount of sediment transport in stormwater runoff.

MATERIALS HANDLING AREAS

Loading and unloading of significant materials listed above occur at the locations indicated on the site map. The handling of general wastes throughout the site may qualify the entire site as a significant material handling area.

CHEMICAL APPLICATIONS AREAS

No chemical applications or storage, such as pesticides, herbicides, fertilizers, or soil conditioners are performed at this facility.

POLLUTANT CONTROL DEVICES

Pollutant control devices employed at the site include the following:

- containment walls surrounding the above ground waste oil and fuel storage tanks. The pollutant removal effectiveness approaches 100%.
- stormwater collection runoff berm and ditch system along the entire perimeter of the site to allow collection of sheet flow stormwater runoff. This controls erosion and allows deposition of sediment from stormwater runoff. It is impossible to quantify the pollutant removal efficiency of this device.

- daily lifts of compacted fill to cover the fresh waste materials, which reduces the probability of direct contact with stormwater runoff. Pollutant control efficiency for this is estimated at 25% to 50%.
- permanent closure caps on the closed cells to eliminate the long-term probability of contact with stormwater runoff. Pollutant control efficiency is estimated at 75%.
- revegetation of disturbed areas to prevent or reduce soil erosion.

STORMWATER TREATMENT

There is no formal treatment of stormwater on this site; however, stormwater that drains to Outfall A will not be discharged. Thus, this area acts as a detention facility which should provide some level of stormwater pollutant removal. All stormwater is ultimately discharged to the Arkansas River.

HISTORY OF LEAKS AND SPILLS

Within the last three years, there has been one incidence of a spill. Used paint filters delivered to the site were erroneously dumped with regular refuse instead of being separated for special disposal. However, the error was caught immediately, and the paint filters were immediately retrieved. All contaminated soils and waste materials were retrieved and disposed of by permit. The spill area is delineated on the site map.

LOCATION OF HAZARDOUS WASTES

There are no hazardous wastes currently stored on the landfill, nor any during the regular operation of the landfill.

LOCATION OF GROUNDWATER SPRINGS/GROUNDWATER WELLS/RECEIVING WATERS

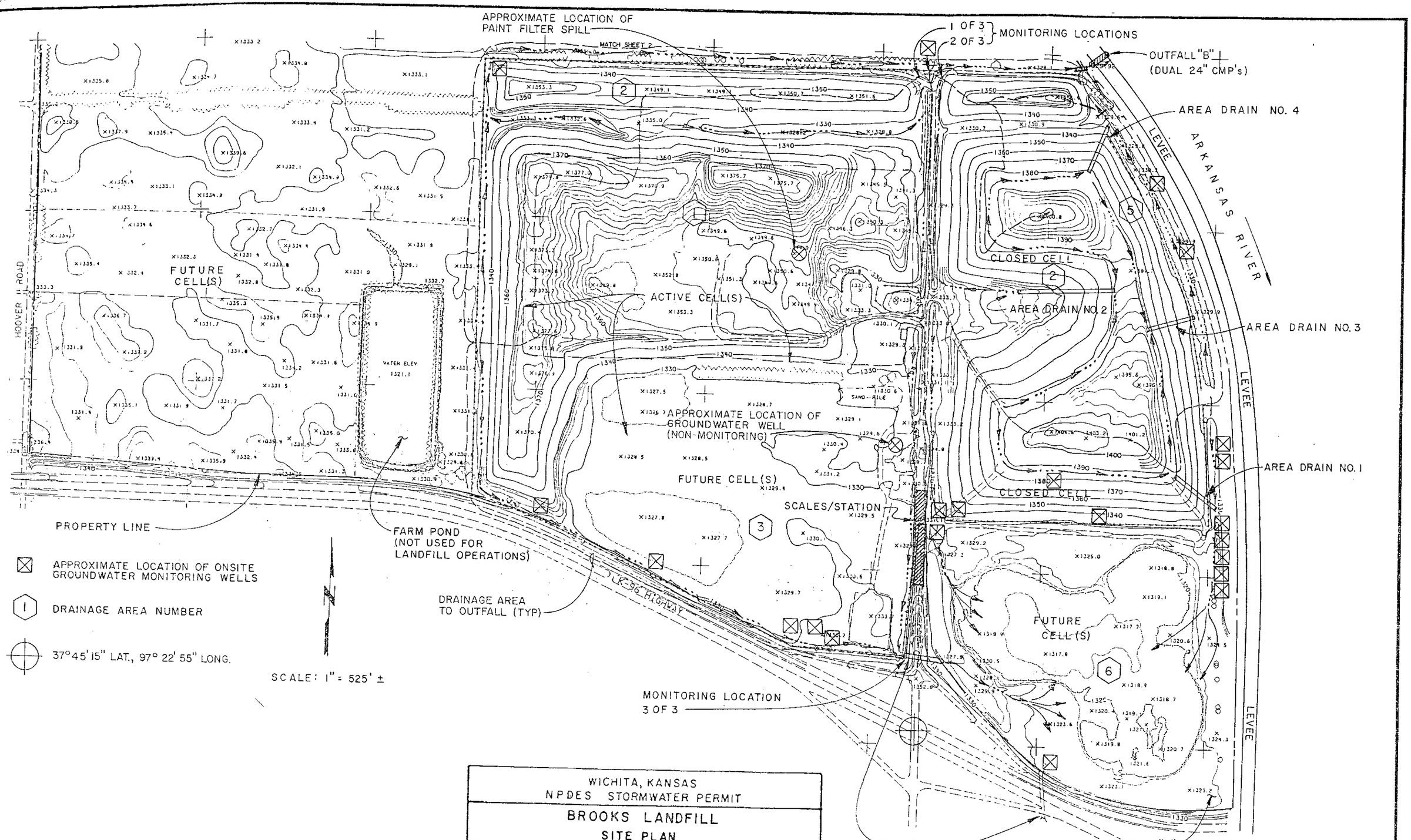
There are no groundwater springs located on this site.

There is one groundwater well located on this site. The water pumped from this well is used exclusively for dust control on the landfill site. See approximate location on the site map.

There are no groundwater injection wells through which fluids are injected underground on this site.

There are 35 groundwater testing wells located on and around the site. Approximate locations of those located onsite are shown on the site map. Offsite groundwater wells are not depicted on the map.

The receiving waters for all stormwater runoff from this site is the Arkansas River.



WICHITA, KANSAS
NPDES STORMWATER PERMIT

BROOKS LANDFILL
SITE PLAN

BLACK & VEATCH
WILSON & COMPANY

FIGURE NO. 3

NOTICE OF INTENT (NOI)
For Stormwater Runoff from Construction Activities
Authorized by Kansas Water Pollution Control General Permit
Under the National Pollutant Discharge Elimination System

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form request authorization for coverage under the Kansas Water Pollution Control general permit, or KDHE authorized successors, issued for stormwater runoff from construction activities in the State of Kansas. Becoming a permittee obligates the discharger to comply with the terms and conditions of the general permit. **Completion of this NOI does not provide automatic coverage under the general permit. Coverage is provided and discharge permitted when the Knasas Department of Health and Environment (KDHE) authorizes the NOI. A signed and dated copy of the authori8zed NOI will be provided to the owner or operator.** Upon authorization of the NOI, a Kansas permit number and a Federal permit number will be assigned to the construction project. ONLY COMPLETE APPLICATIONS ACCOMPANIED BY THE $60 ANNUAL PERMITFEE WILL BE PROCESSED. KDHE WILL NOTIFY APPLICANTS WHOSE APPLICATIONS ARE INCOMPLETE, DEFICIENT, OR DENIED. **Please Print or Type.**

I. OWNER OR OPERATOR ADDRESS & RECORD LOCATION INFORMATION

Owner or Operator's Name: City of Wichita

Company Name: Public Works Department

Owner or Operator's Phone: (316) 268- 4060

Mailing Address: 1801 S. McLean Blvd

City: Wichita State: KS Zip Code: 67213

Owner's Contact Name: Pat Pruitt

Company Name: City of Wichita - Public Works

Contact Phone: (316) 268-4091

Mailing Address: 1801 S. McLean Blvd.

City: Wichita State: KS Zip Code: 67231

Will Permit records be located on site? Y ; X N

If not, provide an address where records will be kept:

Company Name: Public Works - Maintenance Division

Street Address: 1801 S McLean Blvd.

City: Wichita State: KS Zip Code: 67213

Mailing Address: 1801 S Mc Lean Blvd.

City: Wichita State: KS Zip Code: 67213

II. SITE INFORMATION

A. LOCATION

Project Name: K-96 & Hillside Reclamation Site Old Landfill

Street Address: K-96 and ¼ mile W of Hillside

City: Wichita State: KS Zip Code:

On-Site Contact Name: Pat Pruitt

Company Name: City of Wichita - Public Works

Contact Phone: (316) 268-4091

Mailing Address: 1801 S. McLean Blvd.

City: Wichita State: KS Zip Code: 67213

Physical Location: K-96 & Hillside City: Wichita State: KS Zip Code:

___ QTR ___ QTR SE QTR, 34 Section, 26 Township, South, 1 Range X E ; __W; County: Sedgwick

For Official Use Only:

Received RECEIVED SEP 3 0 2002 BUREAU OF WATER	Paid $60	Authorized ✓Y; __N
	Date: 9-30-02	
	Initials: dg	
	Check No: 145403	Reviewer
		10/1/02
Secretary, Kansas Department of Health and Environment		Date
KS Permit No. S - AR94 0080		KSR100650 Federal Permit No. KS

To receive a hard copy of the general permit information packet check yes: __Y; __N

B. **EXISTING CONDITIONS/USES**

Is any part of the project located on Indian lands? __Y; X N

If yes, contact EPA regarding discharging stormwater runoff from construction activities on Indian lands.

If site runoff goes into a Municipal Separate Storm Sewer System; Owner/Operator's Name: N/A

Name of the first receiving water; stream; or lake: K- 96 Lake River Basin: Arkansas

Are there any known soil contamination areas which will be disturbed by the construction activity? __Y; X N

Are contaminated soils or hazardous wastes present on the site: __Y; X N

Are there any surface water intakes for public drinking water supplies located within 1/2 mile of the site discharge points? __ Y; X N

Are there any known historical or archeological sites present within the site boundary? __Y; X N

Are any threatened or endangered species known to be present within the site boundary or in the receiving water body? __Y; X N

If yes, list species and describe habitat location in relation to project location:

Are any Critical Water Quality Management Areas, Special Aquatic Life Use Waters, or Outstanding National Resource Waters located within 1/2 mile of the site boundary? __Y ; X N

C. **PROJECT DESCRIPTION**

Project Description: Reclaim site with clean rubble fill and construction/demolition debris landfill

Anticipated Start Date: October, 2002 and Completion Date: Unknown

Estimated area to be disturbed: 30 Acres Total area of the site: 36 Acres

Do you plan to disturb ten or more acres that are within a common drainage area? X Y; __N

If yes, will a sedimentation basin be installed in that drainage area? X Y; __ N

If not, on a separate sheet, explain what similarly effective erosion and sediment control measures that will be implemented in lieu of a sedimentation basin.

D. **EROSION CONTROL PLAN AND BEST MANAGEMENT PRACTICES**

Attach a site plan showing the erosion control measures and the locations of stormwater management or pollution control features including BMPs. Incorporate details and notes as necessary to describe the erosion control plans and BMPs.

Attach a description of the best management practices which will be utilized to control erosion, sedimentation and other pollutants in stormwater runoff during construction. Include a description of applicable local erosion and sediment control requirements.

Describe the BMPs which will be permanent stormwater management or pollution control features. Include a description of applicable local stormwater pollution control requirements for permanent stormwater management features.

Summarize the sequence of major soil disturbing activities and the corresponding erosion control measures or BMPs.

E. **AREA MAP**

Attach a topographic map showing the project location and significant features in the surrounding area.

III. **ANNUAL FEE**

Enclose a check for the first year of the annual permit fee specified in K.A.R. 28-16-56 et seq. as amended. Make the check payable to "KDHE". Per K.A.R. 28-16-56, as amended, the current annual permit fee for this general permit is $60. An annual bill will be sent to the contact person requesting a permit fee until such time as the permit holder submits a Notice of Termination (NOT).

IV. APPLICANT CERTIFICATIONS

I, the undersigned, certify that a Stormwater Pollution Prevention Plan will be or has been developed for the construction site listed in Section II of this NOI. I further certify that the plan will be implemented at the time construction begins, and, as required by the NPDES general permit for Stormwater Runoff from Construction Activity, will revise the SWP2 plan if necessary.

I understand that continued coverage under the NPDES general permit for Stormwater Runoff from Construction Activities is contingent upon maintaining eligibility as provided for in the requirements and conditions of the general permit, and paying the annual fee.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Signature: _____ Date: 3/26/02

Steve Lackey, P.E., Director of Public Works

Name and Official Title (Please Print)

D.

Attach a description of the best management practices which will be utilized to control erosion, sedimentation and other pollutants in stormwater runoff during construction. Include a description of applicable local erosion and sediment control requirements.

During the periodic C/D debris filling operations, the area being filled will be designated as the working face. The working face will be temporarily exposed to rain water. Rain water that falls on the working face will be collected as contact water. Collected contact water will be used on the site for dust control or site irrigation.

Temporary exposed berms will be constructed surrounding the working face to direct storm water run-on away from the working area. After a periodic C/D debris fill is placed, the area will be graded to drain and covered with soil. Only C/D debris generated by City operations will be accepted at the site, and C/D screening will be done in accordance with all KDHE regulations and guidance.

Describe the BMPs which will be permanent stormwater management of pollution control features. Include a description of applicable local stormwater pollution control requirements for permanent stormwater management features.

Storm water runoff from the entire site will drain towards the existing berm surrounding the sedimentation pond (See attached Storm Water Drainage Plan). Runoff will collect in the ditch formed by the outside of the berm and drain to discharge points into the sedimentation pond. Two discharge points drain into the finger-like section of the pond (designated as Inlet No. 01) from the north and the south. Runoff from the site east of the pond will discharge into the pond through Inlet No. 02. Silt carried by the runoff will be settled out in the perimeter ditch and in the sedimentation pond. All runoff water in the pond is then discharged off-site through an outlet structure to be located in the finger-like section of the pond approximately 60 feet east of the road located just west of the site.

The sedimentation pond and perimeter berm are existing. The stabilized road entrance and the pond outlet structure will be constructed prior to any site construction. Soil cover will be placed over C/D debris periodically as required, and the site will be entirely capped with soil and vegetated when the proposed final reclamation contours are achieved.

The berm, ditches, sedimentation pond, periodic C/D debris cover, and stabilized construction entrance will be checked every seven days and within 24 hours of a rainfall of one-half inch or more. Maintenance and repairs will be performed as noted and required.

The City of Wichita Construction Pollution Prevention Plan is attached.

Summarize the sequence of major soil disturbing activities and the corresponding erosion control measures or BMPs.

Upon approval of this pollution prevention plan, clean rubble fill will be hauled to the site to construct the platform for a new site road along the southern edge of the site. Additional clean rubble may be placed west of the pond. After a C/D landfill permit for the site is obtained from the Kansas Department of Health and Environment, both C/D debris and clean rubble will be periodically placed in the site. C/D debris will be placed east of the pond, and clean rubble will placed west of the pond. The C/D debris will be periodically covered with soil so that site run-off water will not come into contact with C/D debris. Upon reaching site capacity, the site will be capped and seeded, leaving a sloped green area surrounding the pond.

City of Wichita

CONSTRUCTION POLLUTION PREVENTION PLAN

SITE DESCRIPTION			
Project Name and Location	City of Wichita K-96 & Hillside Reclamation Site Wichita, Kansas	**Owner Name and Address**	City of Wichita 7th Floor, City Hall 455 North Main Wichita, KS 67202
Project Description: Purpose and Type of Activity	The site will accept construction and demolition (C/D) debris and clean rubble fill to restore much of the site to near its original topography. The on-site pond and 15 feet around its perimeter will remain in its existing condition (See "Storm Water Drainage Plan" attached). Only C/D debris and clean rubble generated by the City of Wichita (City) will be accepted.		
Site Area & Disturbed Area	Site area is approximately 36 acres. Disturbed area will be approximately 30 acres.		

Sequence of Major Activities

Upon approval of this pollution prevention plan, clean rubble fill will be hauled to the site to construct the platform for a new site road along the southern edge of the site. Additional clean rubble may be placed west of the pond. After a C/D landfill permit for the site is obtained from the Kansas Department of Health and Environment, both C/D debris and clean rubble will be periodically placed in the site. C/D debris will be placed east of the pond, and clean rubble will placed west of the pond. The C/D debris will be periodically covered with soil so that site run-off water will not come into contact with C/D debris. Upon reaching site capacity, the site will be capped and seeded, leaving a sloped green area surrounding the pond.

Feature Discharged To	on-site sedimentation pond (See "Storm Water Drainage Plan" drawing.)

CONTROL MEASURES

Erosion and Sediment Control

Stabilization Practices

The unpaved entrance road to the site will be stabilized with a minimum 6-inch thick aggregate course in accordance with the City of Wichita's *Soil Erosion BMP Details.*

Hazardous Waste

The site will only accept C/D debris and clean rubble, both as defined by Kansas law. Neither of these definitions includes hazardous waste, and no hazardous waste will be accepted at the site.

Sanitary Waste

The site will only accept C/D debris and clean rubble, both as defined by Kansas law. Neither of these definitions includes sanitary waste, and no sanitary waste will be accepted at the site.

TIMING OF CONTROL MEASURES

The sedimentation pond and perimeter berm are existing. The outlet structure and stabilized road entrance will be constructed prior to any site construction. Soil cover will be placed over C/D debris periodically as required, and the site will be entirely capped with soil and vegetated when the proposed final reclamation contours are achieved.

MAINTENANCE/INSPECTION PROCEDURES

Erosion and Sediment Control and Maintenance Practices

The berm, ditches, sedimentation pond, periodic C/D debris cover, and stabilized construction entrance will be checked every seven days and within 24 hours of a rainfall of one-half inch or more. Maintenance and repairs will be performed as noted and required.

Structural Practices

No structural elements are included.

Stormwater Runoff Management

Storm water runoff from the entire site will drain towards the berm surrounding the sedimentation pond. Runoff will collect in the ditch formed by the outside of the berm and drain to discharge points into the sedimentation pond. Two discharge points drain into the finger-like section of the pond (Inlet No. 01). Inlet No. 01 drains the southwestern portion of the site from the south and the northwestern portion of the site from the north. Runoff from the site east of the pond will discharge into the pond through Inlet No. 2. Silt carried by the runoff will be settled out in the perimeter ditch and in the sedimentation pond. The pond elevations are as follows: Bottom of pond-1308 ft; Top of standpipe-1311.5 ft; four 2-inch dia weep holes-1310.75 ft; and four 2-inch weep holes-1311.25 ft. The pond provides approximately 8 acre-ft of sediment storage over 2.75 ft of pond height. For the 25-year, 24-hour rainfall event, the maximum flow into the pond is about 120 cfs, the maximum discharge is 6 cfs, and the centroid (outflow) to centroid (inflow) detention time is 26.4 hours. The pond discharge is through a 24-inch CMP culvert located on the west end of the finger-like section of the pond.

OTHER CONTROL MEASURES

Waste Material Disposal

The site will accept only C/D debris and clean rubble fill, both as defined by Kansas law, generated by the City.

Offsite Vehicle Tracking Control

The site will be constructed with a stabilized construction entrance as required by the *City of Wichita's Soil Erosion BMP Detail*s. The City will normally have some discretion regarding use of the site during muddy conditions because the site will be used only on a periodic basis. However, when necessary the entrance road will be maintained to prevent tracking onto the public right-of-way by surface cleaning, top-dressing, or repair.

Concrete Truck Washout

Concrete truck washout does not apply to this site.

Non-Storm Water Discharges

No non-storm water discharges from the site will occur.

Inventory for Pollution Prevention Plan

Spill Prevention

Material Management Proctices

The following are the material management proctices that will be used to reduce the risk of spills and other accidental exposure of materials and substances to storm water runoff.

Good Housekeeping: The following good housekeeping practices will be followed onsite during construction of the project:

During the periodic C/D debris filling operations, the area being filled will be designated as the working face. The working face will be temporarily exposed to rain water. Rain water that falls on the working face will be collected as contact water. Collected contact water will be used on the site for dust control or site irrigation.

Temporary exposed berms will be constructed surrounding the working face to direct storm water run-on away from the working area. After a periodic C/D debris fill is placed, the area will be graded to drain and covered with soil.

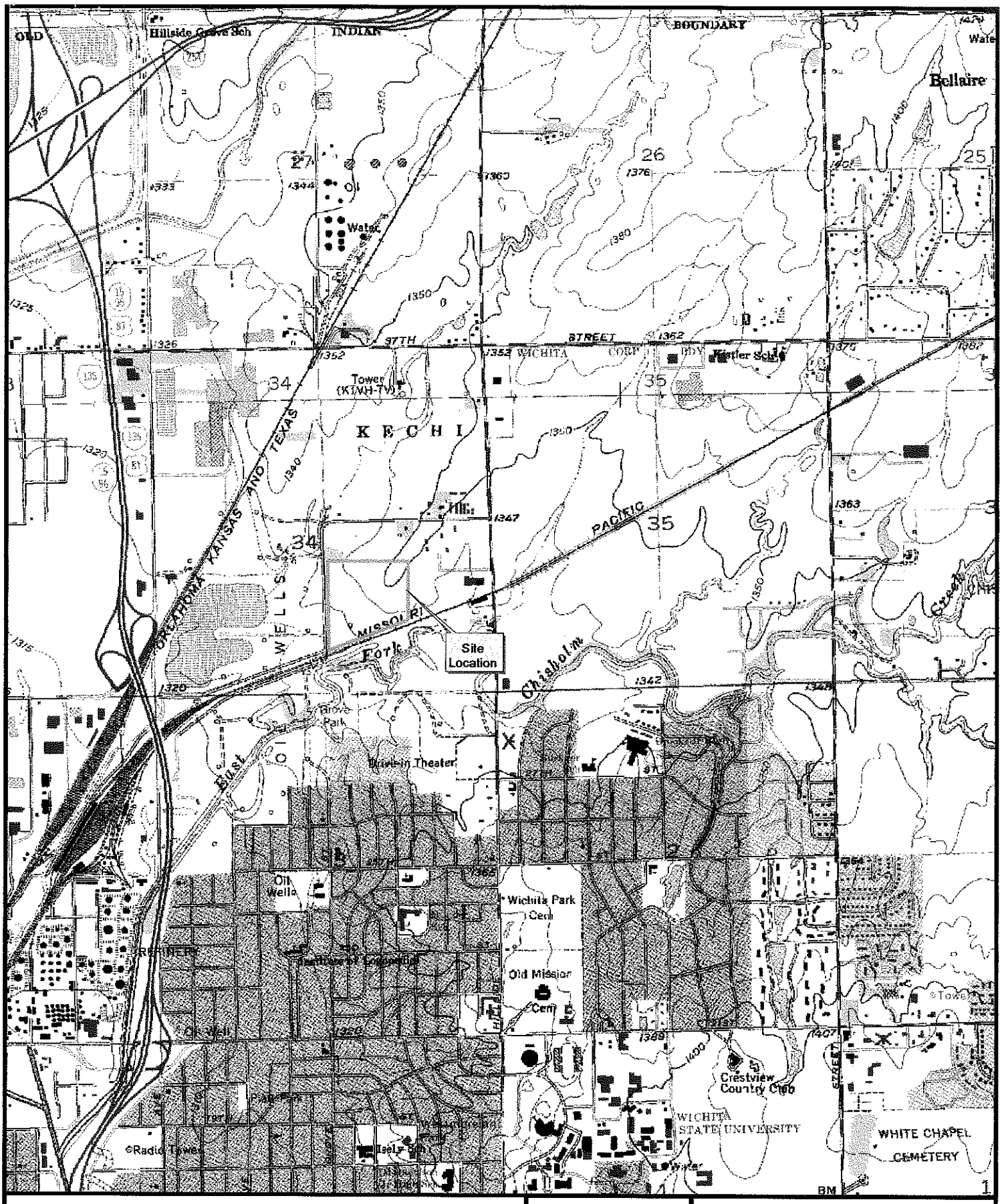
Only C/D debris generated by City operations will be accepted at the site, and C/D screening will be done in accordance with all KDHE regulations and guidance.

Hazardous Products:	The following practices will be used to reduce the risks associated with hazardous materials:

Hazardous waste will not be accepted at the site, and hazardous products will not be stored on-site.

Spill Control Practices

No chemicals or petroleum products will be stored on-site. All fueling of equipment will be completed by mobile fueling vehicles that are equipped with spill control and cleanup materials and staffed by trained spill control personnel.



Source: USGS 7.5 Minute Series Topo Maps
1982 Valley Center, KS
1982 Wichita East, KS

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SITE RECLAMATION
CITY OF WICHITA, KANSAS

STORM WATER POLLUTION PREVENTION PLAN

CENTRAL MAINTENANCE FACILITY

Prepared by

CITY OF WICHITA

September 2009

Management Commitment of Resources

The City of Wichita is committed to the implementation of the procedures outlined in this SWPPP and the prevention of pollutants to navigable waters of the United States. This Plan has the full approval of management at a level of authority to commit the resources necessary to implement the SWPP Plan. A copy of this SWPP Plan shall be maintained at the facility at all times and will be made available to the EPA or State of Kansas for on-site review during normal working hours.

Authorized Management Representative Name: _____

Signature: _____

Title: _____

Date: _____

STORM WATER POLLUTION PREVENTION PLAN

CENTRAL MAINTENANCE FACILITY

Prepared by

CITY OF WICHITA

September 2009

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1 INTRODUCTION

The purpose of this Storm Water Pollution Prevention Plan (SWPPP) is to prevent contamination of storm water runoff as a result of industrial activities conducted at the Central Maintenance Facility (CMF). The City of Wichita owns and operates this facility at 1801 South McLean Boulevard in Wichita, Kansas. The goals of this SWPPP are as follows:

1. Identify potential sources of pollution that may be reasonably expected to contribute to the contamination of storm water runoff.
2. Establish Best Management Practices (BMP) that eliminate or effectively reduce the routes for contamination to enter the storm water runoff.

The United States Environmental Protection Agency (USEPA) has developed regulations to reduce the introduction of pollutants into storm water from industrial sites. These regulations have been delegated to the Kansas Department of Health and Environment (KDHE) to administer. Currently, KDHE considers an industrial facility to be in compliance if the owner has submitted a Notice of Intent (NOI) for Storm Water Discharges Associated with Industrial Activity under the General Permit and has developed a SWPPP. This SWPPP was prepared according to the requirements stated within the USEPA and the KDHE guidance documents (Appendix F).

1.1 SWPPP Pollution Prevention Team

The members of the Central Maintenance Facility Pollution Prevention Team (Appendix A, Worksheet #1) are responsible for the day-to-day tasks related to storm water runoff pollution prevention. The members of the SWPPP Pollution Prevention Team will conduct employee training programs, ensure implementation of BMPs, complete all site inspections, and supervise the day-to-day operations at the site which negatively affect storm water quality. Collectively, the SWPPP Pollution Prevention Team is responsible for the following tasks:

- Performing scheduled inspections.
- Training facility personnel.
- Ensuring that the BMPs in the plan are being implemented.
- Maintaining records.
- Revising the SWPPP to reflect changes to the BMPs employed and to the applicable regulations.
- Preparing the Comprehensive Site Compliance Evaluation for insertion into Appendix C of this document once each year.

The following individuals are designated as the primary members of the SWPPP Pollution Prevention Team at the Central Maintenance Facility:

Individual: Aaron Henning
Title: Assistant Maintenance Engineer
Phone: (316) 268-4087

Individual: Don Cradduck
Title: Street Maintenance Supervisor
Phone: (316) 268-4091

These individuals (or persons in their positions) must maintain and update this SWPPP. The Pollution Prevention Team must also coordinate between "front line" employees and management concerning pollution prevention issues. The Pollution Prevention Team is responsible for carrying out the requirements of the SWPPP as summarized in the following table.

Table 1-1 Requirements of the SWPPP

Activity	Frequency
1. Site Inspections	Monthly, records in Appendix B, recordkeeping requirement of 3 years
2. Comprehensive Site Compliance Evaluation	Annually
Comprehensive Site Compliance Evaluation Report	Completed within 2 weeks following Evaluation and inserted in Appendix C
Comprehensive Site Compliance Evaluation Report Implementation	Performed within 12 weeks of the Evaluation Report
3. Visual Inspection of Storm Water	Periodically during wet weather events. Results included in Comprehensive Site Compliance Evaluation Report
4. Employee Training	Annually, keep record of training in Appendix D, Employee Training
5. Spill Reporting	If spill occurs, documented in Appendix E, Significant Spills and Leaks
6. SWPPP recertification	Once every five years by a Kansas P.E., Appendix F

2 FACILITY DESCRIPTION AND STORM WATER DRAINAGE

2.1 Facility Description

The Central Maintenance Facility is located at 1801 South McLean Boulevard in Sedgwick County, Wichita, Kansas. The main function of this site is to provide maintenance, repair, washing, loading, parking, and storage of heavy Public Works vehicles and machinery. The site also contains storage of sand, salt, sand/salt mixtures, and storage of general maintenance materials. The Standard Industrial Classification (SIC) for this facility is 4225. This plan covers activities where contaminants could possibly be introduced into the storm water runoff such as refueling and maintenance of vehicles and storage of materials. Contaminants of concern used in these activities include diesel, gasoline, motor oil, and particulate matter, such as sand, soil, and gravel. A site map is presented following Worksheet #2 in Appendix A. The important features identified on the site map include the locations of the potential stormwater pollution activities and the stormwater outfalls.

2.2 Facility Drainage

There are two primary storm sewer system outfalls that provide drainage for the site (outfalls A and B). These storm sewer outfalls empty into the adjacent Arkansas River. The remainder of the site not picked up by storm sewers drains in a sheet flow toward the western side of the site, where a small drainage ditch picks up the flow. This drainage ditch is normally dry, and eventually discharges to the Arkansas River. The SWPPP site map will be updated by the SWPPP Pollution Prevention Team whenever changes are made that would affect storm water runoff.

2.3 Inventory of Exposed Materials

Materials which could potentially come into contact with precipitation and contaminate storm water runoff have been summarized in the Material Inventory worksheet presented in Appendix A, Worksheet #3. Currently, there are not any significant quantities of materials exposed to storm water. Materials currently stored at this facility that could possibly come in contact with storm water include diesel, gasoline, salt, and sediment from roadwork materials; however, all of these materials are unlikely to come into contact with storm water as described in Worksheet #3.

If during the Comprehensive Site Compliance Evaluation (Section 5.2), it is determined that a material has been added or removed from the Central Maintenance Facility, the Materials Inventory worksheet should be updated. New worksheets should be added to

the SWPPP when a new material is introduced to the site. If the use of a material is discontinued, it should be crossed out on the worksheet, and the date its use was discontinued should be noted. The changes should be initialed by the appropriate member of the SWPPP Pollution Prevention Team.

2.4 Significant Spills and Leaks

According to facility personnel there have been no spills or leaks of toxic or hazardous pollutants in reportable quantities for the previous three years preceding the date of this SWPPP, (Appendix A, Worksheet #4). In Appendix G, a blank Worksheet #4 should be completed and included in Appendix E if any spills occur in the future.

3 OUTFALL INVENTORY

Two storm water outfalls convey drainage from the site at the Central Maintenance Facility. Outfall A is directly east, across McLean Blvd., and discharges to the Arkansas River. Outfall B is approximately 200' north.

Figure 3-1. Outfall A

Outfall B

Non-Storm Water Discharges

The Central Maintenance Facility site was inspected for the presence of non-storm water discharges on August 26, 2009 (Appendix A, Worksheets #5 & #6). A visual inspection of the site's storm water outfall revealed no non-storm water discharge for that particular day; however, the facility should be inspected periodically to verify this conclusion is valid throughout the year. It is most convenient to conduct these inspections concurrently with the routine monthly inspections of the facilities.

The inspector should walk the site and trace the sources of any flows leaving the site that occur during dry weather. Non-storm water flows may result from illicit connections to the sanitary sewer system or from overland flow of process water. All storm sewer outfalls should be checked for the presence of non-storm water flows.

3.1 Description of Potential Pollution Sources

The locations of three activities where potential contaminants could come in contact with storm water are identified on the site map. They are (1) the Public Works Fueling Area, (2) the Public Works Roadwork Material, and, (3) the Salt Dome, (Appendix A, Worksheet #7).

3.1.1 Public Works Fueling Area

This area is located in the west central area of the facility. The fuel pumps in this area are used to supply diesel, and gasoline, to public works vehicles and equipment. The pumps are covered so any residual fuel spilled from the pumps is unlikely to be discharged into the storm water. At this time, the Central Maintenance Facility has absorbent material onsite that is used if there are visible oil marks on the concrete or if gasoline is spilled from the fuel pumps. After use, the absorbing material is removed and disposed. If in the future additional BMPs are required, the following options could be evaluated.

Below is a photograph of the fuel pumps.

Figure 3-2. Fueling Area

3.1.2 Roadwork Materials Area

This area is located in the central section of the site. It consists of a storage area for the roadwork materials that the Public Works department uses to perform road repairs. These materials consist of sand, soil, and gravel. Since the materials are covered, it is unlikely that significant quantities of these materials would come in contact with storm water runoff.

Figure 3-3. Roadwork Material Area

3.1.3 Salt Dome

The Salt Dome is located south of the Roadwork Materials Area. The salt dome is used to store salt for road application during periods of snow and ice. Since the dome covers the salt, it is unlikely that this material could come into contact with storm water. Below is a photograph of the dome.

Figure 3-4. Salt Dome

3.2 Existing Storm Water Sampling Data

According to the SWPPP Pollution Prevention Team, storm water monitoring has not been conducted at the Central Maintenance Facility. It is not anticipated that KDHE will require monitoring of storm water in the future.

4 POLLUTION PREVENTION MEASURES AND CONTROLS (BMPs)

The following section identifies BMPs that will be implemented as part of this SWPPP (Appendix A, Worksheet #8).

4.1 Good Housekeeping

The most elementary, yet one of the most effective, of all BMPs is the practice of good housekeeping. For the Central Maintenance Facility, this consists of the following:

(1) Debris exposed to stormwater should be collected and removed from the site.
(2) Work area cleanup should follow any task, no matter how small.

Currently, the lead site maintenance worker conducts weekly site inspections to ensure good housekeeping at the site. Good housekeeping will be stressed to the employees during their annual employee training. Particular attention should be paid to the areas around fuel dispensing stations and the roadwork materials storage area.

4.2 Spill Prevention and Response Procedures

Spills of diesel fuel, motor oil, or any of the other material could contribute pollutants to storm water discharges. If such an event occurs, having proper procedures in place can prevent a spill from becoming a potentially large environmental problem. Currently, the Central Maintenance Facility does have a Spill Prevention Control and Countermeasure Plan in place. And, there has not been a spill of any significant amount of material in the past three years. Worksheet #4 in Appendix F can be used to record the date and time of any future spills.

4.3 Inspections

Inspections involve visually checking the potential sites of pollution on a periodic basis to confirm that good housekeeping procedures are being followed. The inspection currently occurs weekly by the lead site maintenance worker; however, it is not currently documented. To comply with KDHE Storm water Pollution Prevention Plan guidelines, a monthly record of the inspections should be kept for a period of three years in Appendix B, and a set of follow-up procedures should be in place so that corrective actions can occur if needed (A blank inspection form is included at the end of Appendix G).

4.4 Employee Training

All Central Maintenance Facility employees that are responsible for storm water pollution prevention at the facility will receive training, and this training will be thoroughly documented. Training will address the following subjects:

(1) Familiarization with all BMPs in place and ensuring that employees understand the requirements and contents of the SWPPP.
(2) Proper handling of all materials used or commonly encountered at the facility.

Employee training will be conducted initially when the SWPPP is presented to the facility. Annual refresher and new hire training will be conducted by the SWPPP Pollution Prevention Team. Worksheet #10 included in Appendix D can be used to document training.

4.5 Erosion Control Measures

For sites that are largely unpaved without adequate ground cover, soil erosion can transport large quantities of suspended sediment into the downstream waterways. However, during the site visit, it was not apparent that soil erosion is a significant problem at the Central Maintenance Facility. The relatively small unpaved areas and the mild slopes keep erosion from becoming a significant problem. However, future Comprehensive Site Compliance Evaluations by the Pollution Prevention Team should include looking for signs of erosion and assess the need for implementation of erosion-control BMPs.

4.6 Record Keeping and Internal Reporting Procedures

Accurate and thorough records of all activities are essential to maintaining the SWPPP and storm water quality. Records of the monthly inspections (Appendix B), the Comprehensive Site Compliance Evaluation Reports (Appendix C), employee training records (Appendix D), and any future spills or leaks that occur (Appendix E) will be kept on site with the SWPPP. These records will be readily available for review by regulatory agencies.

5 MONITORING, REPORTING, AND RECORD KEEPING REQUIREMENTS

5.1 Sampling Requirements

At this time, KDHE is not requiring that quantative chemical analysis be conducted on the storm water leaving the site; however, periodically during wet weather events, storm water should be visually inspected for the presence of pollutants. It is recommended that the visual inspection of the storm water be conducted periodically during the spring when wet weather events are typically frequent. The inspection should indicate whether an oil sheen, foam, suspended solids, or floating solids are present and the color and clarity of the storm water. The results of the visual inspection of the storm water will be included in the Comprehensive Site Compliance Evaluation Report (Appendix C).

5.2 Comprehensive Site Compliance Evaluation and Report

A Comprehensive Site Compliance Evaluation inspection should be conducted on an annual basis to determine whether site conditions have changed, whether the SWPPP needs to be revised, and whether the SWPPP procedures are effective. The SWPPP should be modified if any deficiencies are identified based on the evaluation or additional BMPs could be implemented. If a BMP is identified that will be implemented, Worksheet #9 (a blank form is included in Appendix G) should be utilized and included with the Comprehensive Site Compliance Evaluation Report. Examples of changes that would result in a revision are a regrading of the existing site, any additional material added to the site that could contribute to storm water pollution, or a request for chemical analysis of storm water by KDHE.

The inspection should target the storm water outfall and the areas that could potentially contribute to storm water pollution; the road work materials area, the public works fueling area, and the salt dome (identified on the Site Map, Appendix A). In addition, the inspection should look for signs of erosion around the site.

It is recommended that the Central Maintenance Facility develop a report format for this inspection or utilize Worksheet #11 in Appendix C. The report should contain the following information: the cleanliness of the areas, a visual inspection of the storm water outfalls, confirming that non-storm water discharges are not present, the documented visual analysis of the storm water runoff from each of the outfalls, and if there were any changes to site map. These changes should be identified and the site map updated. The report must be included in Appendix C within two weeks of the Comprehensive Site

Compliance Evaluation inspection. If the report identifies additional measures that should be taken to reduce storm water pollution, the measures must be implemented within 12 weeks, and the update recorded on Worksheet #12 (a blank form is included in Appendix G). The updated worksheet should be included with the Comprehensive Site Compliance Evaluation Report.

6 REFERENCES

USEPA, Storm Water Management for Industrial Activities – Developing Pollution Prevention Plans and Best Management Practices, 1992.

KDHE, Storm Water Pollution Prevention Plan Requirements and Guidelines, Attachment A, no date.

Worksheet #1 POLLUTION PREVENTION TEAM MEMBER ROSTER	Facility name: Central Maintenance Facility Completed by: Jim Hardesty Title: Storm Water Specialist Date: 8/26/09

Leader: Aaron Henning

Title: Assistant Maintenance Engineer

Office Phone: 316-268-4087

Responsibilities:

1) Signatory authourity; 2) Coordinate employee training program; 3) Ensure that all SWPPP requirements are performed

Members:

(1) Don Cradduck

Title: Maintenance SupervisorSite Worker

Office Phone: 316-268-4091

Responsibilities:

1) Conduct annual site evaluations; 2) Perform employee training; 3) Conduct weekly site inspections

(2) _____

Title: _____

Office Phone: _____

Responsibilities:

(3) _____

Title: _____

Office Phone: _____

Responsibilities:

(4) _____

Title: _____

Office Phone: _____

Responsibilities:

Worksheet #2 DEVELOPING A SITE MAP	Facility name: Central Maintence Facility Completed by: Jim Hardesty Title: Storm Water Specialist Date: 8/26/09

Instructions: Draw a map of your site including a footprint of all buildings, structures, paved areas, and parking lots. The information below describes additional elements required by EPA's General Permit.

EPA's General Permit requires the following features on the site map:

- All outfalls and storm water discharges
- Drainage areas of each storm water outfall
- Structural storm water pollution control measures, such as:
  - Flow diversion structures
  - Retention/detention ponds
  - Vegetative swales
  - Sediment traps
- Name of receiving waters (or if through a Municipal Separate Storm Sewer System)
- Locations of exposed significant materials
- Locations of past spills and leaks
- Locations of high-risk, waste-generating areas and activities common on industrial sites such as:
  - Fueling stations
  - Vehicle/equipment washing and maintenance areas
  - Area for unloading/loading materials
  - Above-ground tanks for liquid storage
  - Industrial waste management areas (landfills, waste piles, treatment plants, disposal areas)
  - Outside storage areas for raw materials, by-products, and finished products
  - Outside manufacturing areas
  - Other areas of concern (specify: _____)

Worksheet #3 MATERIAL INVENTORY	Facility name: Central Maintenance Facility Completed by: Jim Hardesty Title: Storm Water Specialist Date: 8/26/09

Instructions: List all materials used, stored, or produced onsite. Assess and evaluate these materials for their potential to contribute pollutants to storm water runoff. Also complete Worksheet 3A if the material has been exposed during the last 3 years.

Material	Purpose/Location	Quantity (gallons)			Quantity Exposed in Last 3 Years	Likelihood of contact with storm water. If yes, describe reason.	Past Significant Spill or Leak	
		Used	Produced	Stored			Yes	No
Soil, sand, gravel	Roadwork Material Public Roadwork Material	varies			None	Not likely, material covered by shelter		No
Unleaded Gasoline	Fuel / Public Fueling Area	varies		20,000	Small amount of spillage	Not likely, fuel is stored in underground storage tank.		No
Diesel	Fuel / Public Fueling Area	varies		20,000	Small amount of spillage	Not likely, fuel is stored in underground storage tank.		No
Road Salt	Road deicing /	varies			None	Not likely, material is covered		No
	Salt Dome							
Waste Oil	Oil from vehicles / Waste Oil UST	varies			None	Not likely, material is stored in underground storage tank.		No
Pesticides/Herbicides	Vegetation and pest control	varies			None	Not likely, material covered by shelter		No

Worksheet #4

LIST OF SIGNIFICANT SPILLS AND LEAKS

Facility name: Central Maintenance Facility
Completed by: Jim Hardesty
Title: Storm Water Specialist
Date: 8/26/09

Directions: Record below all significant spills and significant leaks of toxic or hazardous pollutants that have occurred at the facility in the three years prior to the effective date of the permit.

Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

1st Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	
None										

2nd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

3rd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

Worksheet #5 NON-STORM WATER DISCHARGE ASSESSMENT AND CERTIFICATION	Facility name: Central Maintenance Facility Completed by: Jim Hardesty Title: Storm Water Specialist Date: 8/26/09

Date of Test or Evaluation	Outfall Directly Observed During the Test (identify as indicated on the site map)	Method Used to Test or Evaluate Discharge	Describe Results from Test for the Presence of Non-Storm Water Discharge	Identify Potential Significant Sources	Name of Person Who Conducted the Test or Evaluation
8/26/09	Outfall 1	Visual	No discharge observed	Fueling Area	Jim Hardesty
8/26/09	Outfall 2	Visual	No discharge observed	Road Work Material Storage Area	Jim Hardesty

CERTIFICATION

I, (responsible corporate official), certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #6 NON-STORM WATER DISCHARGE ASSESSMENT AND FAILURE TO CERTIFY NOTIFICATION	Facility name: Central Maintenance Facility Completed by: Jim Hardesty Title: Storm Water Specialist Date: 8/26/09

Directions: If you cannot feasibly test or evaluate an outfall, fill in the table below with the appropriate information and sign this form to certify the accuracy of the included information.

List all outfalls not tested or evaluated, describe any potential sources of non-storm water pollution from listed outfalls, and state the reason(s) why certification is not possible. Use the key from your site map to identify each outfall.

Important Notice: A copy of this notification must be signed and submitted to the Director within 180 days of the effective date of this permit.

Identify Outfall Not Tested/Evaluated	Description of Why Certification Is Infeasible	Description of Potential Sources of Non-Storm Water Pollution
All outfalls evaluated		

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations, and that such notification has been made to the Director within 180 days of _____ (date permit was issued), the effective date of this permit.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #7	Facility:	Central Maintenance Facility
	Completed By:	Jim Hardesty
	Title:	Storm Water Specialist
Pollutant Source Identification	Date:	8/26/09 pg 1

Instructions: List all identified stormwater pollutant sources and describe existing management practices that address those sources. In the third column, list Best Management Practice (BMP) options that can be incorporated into the plan to address remaining sources of pollutants.

Storm Water Pollutant Sources	Existing Management Practices	Description of New BMP Options
1 Gasoline and Diesel Fuel from fueling stations	Absorbent material used for cleanup	None required
2 Roadwork materials (sand, gravel, soil)	Covered storage	None required
3 Salt	Covered storage	None required
4 Pesticides and Herbicides	Covered storage	None required
5 Outside storage of drums	None	Move drums to covered storage.
6 Truck wash-out pit	Collected water is pumped through mud trap	None required

Worksheet #7	Facility:	Central Maintenance Facility
	Completed By:	Jim Hardesty
	Title:	Storm Water Specialist
Pollutant Source Identification	Date:	8/1/09 Page 2

Instructions: List all identified stormwater pollutant sources and describe existing management practices that address those sources. In the third column, list Best Management Practice (BMP) options that can be incorporated into the plan to address remaining sources of pollutants.

Storm Water Pollutant Sources	Existing Management Practices	Description of New BMP Options
1 Piles of road sweeping debris	None	1) Filter material in/around inlet 2) Curbing/containment at the piles, if necessary
2 Storage of Calcium outside	None	Move indoors
3 Seepage from mixer wash-out bay	None	Cut drain hole in divider wall
4		
5		
6		

Worksheet #8	Facility: Central Maintenance Facility
	Completed By: Jim Hardesty
BMP Identification	Title: Storm Water Specialist
	Date: 8/26/09 (page 1)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Good Housekeeping	1) Debris should be collected and removed from the site 2) Work area cleanup should follow any task, no matter how small
Inspections	1) Monthly visual inspection of Potential Pollution sources and Stormwater Outfalls
Employee Training	1) Familiarization with all BMPs in place and ensuring that employees understand the requirements and contents of the SWPPP 2) Proper handling of all materials used or commonly encountered at the facility. 3) Must be conducted annually

Worksheet #8	Facility: Central Maintenance Facility
	Completed By: Jim Hardesty
BMP Identification	Title: Storm Water Specialist
	Date: 8/26/09 (page 2)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Record Keeping and Internal Reporting Procedures	1) Keep records of revisions to the SWPPP, inspection reports, employee training records, and any spills or leaks that occur onsite.
Covered Storage	1) The Central Maintenance Facility has already done an excellent job of covering potential stormwater pollution contributors by covering the roadwork materials, vehicle storage, vehicle fuleing area, and salt storage areas.

Worksheet #8	Facility: Central Maintenance Facility
	Completed By: Jim Hardesty
BMP Identification	Title: Storm Water Specialist
	Date: 8/26/09 (Page 3)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Drain holes in mixer wash-out bay	Monthly Inspections will include that drains holes are not clogged. If clogged, debris will be removed.

Worksheet #9 BMP Implementation	Facility: CMF Completed By: Jim Hardesty		
BMP	**Action Required for Implementation**	**Completion Date:**	**Person Responsible:**
Inlet Filters	Size, purchase and install 2 inlet filters	5/1/2010	Aaron Henning
Drain Holes in Mixer Wash-Out Pit	Drill/Cut Holes in Divider Wall to Provide for Cross Drainage	4/1/2010	Aaron Henning
Storage of Calcium	Move Calcium Storage Inside.	4/1/2010	Aaron Henning
Outside Drum Storage	Dispose of, or Move Drums to Covered Area.	4/1/2010	Aaron Henning

(fill—in areas are spaced for elite type, i.e., 12 characters/inch).

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

F SITE 1 of 9 (CMF) D

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill—in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill—in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold—faced terms.**

SPECIFIC QUESTIONS	MARK 'X' YES	MARK 'X' NO	MARK 'X' FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X	
B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.**? (FORM 2B)		X	
C. Is this a facility which currently results in **discharges** to **waters of the U.S.** other than those described in A or B above? (FORM 2C)		X	
D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge** to **waters of the U.S.**? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3)		X	
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	
J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP CENTRAL MAINTENANCE FACILITY

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*		
2 TAYLOR, PAUL, ASSISTANT MAINTENANCE ENGINEER	316	268	4087

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 1801 SOUTH McLEAN BOULEVARD

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 WICHITA	KS	67213

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 1801 SOUTH McLEAN BOULEVARD

B. COUNTY NAME

SEDGWICK

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6 WICHITA	KS	67213	N/A

CONTINUE ON REVERSE

(fill—in areas are spaced for elite type, i.e., 12 characters/inch).

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

F SITE 1 of 9 (CMF) D

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

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SPECIFIC QUESTIONS	MARK 'X' YES	MARK 'X' NO	MARK 'X' FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X	
B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.**? (FORM 2B)		X	
C. Is this a facility which currently results in **discharges** to **waters of the U.S.** other than those described in A or B above? (FORM 2C)		X	
D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge** to **waters of the U.S.**? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3)		X	
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	
J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP CENTRAL MAINTENANCE FACILITY

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 TAYLOR, PAUL, ASSISTANT MAINTENANCE ENGINEER	316 268 4087

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 1801 SOUTH McLEAN BOULEVARD

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 WICHITA	KS	67213

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5 1801 SOUTH McLEAN BOULEVARD

B. COUNTY NAME

SEDGWICK

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6 WICHITA	KS	67213	N/A

CONTINUED FROM THE FRONT

VII. SIC CODES *(4-digit, in order of priority)*

A. FIRST	B. SECOND
7 4225 (specify) GENERAL PUBLIC WAREHOUSING/STORAGE	7 7538 (specify) GEN. AUTOMOTIVE REPAIR SHOPS
C. THIRD	**D. FOURTH**
7 4214 (specify) LOCAL TRUCKING WITH STORAGE	7 4212 (specify) GARBAGE HAULING, LOCAL

VIII. OPERATOR INFORMATION

A. NAME: 8 CITY OF WICHITA, PUBLIC WORKS DEPARTMENT

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

C. STATUS OF OPERATOR *(Enter the appropriate letter into the answer box; if "Other", specify.)*
F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC *(other than federal or state)*
O = OTHER *(specify)*
M (specify)

D. PHONE *(area code & no.)*: A 316 268 4501

E. STREET OR P.O. BOX: CITY HALL, 8th FLOOR,455 N. MAIN

F. CITY OR TOWN: B WICHITA

G. STATE: KS

H. ZIP CODE: 67202

IX. INDIAN LAND
Is the facility located on Indian lands? [ ] YES [X] NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES *(Discharges to Surface Water)*: 9 N N/A	D. PSD *(Air Emissions from Proposed Sources)*: 9 P N/A
B. UIC *(Underground Injection of Fluids)*: 9 U N/A	E. OTHER *(specify)*: 9 N/A (specify)
C. RCRA *(Hazardous Wastes)*: 9 R N/A	E. OTHER *(specify)*: 9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS *(provide a brief description)*

See attached site narrative

XIII. CERTIFICATION *(see instructions)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE *(type or print)*	B. SIGNATURE	C. DATE SIGNED
Michael E. Lindebak, P.E. City Engineer	Michael E. Lindebak	9-24-92

COMMENTS FOR OFFICIAL USE ONLY

C

☆ U.S. Government Printing Office : 1985 - 486-785/32991

Please print or type in the unshaded areas only

EPA ID Number (copy from item I of Form 1)
Site 1 of 9 (CMF)

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

Form 2F NPDES

EPA

United States Environmental Protection Agency
Washington, DC 20460

Application for Permit To Discharge Stormwater Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, and other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M. St., SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the recieving water.

A. Outfall Number (list)	B. Latitude			C. Longitude			D. Receiving Water (name)
A	37	40	17	97	20	49	Arkansas River

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges desicribed in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letter, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.
None					

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction. NONE

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

Continued on Page 2

Continued from Page 1

EPA ID Number (copy from Item I of Form 1)
Site 1 of 9 (CMF)

IV. Narative Description of Pollutant Sources

A. For each outfall, provide an estimate of the are (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
	See Attached Site Narrative				

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method or treatment, storage, or disposal; past and present materials management practices employed, in the last three years, to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditions, and fertilizers are applied.

See Attached Site Narrative

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water recieves, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
A	None	4-A

V. Nonstormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharges from thes outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed
Michael E Lindebak, P.E. City Engineer	Michael E Lindebak	9-24-92

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

A. Visual inspection of surface water conveyance systems.
B. Visual inspection of all stormwater piping systems.
C. Examination of all existing storm sewer/site map schematics.

Date of Field Inspection: 9/23/91 By: Paul Woodruff, Wilson & Co.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

See Attached Site Narrative

Continued on Page 3

Continued from Page 2

EPA ID Number (copy from Item I of Form 1)
Site 1 of 9 (CMF)

VII. Discharge Information

A, B, C, & D: See instructions before porceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Table VII–A, VII–B, and VII–C are included on separate sheets numbered VII–1 and VII–2.

E: Potential discharges not covered by analysis – is any pollutant listed in Table 2F–2 a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

[ ] Yes (list all such pollutants below) [X] No (go to Section IX)

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

[ ] Yes (list all such pollutants below) [X] No (go to Section IX)

IX. Contract Analysis Information

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

[X] Yes (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below) [ ] No (go to Section IX)

A. Name	B. Address	C. Areas Code & Phone No.	D. Pollutants Analyzed
Wilson Laboratories (now Continental Analytical Services, as of 1/92)	525 N. 8th Street Salina, KS 67402–1820	(913) 825–7186	All Required

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons dircetly responsible for gathering the information, the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Offical Title (type or print)	B. Area Code and Phone No.
Michael E Lindebak, P.E., City Engineer	(316) 268–4501
C. Signature: Michael E Lindebak	D. Date Signed: 9-24-92

EPA Form 3510–2F (11–90)

Form Approved. OMB No. 2040–0086
Approval expires 5–31–92

EPA ID Number (copy from Item 1 of Form 1)
Site 1 of 9 (CMF) – Monitoring Location No. 1 of 1

Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite		
Oil and Grease	0 mg/L	N/A	0 mg/L	N/A	2	Surface Runoff
Biological Oxygen Demand (BOD5)	20 mg/L	24 mg/L	15 mg/L	22 mg/L	2	Surface Runoff
Chemical Oxygen Demand (COD5)	156 mg/L	177 mg/L	133 mg/L	156mg/L	2	Surface Runoff
Total Suspended Solids (TSS)	440 mg/L	671mg/L	305mg/L	454mg/L	2	Surface Runoff
Total Kjeldahl Nitrogen	2.80 mg/L	2.24 mg/L	2.38mg/L	1.68mg/L	2	Surface Runoff
Nitrate plus Nitrite Nitrogen	0.4 mg/L	0.6 mg/L	0.2 mg/L	8.6 mg/L	2	Surface Runoff
Total Phosphorus	0.6 mg/L	0.4 mg/L	0.3 mg/L	0.2 mg/L	2	Surface Runoff
pH	Minimum 3.9		Maximum 7.4			

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

EPA ID Number (copy from Item 1 of Form 1)
Site 1 of 9 (CMF) – Monitoring Location No. 1 of 1

Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part B – List each pollutant that is limited in an effluent guildeline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
		NOT APPLICABLE				

Form Approved. OMB No. 2040–0086
Approval expires 5–31–92

EPA ID Number (copy from Item 1 of Form 1)
Site 1 of 9 (CMF) – Monitoring Location No. 1 of 1

Sheet 1 of 2

VII. Discharge Information (Continued from page 3 of Form 2F)

Part C – List each pollutant shown in Tables 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite		
Ammonia Nitrogen (mg/L)	0	0	0	0	2	Surface Runoff
Bromide (mg/L)	0	0	0	0	2	Surface Runoff
Fluoride (mg/L)	0	0	0	0	2	Surface Runoff
Iron (mg/L)	0	0	0	0	2	Surface Runoff
Manganese (mg/L)	0	0	0	0	2	Surface Runoff
Sulfate (mg/L)	0	0	0	0	2	Surface Runoff
Specific Conductivity (umhos/cm)	2780	0	1480	0	2	Surface Runoff
Boron (mg/L)	0	0	0	0	2	Surface Runoff
Magnesium (mg/L)	0	0	0	0	2	Surface Runoff
Aluminum (mg/L)	0	0	0	0	2	Surface Runoff
Chlorides (mg/L)	976	983	777	840	2	Surface Runoff
Surfactants (mg/L)	0.27	0.13	0.2	0.24	2	Surface Runoff
Residual Chlorine (mg/L)	0	0	0	0	2	Surface Runoff
Total Potassium (mg/L)	0	0	0	0	2	Surface Runoff
Barium (ug/L)	0	0	0	0	2	Surface Runoff
Cobalt (ug/L)	0	0	0	0	2	Surface Runoff
Titanium (ug/L)	0	0	0	0	2	Surface Runoff
Arsenic (ug/L)	0	0	0	0	2	Surface Runoff
Beryllium (ug/L)	0	0	0	0	2	Surface Runoff
Cadmium (ug/L)	0	0	0	0	2	Surface Runoff

Form Approved. OMB No. 2040–0086
Approval expires 5–31–92

EPA ID Number (copy from Item 1 of Form 1)
Site 1 of 9 (CMF) – Monitoring Location No. 1 of 1

Sheet 2 of 2

VII. Discharge Information (Continued from page 3 of Form 2F)

Part C – List each pollutant shown in Tables 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite		
Chromium (ug/L)	0	0	0	0	2	Surface Runoff
Copper (ug/L)	0	0	0	0	2	Surface Runoff
Lead (ug/L)	0	0	0	0	2	Surface Runoff
Mercury (ug/L)	0	0	0	0	2	Surface Runoff
Nickel (ug/L)	0	0	0	0	2	Surface Runoff
Selenium (ug/L)	0	0	0	0	2	Surface Runoff
Gold (ug/L)	0	0	0	0	2	Surface Runoff
Thorium (ug/L)	0	0	0	0	2	Surface Runoff
Zinc (ug/L)	0	0	0	0	2	Surface Runoff
Antimony (ug/L)	0	0	0	0	2	Surface Runoff
Cyanide (mg/L)	0	0	0	0	2	Surface Runoff
Di–N–Butyl Phthalate (ug/L)	0	0	0	0	2	Surface Runoff
Pyrene (ug/L)	0	10	0	5	2	Surface Runoff
Volatile Organic Acids (ug/L)	0	0	0	0	2	Surface Runoff
Pesticides (ug/L)	0	0	0	0	2	Surface Runoff
Herbicides (ug/L)	0	0	0	0	2	Surface Runoff
Fecal Coliforms (ug/L)	0	0	0	0	2	Surface Runoff
Phenols (mg/L)	0	–	0	–	2	Surface Runoff
Methylene Chloride (ug/L)	–	0	–	0	2	Surface Runoff

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

EPA ID Number (copy from Item 1 of Form 1)
Site 1 of 9 (CMF) – Monitoring Location 1 of 1 | Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6. Total flow from rain event (gallons or specify units)	7. Season sample was taken	8. Form of Precipitation (rainfall, snowmelt)
	(minutes)	(inches)	(hours)	(gallons/minute)	(gallons)		
12/11/91	103	0.62	454	2,179	81,460	Fall	Rainfall
12/19/91	379	0.57	144	625	26,640	Fall	Rainfall

9. Provide a description of the method of flow measurement or estimate.

An automated flow meter and sampling device, American Sigma Model 800SL, was used at this monitoring station. Each device setup included a flow meter with a sensor probe, sample collection bottles, a sample collection probe, a calibrated weir or orifice control section, an integral rain gauge, and a data recording and storage device. This automated setup was used to collect and composite flow-weighted samples, as well as to record instantaneous and cumulative rainfall, flow, and sampling data. The first-flush "grab" sample was taken manually by hand within the first 30 minutes of rainfall. All the above data for EPA Form 2F, VII, Part D was obtained from the automated recording device. All samples were taken, stored, and analyzed per EPA requirements.

CITY OF WICHITA, KANSAS
NPDES STORMWATER PERMIT APPLICATION
MUNICIPAL INDUSTRIAL SITE NARRATIVE DESCRIPTION

SECTION 2.01 - SITE NO. 1 OF 9

GENERAL SITE DESCRIPTION

SITE:	Central Maintenance Facility
ADDRESS:	1801 South McLean Boulevard, Wichita, KS 67213
CONTACT:	Paul Taylor -or- Bob Jennings
PHONE NO:	316/268-4087 -or- 316/268-4095

The Central Maintenance Facility is utilized by the City's Public Works Department and other various departments. The site is located between the City Heliport/ County Detention Center site and the City's Metropolitan Transit Authority maintenance facility, just south of the intersection of Harry and McLean Boulevard, in the southwestern portion of Wichita. Immediately across McLean Boulevard is the Arkansas River.

The site is approximately 22.5 acres.

The activities at the site consist of maintenance, repair, washing, loading, parking, and storage of heavy public works vehicles and machinery. The site also contains storage of sand, salt, sand/salt mixtures, roadway repair materials (asphalt, road patching mix, etc.), and storage of general maintenance materials (guardrails, sewer piping, light poles, etc.).

The above activities are performed on the following City vehicles:

- police cars
- police motorcycles
- city street maintenance vehicles and equipment
- graders, dump trucks, and other City construction equipment
- sewer maintenance equipment and vehicles
- parks and recreation vehicles

LOCATION OF STRUCTURES

There is one primary storm sewer system outfall that provides drainage for the site (Outfall A). This storm sewer outfall empties almost immediately into the adjacent Arkansas River. The remainder of the site not picked up by storm sewers drains in a sheet flow toward the western side of the site, where a small drainage ditch picks up the flow. This drainage ditch is normally dry, and eventually discharges to the Arkansas River. Along the main storm drainage system is a series of 13 storm drain inlets that drain surface runoff. Roof drains are connected to this system.

The northwestern portion of the site is drained primarily by another storm sewer system that runs through the property (Outfall B). There is one storm drain inlet onsite along this system. This sewer contains significant drainage from offsite sources.

LOCATION OF STORMWATER MONITORING SITES

There will be one monitoring location for this site, at outfall A. The total drainage area to this location is 20.5 acres, or 91% of the total 22.5 acres. This monitoring location picks up nearly all the area that is subject to various activities and thus will be a representative sampling of the stormwater runoff. This area represents 100% of the total flow to Outfall A from onsite sources. Other portions of the site that are unmonitored (Outfall B) do not have characteristics that differ significantly from those within the monitored drainage area.

DRAINAGE AREAS

Drainage areas to the 14 storm sewer subareas and the two major outfalls are as follows. The total drainage area draining through the site is 25.0 acres, which includes some minor offsite drainage, versus the total actual site area of 22.5 acres.

SUBAREA	DRAINAGE AREA (ACRES)	OUTFALL	DRAINAGE AREA (ACRES)
1	2.2	A	20.5
2	1.7	B (OFFSITE)	4.5
3	1.4		
4	1.0		
5	2.5		
6	0.4		
7	0.5		
8	0.4		
9	1.9		
10	1.6		
11	0.5		
12	1.5		
13	0.4		
14	4.5		
OFFSITE	4.5		
TOTAL	25.0	TOTAL	25.0

Site 1 of 9 - Central Maintenance Facility (cont.)

IMPERVIOUS AREAS

Of the 22.5 acres at the CMF, approximately 19.5 acres (87%) are impervious. The amount of impervious areas for each subarea with point-source outfalls are as follows:

SUBAREA	IMPERV. D.A. (AC)	% IMPERV.	OUTFALL	IMPERV. D.A. (AC)	% IMPERV.
1	1.9	86	A	14.4	90
2	1.4	82	B	5.1	100
3	1.3	93			
4	1.0	100			
5	1.6	64			
6	0.4	100			
7	0.5	0			
8	0.4	0			
9	1.8	95			
10	1.6	100			
11	0.6	55			
12	1.5	100			
13	1.0	0			
14	4.5	100			
UNCONTR.	0.0	0.0	UNCONTR.	0.0	0.0
TOTAL	19.5	92%	TOTAL	19.5	92%

SIGNIFICANT MATERIALS - DISPOSAL AND STORAGE

Significant materials located on-site that are exposed to stormwater include asphalt, sand, salt, sand/salt mixtures, and street sweepings. These materials are located at various locations on the facility, as shown on the site map. The quantity of these materials is never constant, and is subject to daily and seasonal fluctuations; therefore, the amount of these materials cannot be quantified.

Other materials onsite include vehicle oils, vehicle maintenance solvents, fuels, lubricants, waste oils, antifreeze, hydraulic oils, propane, methyl-ethyl-ketone (MEK) solvent, toluene, paint thinner, naphtha, mineral spirits, and herbicides and pesticides. Quantities of these materials are very limited, and all of these materials are stored in monitored underground or above-ground storage tanks with spill containment, or in original containers located inside enclosed buildings. All storage tanks have complete leak monitoring devices that are checked at least once per month. All interior storage areas drain to sanitary sewers with sediment traps and oil separators for spill prevention.

There is no disposal of significant materials onsite.

MATERIALS MANAGEMENT

Materials management practiced at the site, to minimize contact with stormwater, include the following:

- storage of most significant materials in enclosed facilities.
- use of tarps, when possible, on exterior salt and sand piles.
- use of jersey-type barriers surrounding some outside material storage piles to minimize sediment transport.
- leak monitoring devices on all underground storage tanks.
- use of solvents in Safety Kleen wash tanks that provide collection of used materials.

MATERIALS HANDLING AREAS

Loading and unloading of significant materials listed above occur at the locations indicated for outside storage piles, and also at various service and storage buildings indicated on the site map. Lubricants, oils, fuels, and propane are all handled at their respective storage tank areas, as indicated on the site map. Other vehicle maintenance materials (degreasers, soaps, oils, etc.) are handled and stored at the main building, as well as the vehicle wash facility in the southeastern corner of the site. Other chemicals and solvents stored onsite are located inside the various enclosed buildings and are not subject to contact with stormwater runoff. Fuels are unloaded adjacent to the underground and above-ground storage tanks.

CHEMICAL APPLICATIONS AREAS

Chemical applications on the grassed portions of the site are performed on a regular basis by the City's Park department. This would include seasonal application of fertilizers, herbicides, and pesticides. A total of four to six applications per year are performed, with amount of materials applied per manufacturers' specifications. As mentioned earlier, storage of other pesticides,

herbicides, fertilizers, and soil conditioners is located in enclosed building only to eliminate the possibility of stormwater contamination.

POLLUTANT CONTROL DEVICES

Pollutant control devices employed include the following:

- vehicle wash area sediment traps to confine sediment removed from the vehicles serviced. This material is periodically removed and disposed of through the City's solid waste collection process. It is estimated that this trap removes 50% to 80% of contaminated sediment.
- leak monitoring devices on all underground storage tanks. These devices insure, at all times, that nearly 100% efficiency against leaks is maintained. Periodic inspections are also performed.

STORMWATER TREATMENT

There is no treatment of stormwater on this site, and all stormwater is ultimately discharged to the adjacent Arkansas River.

HISTORY OF LEAKS AND SPILLS

There have been no quantifiable leaks or spills at this site in the last three years.

LOCATION OF HAZARDOUS WASTES

There are no hazardous wastes onsite.

LOCATION OF GROUNDWATER SPRINGS/GROUNDWATER WELLS/RECEIVING WATERS

There are no groundwater springs located on this site.

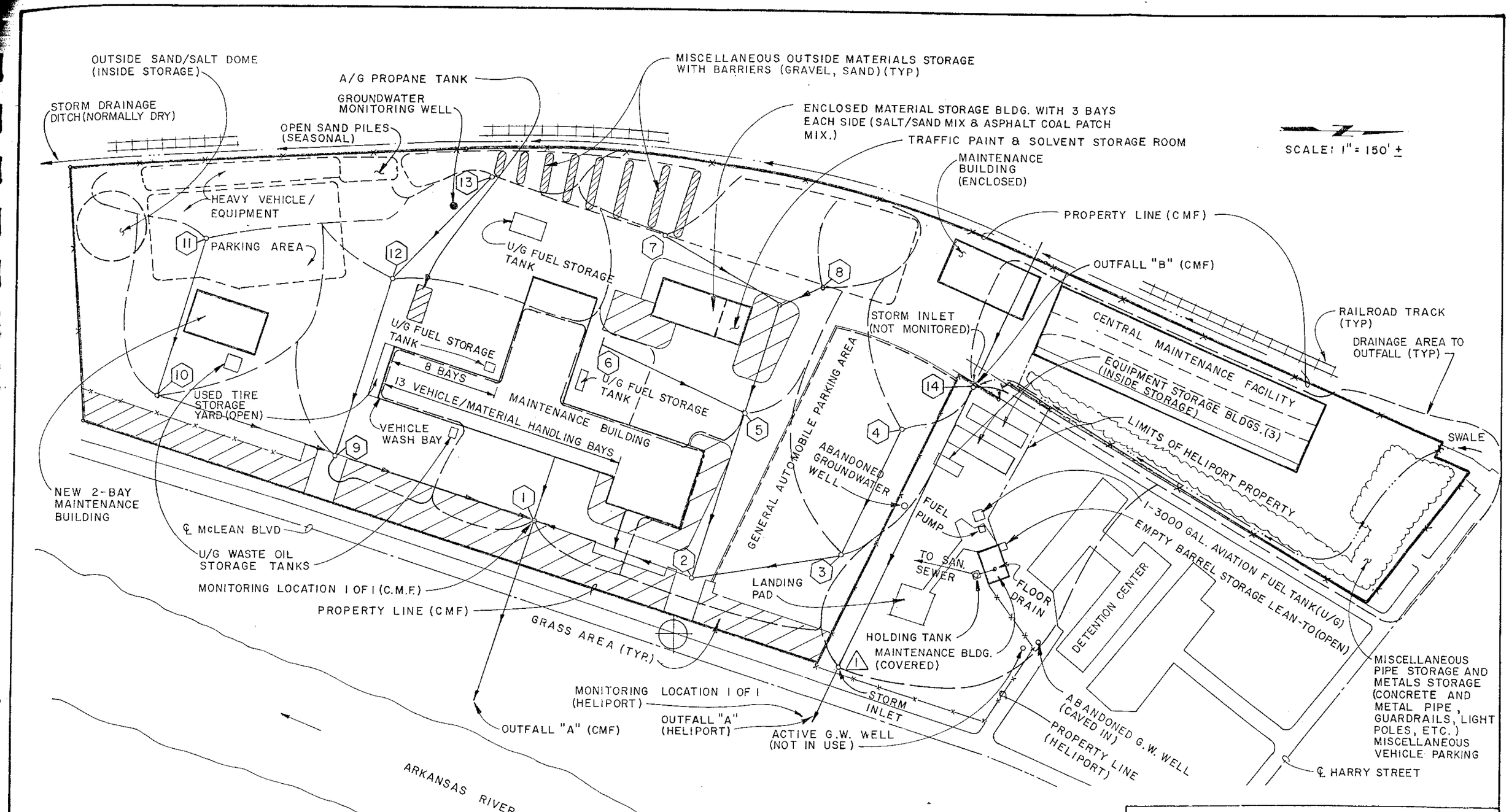
There are no groundwater wells located on this site.

There are no groundwater injection wells through which fluids are injected underground on this site.

There is one groundwater testing well located on the site, adjacent to the underground fuel storage tank.

There are a total of nine vapor detection wells around the underground fuel storage tanks.

The receiving waters for all stormwater runoff from this site is the Arkansas River.



NOTE: NO TOPOGRAPHY IS SHOWN. THERE IS LESS THAN 2 FEET OF ELEVATION DIFFERENCE ACROSS SITE.

WICHITA, KANSAS
NPDES STORMWATER PERMIT

CENTRAL MAINTENANCE FACILITY (AND HELIPORT) SITE PLAN

BLACK & VEATCH
WILSON & COMPANY

FIGURE NO. 1

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

BUREAU OF WATER

KANSAS WATER POLLUTION CONTROL

AND

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITIES

GENERAL PERMIT PACKET

3/2/2012	0.0
DATE	REVISION

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612-1367
(785) 296-5545
Email address: stormwater@kdheks.gov

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EXECUTIVE SUMMARY

Purpose of this General NPDES Permit

The purpose of this general permit is to implement the Federal Water Pollution Control statutes and regulations; to permit discharges of stormwater runoff from construction sites subject to National Pollutant Discharge Elimination System (NPDES) permit requirements; and to protect the waters of the State from sediment and other contaminants.

What is Covered

This permit covers the discharge of stormwater runoff from construction activities that may disturb a cumulative total area equal to or greater than one (1.0) acre or from construction activity that is part of a larger common plan of development or sale that may disturb a cumulative total area equal to or greater than one (1.0) acre. Owners or operators of construction activities which discharge stormwater runoff and which may disturb an area equal to or greater than one (1.0) acre or are part of a larger common plan of development must receive authorization to discharge stormwater runoff from construction activities under this NPDES general permit.

Owners or operators of construction activities which disturb less than one acre (<1.0 acre) and which are not part of a larger common plan of development or sale must have authorization to discharge stormwater runoff from construction activities under this NPDES general permit when KDHE believes the water quality impact warrants consideration.

Subdivision developments are considered to be a larger common plan of development or sale regardless of the size, ownership, or number of lots or parcels within the development. Therefore, each subdivision requires a permit to discharge stormwater if construction activities may occur during the life of the development. Each new owner of a lot or parcel that is part of a larger common plan of development must either complete a KDHE Individual Lot Certification (ILC) or have similar wording in the lot purchase contract. The ILC is an agreement between the new owner of the lot or parcel and the permittee to implement the SWP2 plan and the conditions of the NPDES general permit cooperatively.

How to Obtain a Permit

A request for Authorization for coverage under the construction stormwater general permit is made by fully completing and submitting a construction stormwater "Notice of Intent" (NOI) form, the $60 permit fee, and all needed supporting documents. The NOI form is a request for coverage under the requirements and conditions of the Kansas “Stormwater Runoff from Construction Activities General Permit”. The form and the instructions for completing the form are available upon written request from the Kansas Department of Health and Environment or may be downloaded from the KDHE Stormwater Website (www.kdheks.gov/stormwater). The NOI needs to be sent to KDHE at least 60 days before starting construction. KDHE will make every effort to either authorize the construction activities within 60 days or provide comments on application or Stormwater Pollution Prevention Plan deficiencies. Construction site soil disturbing activities may commence only when the owner or operator receives an Authorization for the construction activity from KDHE Bureau of Water.

Authorization for the construction activity will be indicated on the NOI form. Upon authorization of the construction activity and associated stormwater discharges a Kansas permit number and a Federal permit number will be assigned to the construction project and indicated on the NOI form. A signed and dated copy of the Authorization will be provided to the owner or operator.

What the Permit Costs

The permit fee is established by regulation (K.A.R. 28-16-56 et seq. as amended). At the time this information packet was developed, the permit fee for this general permit for stormwater runoff from construction activities was $60 per year.

EXECUTIVE SUMMARY

What the Permit Requires

The primary requirement of the general permit is for the permittee to develop and implement a Stormwater Pollution Prevention (SWP2) Plan. The SWP2 Plan must contain certain items that are specified in the general permit including the "Best Management Practices" that will be utilized to control erosion, sediment discharges, and reduce the potential of the contamination of stormwater runoff associated with construction activities.

When the soil disturbing activity is completed and final stabilization of the site is achieved, the permittee must notify KDHE to terminate the authorization to discharge. To maintain Authorization to discharge stormwater runoff from construction activities the permittee will need to pay an annual permit fee, as specified in K.A.R. 28-16-56 et seq., until final site stabilization, and Authorization is terminated.

The permittee is required to comply with all of the applicable provisions, requirements, conditions, and limits listed in the general permit. This summary is provided for information only and does not describe all of the applicable requirements in the general permit.

Availability of Forms and Information

Copies of all forms, references, or the NPDES general permit can be downloaded from the KDHE Stormwater Website at http://www.kdheks.gov/stormwater.

Copies of all forms, references or the NPDES general permit requirements may also be obtained by writing to:

Kansas Department of Health and Environment
Bureau of Water - Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612 – 1367

or by e-mail to: stormwater@kdheks.gov

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

BUREAU OF WATER

KANSAS WATER POLLUTION CONTROL

AND

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITIES

GENERAL PERMIT

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Please note: *The Department has provided several options for obtaining copies of these forms, but at this time the Department cannot accept electronic submittals (e-mail or fax) of completed forms. Original copies of all forms must be received before permit/exclusion requests can be processed.*

Upon request, KDHE will provide copies of State published information. EPA and/or NTIS contact information will be provided in response to requests for Federal Publications.

General Permit No. S-MCST-0312-1
Federal Permit No. KSR100000

Kansas Water Pollution Control General Permit
and Authorization to Discharge

STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITIES

Under the National Pollutant Discharge Elimination System

Pursuant to the Provisions of Kansas Statutes Annotated 65-164 and 65-165; the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et seq.; the "Clean Water Act"); and the Kansas Surface Water Quality Standards (K.A.R. 28-16-28 et seq.); this NPDES general permit provides the requirements and conditions under which the permittee is authorized to discharge stormwater runoff from construction activities.

Coverage is provided and construction Stormwater discharge is authorized when the Kansas Department of Health and Environment (KDHE) issues an Authorization to discharge stormwater runoff from construction activities until the Authorization is revoked/terminated. A signed and dated copy of the Authorization will be provided to the permittee.

Upon Authorization, the Permittee is allowed to discharge stormwater runoff from construction activities described in the Notice of Intent for Stormwater Runoff from Construction Activities and supporting documents in accordance with the requirements and conditions of this NPDES General Permit and the Stormwater Pollution Prevention Plan developed for the identified construction activities.

This NPDES general permit is effective March 2, 2012 through March 1, 2017.

(signed by Secretary Robert Moser, M.D.)
Secretary, Kansas Department of Health and Environment

March 2, 2012
Date

AUTHORIZED ACTIVITY DESCRIPTION:

Construction Activities

Construction activities consist of any activity (e.g. clearing, grubbing, excavating, and grading) which disturb a cumulative total of one (1.0) or more acres or when the site is a part of a larger common plan of development or sale which will disturb a cumulative total of one or more acres.

Owners or operators of construction activities which disturb less than one acre (<1.0 acre), and which are not part of larger common plan of development or sale, must have authorization to discharge stormwater runoff from construction activities under this NPDES general permit when KDHE notifies the owner or operator that the water quality impact from discharge of stormwater runoff from construction activity warrants consideration because the proposed construction activities constitute a significant pollution potential.

Construction activities do not include routine maintenance (see endnote 7, page 17).

Upon issuance of this NPDES General Permit, owners or operators who intend to engage in construction activities as indicated above shall obtain authorization to discharge stormwater runoff under this NPDES general permit prior to commencing construction activities at the project site. To obtain authorization to discharge stormwater runoff, the owner or operator of a construction site needs to submit a Notice of Intent (NOI) for the discharge of stormwater runoff from construction activities at least 60 days prior to removing vegetation or disturbing soil at the site to avoid any unplanned delays in the start of construction. The NOI form is a request for coverage under the requirements and conditions of this NPDES general permit. To obtain authorization, the NOI form and supporting documents shall be submitted in accordance with Part 4 of this NPDES general NPDES permit. Upon acceptance of the NOI and supporting documents, KDHE will indicate the authorization for coverage under the NPDES general permit on the first page of the NOI form, assign authorization numbers, and indicate the KDHE issuance of the Authorization with the Department Secretary's signature. The owner or operator is then authorized to discharge stormwater runoff from construction activities under the provisions of this NPDES general permit and may commence construction activities at the site described in the NOI and supporting documents in accordance with the terms and conditions expressed in this NPDES general permit and in conformance with the stormwater pollution prevention plan developed for the site.

Owners or operators who received authorization to discharge under the previous Stormwater Runoff from Construction Activities General Permit S-MCST-0701-1, may continue to operate under those permit provisions, conditions, requirements, limits, site specific authorized Best Management Practices (BMPs), and site specific authorized Stormwater Pollution Prevention Plan (SWP2 Plan) until 18 months after permit issuance. If by 18 months after permit issuance all construction activities authorized by General Permit S-MCST-0701-1 have not been completed, the construction site stabilized, a Notice of Termination (NOT) completed and submitted in conformance with the permit requirements and the Notice of Termination accepted by KDHE , the permittee shall amend the current SWP2 Plan, implement the amended SWP2 Plan, and install appropriate BMPs in conformance with all permit provisions, conditions, requirements, and limits as established in this NPDES general permit (Permit No. S-MCST-0312-1).

Rather than submitting an NOI, owners or operators who intend to engage in construction activity that will disturb between one (1) and five (5) acres may request a rainfall erosivity waiver. To receive a waiver, the owner or operator of a construction site shall submit a rainfall erosivity waiver application form at least 60 days prior to removing vegetation or disturbing soil at the site. To be authorized, the small construction activity must have a low predicted rainfall potential that corresponds to a rainfall erosivity factor of less than 5 as calculated by the Revised Universal Soil Loss Equation [RUSLE]. The rainfall erosivity waiver application form is available on the Kansas Stormwater Website **(see endnote 1, page 17)**. Copies can also be obtained by writing or e-mailing KDHE at the addresses in Part 10.2. Prior to commencing construction, the owner or operator must receive a copy of the authorized rainfall erosivity waiver from KDHE prior to initiation of construction activities at the site.

Any owner or operator who is subject to NPDES permit requirements for stormwater runoff from construction activities and who discharges stormwater runoff from construction activities prior to receiving authorization from KDHE is in violation of both State and Federal laws.

PREFACE

The purpose of this NPDES general permit is to implement the Federal Water Pollution Control statutes and regulations; permit discharges of stormwater runoff from construction sites subject to National Pollutant Discharge Elimination System (NPDES) permit requirements; and to protect waters of the State from sediment and other contaminants.

The issuance of an authorization to discharge under this NPDES general permit allows a project owner or operator, after implementation of the project site stormwater pollution prevention plan, to commence construction site soil disturbing activities that can produce or potentially produce a discharge of contaminated stormwater runoff to surface waters of the State of Kansas. In the absence of information demonstrating otherwise, KDHE expects that compliance with provisions and conditions in this permit will result in the discharge of stormwater being controlled as necessary to meet applicable Kansas surface water quality standards.

This NPDES general permit does not authorize the placement of fill materials in a flood plain, the obstruction of stream flow, directing stormwater runoff across private property, increasing stormwater runoff flow, changing the channel of a defined drainage course, etc. This NPDES general permit is intended to address only the quality of the stormwater runoff and to minimize off-site migration of sediments or other pollutants.

KDHE administers a number of regulatory programs that may preclude the initiation of construction activities until such time as a specific permit is issued or authorization is granted. This NPDES general permit authorization solely addresses NPDES stormwater discharge requirements for construction activities. It is the obligation of the permittee to ensure compliance with all other KDHE, State, Federal and local statutory and regulatory requirements.

Owners or operators seeking coverage under this NPDES general permit which have the potential to impact threatened or endangered species or historical sites can obtain information regarding regulatory requirements or special conditions which may be applicable to the activities covered by this permit from the Kansas Department of Wildlife, Parks, and Tourism (KDWP&T) or the Kansas Historical Society (KSHS) respectively (See NOI instructions for contact information).

Other appropriate agencies should be contacted to determine the need for additional permits, authorizations, or requirements, if any. In particular the applicant should contact the **local municipal separate storm sewer system (MS4) agency (see endnote 2, page 17)**. Other agencies the applicant should contact include the United States Army Corps of Engineers; Kansas Department of Agriculture, Division of Water Resources; and any other local governments or agencies that are not listed herein that may have jurisdiction.

Authorization to Discharge under this NPDES general permit does not constitute approval of the project under the provisions of the Kansas Water Projects Environmental Coordination Act, and does not relieve the permittee of the responsibility to comply with the requirements of other Agencies prior to commencement of construction activities.

Part 1. WHO MUST OBTAIN AUTHORIZATION TO DISCHARGE

Owners or operators of construction activities which may disturb one (1.0) or more acres of soil or are part of a larger common plan of development or sale which may disturb a cumulative total of one (1.0) or more acres of soil must obtain authorization to discharge stormwater runoff from construction activities.

Owners or operators of construction activities which disturb less than one acre (<1.0 acre) of soil, and are not part of larger common plan of development or sale, must have authorization to discharge stormwater runoff from construction activities under this NPDES general permit when KDHE believes the water quality impact warrants consideration or KDHE determines the construction activities constitute a significant pollution potential (i.e., sites that will disturb contaminated soils, contaminated groundwater, or sites adjacent to sensitive waters).

Soil disturbing activities where contaminated soils or contaminated groundwater may be present on the site are reviewed by KDHE on a case-by-case basis and may require coverage under this NPDES general permit or an individual permit even if less than one acre (< 1.0 acre) of soil is disturbed. For sites where contaminated soil or groundwater is present, contact KDHE Bureau of Water - Industrial Programs Section at (785) 296-5549 for a determination on the need for coverage under this NPDES general permit.

Platted subdivision projects must obtain coverage for all areas of the subdivision site. Subdivision projects that have roads and/or utilities constructed under separate contract (e.g., city assessment district) may need to have two concurrent discharge authorization requests (NOIs) for coverage under the NPDES general permit submitted. The owner (developer) of the subdivision project must maintain coverage for the individual lot construction sites. Owners that have control over the construction activities of the entire subdivision site, including roads and utilities, need only submit one discharge authorization request (NOI) for coverage under the NPDES general permit.

Soil disturbing activities in response to a public emergency (e.g., tornado, hurricane earth quake, flood, ice storm)

where the related work requires immediate soil disturbance to avoid imminent endangerment to the public health or the environment is allowed without formal submittal and authorization by KDHE if the owner or operator implements soil erosion and sediment control as soon as possible after the emergency conditions have been resolved and a Notice of Intent application form for coverage under this permit is submitted within 30 days after the start of emergency soil disturbing activities showing the areas disturbed and the soil and erosion controls provided.

KDHE reserves the right to revoke/terminate coverage under this NPDES general permit to applicants for stormwater runoff from construction or soil disturbing activities where annual payment for continuing coverage has not been received or reasonable application of best management practices or pollution controls have not been implemented or maintained following notification by KDHE staff.

Soil disturbing activities associated with construction support activities, such as concrete batch plants, asphalt plants, waste disposal sites and borrow sites are considered as part of the common plan of development for a project and will need coverage under a separate authorization if the support activity is not a commercial operation serving multiple unrelated construction projects and not included in the main project's stormwater pollution prevention plan. Asphalt and concrete batch plants may also need to obtain a separate water pollution control permit for wastewater generated by these facilities.

Part 2. WHAT THIS PERMIT COVERS

Coverage under this NPDES general permit authorizes the discharge of stormwater runoff from construction activities for sites where the discharge point is located in Kansas and for discharges and construction activities that are conducted in accordance with the provisions and requirements of this permit and in accordance with the site specific stormwater pollution prevention plan from the date of Authorization until the site is stabilized and the construction stormwater discharge Notice of Termination (NOT) is accepted by KDHE or the permit is revoked/terminated for cause by KDHE.

However, owners or operators of constructions activities that received KDHE authorization for coverage under the previous Kansas Water Pollution Control and National Pollutant Discharge Elimination System General Permit (General Permit No. S-MCST-0701-1) prior to the effective date of this permit may continue to operate under those permit provisions, conditions, requirements, limits, site specific authorized Best Management Practices (BMPs), and site specific authorized Stormwater Pollution Prevention Plan (SWP2 Plan) until 18 months after issuance of this NPDES general permit. If by 18 months after the effective date of this permit all construction activities authorized by General Permit No. S-MCST-0701-1 have not been completed, the construction site stabilized, a Notice of Termination (NOT) completed and submitted in conformance with the permit requirements and the Notice of Termination accepted by KDHE, the permittee shall amend the current SWP2 Plan, implement the amended SWP2 Plan, and shall install appropriate BMPs in conformance with all permit provisions, conditions, requirements, and limits as established in this NPDES general permit. The intent of this provision is to enable permittees that received authorization for construction activities under the previous general permit (S-MCST-0701-1) time to either complete construction activities and terminate permit coverage or to retain the services of a licensed professional engineer, geologist, architect, landscape architect, or a Certified Professional in Erosion and Sediment Control (Part 7.1) to modify the BMPs and implement a revised SWP2 Plan in conformance with all provisions, conditions, requirements, and limits of this NPDES general permit, which includes EPA's Construction and Development Effluent Guideline Standards (40 CFR 450) in effect at the time this NPDES general permit is issued.

Proposed new or existing unpermitted construction stormwater dischargers, in regard to antidegradation, are eligible for authorization under this general permit to discharge to a Tier 1, 2, or 2½ Water only if the discharge will not lower the water quality of the applicable water. In the absence of information demonstrating otherwise, KDHE expects that development, installation, operation, appropriate maintenance of site specific BMPs and the SWP2 Plan as well as compliance with the provisions, conditions, requirements, and limits of this general permit will result in discharges that will not lower the water quality of the receiving surface water.

Proposed new or existing unpermitted construction stormwater dischargers that will discharge directly into Tier 3 waters (Outstanding National Resource Waters) are, in regard to antidegradation, considered temporary discharges and eligible for authorization under this general permit to discharge stormwater from construction activities but only if the discharge will not lower the water quality of the receiving water, all enhanced (significantly better and more reliable) levels of controls and best management practices are evaluated and implemented to minimize off-site migration of sediments or other pollutants. In the absence of information demonstrating otherwise, KDHE expects that development, installation, operation, appropriate maintenance of enhanced site specific BMPs and the SWP2 Plan as well as compliance with the provisions, conditions, requirements, and limits of this general permit will result in discharges that will not lower the water quality of the receiving surface water and provide the highest protection reasonably available.

This NPDES general permit also authorizes the following

non-stormwater discharges from construction sites during the life of the project:

1. Flushing water hydrants and potable water lines provided appropriate sediment and erosion controls are implemented,

2. Water used for rinsing streets or structures that does not contain cleansers, detergents, solvents or additives;

3. Irrigation to establish vegetation; and

4. Discharges of uncontaminated non-turbid groundwater provided appropriate sediment and erosion controls are implemented;

5. Discharges from emergency fire-fighting activities;

6. Water used to control dust;

7. Uncontaminated air conditioning or compressor condensate;

8. Foundation or footing drains where flows are not contaminated with process materials such as solvents or contaminated groundwater; and

9. Uncontaminated construction dewatering wastewaters that have been treated by an appropriate control. Wastewaters that have been treated by an appropriate control but still contain trace amounts of sediment, are not considered contaminated; and

10. Discharges of stormwater listed above, or authorized non-stormwater commingled with a discharge authorized by a different NPDES permit and/or a discharge that does not require NPDES permit authorization.

Part 3. WHAT THIS PERMIT OR THE RAINFALL EROSIVITY WAIVER DOES NOT COVER

This NPDES general permit does **not** authorize or address:

1. A discharge of stormwater runoff from construction activities which violates the provisions of this NPDES general permit;

2. Construction activities on sites within Kansas which are located on Indian Country lands, **(see endnote 3, page 17)**;

3. Construction activities which may discharge stormwater runoff one-half stream mile or less from a Critical Water Quality Management Area; an Exceptional State Water; a Special Aquatic Life Use Water; or to an Outstanding National Resource Water unless KDHE specifically grants coverage by this NPDES general permit **(see endnote 4, page 17)**.

4. Construction activities that result in the discharge of stormwater runoff which violates the Kansas Surface Water Quality Standards;

5. Construction activities that result in the discharge of stormwater runoff which violates the applicable requirements of a Municipal Separate Storm Sewer program or local stormwater pollution prevention program;

6. Construction activities that may adversely affect threatened or endangered species as listed in K.A.R. 115-15-1 et seq. unless the KDWP&T has been specifically consulted with;

7. Construction activities that may affect any identified archeological sites or historic sites listed or eligible for listing on the National Register of Historic Places unless the KSHS has been specifically consulted with;

8. Projects that are exempt under the Oil & Gas Exemption (see definition). However, if coverage under the NPDES general permit is requested, an Authorization will be issued and permit requirements will be enforced. However, dewatering discharges (e.g., well point or groundwater dewatering wells) and trench dewatering from groundwater infiltration are not exempt activities under the Oil and Gas Exemption and require KDHE approval, permitting, or authorization under the NPDES general permit. KDHE will review discharges based on management by appropriate controls, discharge quality and quantity, and proposed location of the discharge to determine the need for approval or permitting requirements on a case-by-case basis. Acceptable discharges of uncontaminated groundwater dewatering shall meet Kansas Surface Water Quality Standards, control sediment by employing bag filters or equivalent technology, and prevent down gradient scouring and soil erosion.

9. Agricultural construction activities are generally exempt unless construction of a drainage structure will drain an area that exceeds the definition of a stream as defined by the Kansas Department of Agriculture under K.A.R. 5-45-1(t);

10. The discharge of stormwater from sites where construction activities resulting in the disturbance of one or more acres or are a part of a common plan of development or sale which may disturb a cumulative total of one or more acres where a discharge is directed to an “impaired water” where the impairment is for total suspended solids, nitrogen, or phosphorous

or a waterbody for which KDHE has developed, and EPA has approved, a Total Maximum Daily Load (TMDL) for total suspended solids, nitrogen, or phosphorous. Authorization for coverage under this general permit will only be granted if the stormwater discharge will not cause or contribute to a violation of surface water quality standards and the permittee implements, operates, and maintains appropriate BMPs, erosion and sediment control measures, and complies with all provisions of this NPDES general permit. In the absence of information demonstrating otherwise, KDHE expects that compliance with the provisions, conditions, and limits in this general permit will result in stormwater discharges being controlled, as necessary, to meet applicable water quality standards and satisfy current provisions in Kansas developed and EPA approved TMDLs directed at total suspended solids and indirectly address releases associated with nitrogen and phosphorus. Per the Kansas TMDLs addressing total suspended solids, KDHE reviews of erosion and sediment control plans, BMPs, and the SWP2 Plans will concentrate on trying to protect and maintain buffers and vegetative filter strips along and immediately adjacent to streams and lakes and to minimize construction impacts on streams. In accordance with the provisions of the TMDLs, KDHE will also concentrate on trying to identify projects operating without an NPDES permit or projects which do not employ effective erosion and sediment control techniques. KDHE may impose additional water-quality based limitations on a site-specific basis or require coverage under an NPDES individual permit if information in the NOI and associated materials, required reports, site inspections conducted by KDHE or EPA, or from other sources indicate that stormwater discharges from the site are not controlled as necessary to meet applicable water quality standards or the provisions of a specific TMDL for the waterbody receiving the discharge.

11. Discharges of water mixed with non-stormwater discharges, unless they are listed as allowable non-stormwater discharges in Part 2 above or are determined by KDHE as not requiring authorization;

12. Discharges of fill or dredged materials regulated by part 401 or 404 of the Clean Water Act unless permits under 401 or 404 so stipulate;

13. Stormwater discharges associated with construction activities that have been covered under an individual permit or a different NPDES general permit, unless authorized by KDHE Bureau of Water;

14. Stormwater and/or allowable non-stormwater discharges associated with construction activities that are discharged to a combined sewer system; and

15. The modification of stormwater drainage (the routing of flows or the change in quantity of flow) onto or across private property.

This NPDES general permit does not relieve the permit holder of the obligation to obtain other approvals, permits, licenses, or documents of sanction that may be required by other federal, state, or local government agencies.

This NPDES general permit also does not authorize any other discharge of sewage, pollutants or wastewater to waters of the State including for example:

a. Hazardous substances or oil from an on-site spill or improper handling and disposal practices;

b. Wash and/or rinse waters from concrete mixing equipment including ready mix concrete trucks;

c. Wastewater generated from wet air pollution control equipment including asphalt plants, or the containment of asphalt plant scrubber water in lined ponds;

d. Contaminated groundwater (see definitions);

e. Wastewater from washout and clean out of stucco, paint, form release oils, curing compounds and other construction materials;

f. Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;

g. Soaps or solvents used in vehicle or equipment washing; or

h. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, unless managed by appropriate controls.

KDHE reserves the right to deny coverage under this NPDES general permit to applicants for stormwater runoff from construction or earth disturbing activities at sites which have contaminated soils which will be disturbed by the construction activity or have contaminated groundwater which could be discharged by the construction activity.

3.1 Individual Permits Required Due to Denial or Non-Compliance -
If the NOI for coverage under this NPDES general permit is denied by KDHE, then the applicant is not eligible for coverage under this NPDES general permit and shall apply for an individual NPDES permit.

The permittee shall apply for an individual NPDES permit at least 180 days prior to commencing construction activities. Construction activities as defined in this permit shall not commence until the individual NPDES permit is issued.

Part 4. HOW TO APPLY

The owner or operator of a construction site needing to discharge stormwater runoff from construction activities shall submit a complete request for coverage under this NPDES general permit to obtain authorization and receive Authorization under this NPDES general permit from KDHE prior to removing vegetation or disturbing soil at the site.

A complete request for Authorization to discharge stormwater runoff from construction activities under this NPDES general permit must be submitted or the request will not be processed. A complete request for Authorization includes:

- An NOI form (construction stormwater) with all information provided and an original authorized signature;
- A check for the first year of the annual permit fee made payable to "KDHE". Per K.A.R. 28-16-56 et seq., as amended, the current annual permit fee for this NPDES general permit is $60;
- An area map delineating the boundary of the construction site and the general topographic features of the area at least one mile beyond the construction site boundary;
- A detailed site plan showing the existing contours, proposed contours, erosion and sediment control features, and locations where stormwater runoff leaves the construction site;
- A narrative summary of the erosion and sediment control(s) and other best management practices that will be utilized to eliminate or minimize contamination of stormwater runoff from the construction activities;
- Design calculations for any proposed sedimentation basin, if applicable; and
- Copies of letters or e-mails documenting coordination with appropriate local, state or federal agencies.

KDHE recommends the NOI and supporting documentation be submitted at least 60 days prior to start of construction activities to avoid unplanned delays in the start of construction. Submittal of a Notice of Intent (NOI) to discharge Stormwater Runoff from Construction Activities and all supporting documentation indicated above, even 60 days after submittal, does not provide automatic coverage under the NPDES general permit. Coverage under this NPDES general permit begins when KDHE authorizes the discharge of stormwater runoff from construction activities identified in the NOI and supporting documentation.

An NOI form can be downloaded from the KDHE Stormwater Website **(see endnote 1, page 17)** or obtained from KDHE at the address given in Part 10 of this NPDES general permit.

If the construction activities will be conducted within the boundaries of an MS4, the permittee shall submit a copy of the KDHE Authorization and all supporting documentation to the operator of the local Municipal Separate Storm Sewer System (MS4) and obtain any permits or approvals that may be required under the local Stormwater Management Program. A list of NPDES permitted MS4 operators which are required to develop a Stormwater Management Program is available on the KDHE Stormwater Website **(endnote 2, page 17)** or upon written request to KDHE Bureau of Water Municipal Programs Section.

Upon KDHE's Authorization to discharge stormwater runoff from construction activities for the site indicated on the NOI and supporting documents, the owner or operator and, if appropriate, the company, corporation, partnership, or government entity they represent becomes the permittee under this NPDES general permit.

Part 5. STARTING CONSTRUCTION ACTIVITY

The owner or operator who has applied for coverage under this NPDES general permit shall not initiate construction activities and discharge or have the potential to discharge stormwater runoff from construction activities described in the NOI until receiving Authorization from KDHE for the discharge.

When the owner or operator receives KDHE's Authorization to discharge stormwater from construction activities, the owner or operator may commence construction activities at the site described in the NOI and supporting documentation under the provisions of this NPDES general permit and in accordance with the construction site stormwater pollution prevention plan (SWP2 plan).

A copy of KDHE's Authorized NOI and the project specific SWP2 plan including the erosion and sediment control plan for the specific project shall be readily available at the construction site.

Part 6. CONTINUING COVERAGE - ANNUAL PERMIT FEE AND RENEWAL REQUIREMENTS

The permit holder shall pay an annual permit fee as specified in K.A.R. 28-16-56 et seq. as amended as long as stormwater discharges from the facility continue to meet the definition of stormwater discharges from construction activities. Make the check payable to "KDHE".

An annual invoice for the annual fee will be sent to the designated contact listed in the NOI. Payment of the annual permit fee is required to maintain continued coverage under this NPDES general permit until such time as a request for a transfer of ownership or until the site is stabilized and a Notice of Termination (NOT) is accepted by KDHE or the permit is revoked/terminated.

This NPDES general permit will expire **five (5) years from issuance**. Should KDHE fail to issue a new NPDES general permit with an effective date on or before the expiration date of this permit, the conditions of this NPDES general permit continue in force until the effective date of a new NPDES general permit.

A permittee who has a valid authorization to discharge stormwater runoff from construction activities under the conditions of this NPDES general permit will continue to be covered until the effective date of the new NPDES general permit and shall comply with the conditions of this NPDES general permit until the effective date of the successor NPDES general permit. Upon the effective date of the successor NPDES general permit, the permittee shall continue to comply with the terms and conditions of the successor NPDES general permit or obtain coverage for construction stormwater discharges under alternative provisions of this permit.

If the permittee wishes to continue construction activities regulated by this NPDES general permit after the expiration date of this permit, the permittee must continue to pay the annual fee, and continue to comply with the terms and conditions of this NPDES general permit until the effective date of the successor NPDES general permit.

On and after the effective date of the successor NPDES general permit, the permit holder must comply with the terms and conditions of the successor permit; and continue paying the annual permit fee; or request an individual NPDES permit. The facility will continue coverage under this NPDES general stormwater permit and comply with the provisions of this NPDES general permit until the individual NPDES permit is issued.

The permittee is not required to submit a new NOI for continuing coverage under the successor NPDES general permit unless modifications, changes or discoveries are made which may affect coverage under the successor NPDES general permit or the information in the current NOI is inaccurate, needs to be updated, or KDHE requests the submission of a new NOI.

Part 7. STORMWATER POLLUTION PREVENTION PLAN REQUIREMENTS AND GUIDELINES

Before initiating construction activities the permittee shall develop a Stormwater Pollution Prevention plan (SWP2 plan) which is specific to the construction activities which are to be employed at the site authorized by this NPDES general permit to discharge stormwater runoff. The permittee shall fully implement the provisions of the SWP2 plan required under this part as a condition of this NPDES general permit throughout the term of the construction project.

The purpose of the SWP2 plan is to ensure the design, implementation, management, and maintenance of "Best Management Practices" (BMPs) in order to eliminate or minimize erosion, sediment; and other pollutants in stormwater runoff from construction activities; comply with the Kansas Surface Water Quality Standards; and ensure compliance with the terms and conditions of this NPDES general permit.

The permittee shall select, install, utilize, operate, and maintain effective BMPs in accordance with best professional judgment, generally accepted and scientifically defensible guidance, and the concepts and methods described in Environmental Protection Agency (EPA) document number EPA 832-R-92-005, entitled *Stormwater Management for Construction Activities - Developing Pollution Prevention Plans and Best Management Practices*, published in September, 1992 and EPA document number EPA 833-R-06-004 entitled *Developing your Stormwater Pollution Prevention Plan, A Guide for Construction Sites* published in May, 2007 **(see endnote 5, page 17)**. The permittee is not limited to the BMPs provided in the EPA guidance manuals. Other pollution or erosion controls must utilize practices with similar effectiveness, and the permittee should develop BMPs with the goal of site specific effectiveness in mind.

7.1 General SWP2 Plan Requirements -

Stormwater Pollution Prevention (SWP2) plans shall be developed and prepared under the supervision of a licensed Kansas professional engineer, geologist, architect, or landscape architect or a Certified Professional in Erosion and Sediment Control **(see endnote 6, page 17)**. Please note: It is unlawful for a person to perform any assignment involving a specific technical profession unless licensed or specifically exempted by the Kansas Board of Technical Professions, and is qualified by education and expertise in that profession to perform such work.

The permittee shall ensure the BMPs and/or pollution controls are properly installed and maintained at the locations and relative timeframes specified in the SWP2 plan. Margin or border BMPs, such as a buffer area or vegetation strips, to control stormwater runoff where it leaves the site boundary, shall be installed or marked for preservation before general site clearing is started. Stormwater runoff from disturbed areas which leave the site shall pass through an appropriate sediment control, such as a sedimentation basin, sediment trap, or silt fence prior to leaving the construction site.

7.2 Contents of SWP2 Plan

7.2.1 Site Description -

The permittee's SWP2 plan shall include all of the information provided in the NOI. The SWP2 plan shall expand upon the NOI information in order to make the SWP2 plan a working document which contractors and site construction workers can use to guide the installation and maintenance of BMPs and pollution controls.

7.2.2 Description of Best Management Practices -

The permittee's SWP2 plan shall include a description of the BMPs and/or pollution controls they will use at the site. The SWP2 plan shall provide the following general information for each BMP and/or pollution control which will be used one or more times at the site:

- a physical description of the BMP and/or pollution control;
- the site and physical conditions which must be met for effective use of the BMP and/or pollution control;
- the BMP and/or pollution control installation/ construction procedures, including typical drawings; and
- operation and maintenance procedures for the BMP and/or pollution control.

The SWP2 plan shall provide the following information for each specific instance where a BMP and/or pollution control is to be installed:

- where, in relation to other site features, the BMP and/or pollution control is to be located;
- when, in relation to each phase of construction, the BMP and/or pollution control will be installed; and
- what site conditions must be met before removal of the BMP and/or pollution control, if it is not permanent.

7.2.3 Detailed SWP2 Plan Requirements -

The SWP2 plan must provide BMPs and/or pollution controls that, at a minimum, are designed, installed, and maintained to:

(1) Control stormwater volume and velocity within the site to minimize soil erosion;

(2) Control stormwater discharges, including both peak flow rates and total stormwater volume, to minimize erosion at outlets and to minimize downstream channel and stream bank erosion;

(3) Minimize the amount of soil exposed during construction activity;

(4) Minimize the disturbance of steep slopes (slopes of forty (40) percent or greater, see definitions);

(5) Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;

(6) Provide and maintain natural buffers around surface waters, direct stormwater to vegetated areas to increase sediment removal and maximize stormwater infiltration, unless infeasible;

(7) Minimize soil compaction and, unless infeasible, preserve topsoil;

(8) Minimize discharges from stream crossings by immediately stabilizing the areas from bank to bank and providing appropriate controls to minimize any stream scour and providing down gradient sediment control from bore pit stockpiles;

(9) Control discharges from sediment or soil stockpiles;

(10) Minimize the generation of dust through the application of water or other dust suppression techniques;

(11) Minimize off-site tracking of soils by utilizing wheel washing facilities or an appropriately designed construction entrance and exit. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge. Off-site track out shall be cleaned up at the end of each work day. Sites with contaminated soils must provide wheel washing and tanks for holding of the wash water, if feasible, or other equivalent practices if the vehicles can track the contaminated soil from the site;

(12) Provide structures to divert significant flows of stormwater from off-site drainage, if feasible;

(13) Reduce erosion of concentrated flows of stormwater in channelized drainage through use of velocity dissipation devices, (e.g., check dams, riprap, and wattles) and installation of channel liners, (e.g., riprap, geotextiles, and erosion control blankets);

(14) Provide storm drain inlet protection (such as rock bags) for inlets down gradient of sites not fully stabilized or where construction activity will soon be started.

7.2.4 Steep Slope Stabilization Requirements -
When construction activities on steep slopes (slopes of forty (40) percent or greater, see definitions) cannot be avoided, the SWPP plan must require the contractor to immediately initiate placement of appropriate erosion control BMPs in any exposed steep slope areas where construction activities have permanently or temporarily ceased, and will not resume for a period exceeding 7 calendar days. For vegetative cover areas, in addition to seeding, watering, mulching, and any other required activities related to the planting and establishment of vegetation, other appropriate erosion control practices such as geotextiles or erosion control mats shall be utilized. Diversion of concentrated or channelized stormwater flows around steep slopes or slope drains shall be utilized where feasible.

7.2.5 Temporary and Permanent Non-Structural BMPs
Examples of non-structural BMPs which the permittee should consider specifying in the SWP2 plan include: temporary seeding, final seeding, mulching, geotextiles, sod stabilization, protection of existing vegetation for use as buffer strips (especially along drainage courses), protection of trees, preserving existing stream channels as overflow areas when channel shortening is allowed, soil stabilizing emulsions and tackifiers, mulch tackifiers, preservation of mature vegetation, stabilized site entrances/exits, wheel brushing or washing, clean-up of soils on roadways, dust control and other appropriate BMPs.

The permittee's SWP2 plan shall require existing vegetation to be preserved where practical, and the time period for soil areas to be without vegetative cover is to be minimized to the extent practical.

Clearing and grubbing within 50 feet of a defined drainage course shall be avoided, if feasible.

Where changes to defined drainage courses are to occur as part of the project, clearing and grubbing within 50 feet of the defined drainage course shall be delayed until all materials and equipment necessary to complete the drainage change are on site.

Changes to defined drainage courses shall be completed as quickly as possible once the work has been initiated. The area impacted by the construction of the drainage course change is to be re-vegetated or stabilized to minimize the length of time the area is exposed.

Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating, or other soil disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. The disturbed areas shall be protected from erosion by maintaining the erosion control BMPs, or stabilizing the area with mulch or other similarly effective soil stabilizing BMPs. Initial stabilization activities must be completed within 21 days.

7.2.6 Temporary and Permanent Structural BMPs -
Examples of structural BMPs which the permittee should consider specifying in the SWP2 plan include: diverting flows from undisturbed areas away from disturbed areas, silt (filter fabric or straw bale) fences, earthen diversion dikes, drainage swales, sediment traps, rock check dams, subsurface drains (to gather or transport water for surface discharge elsewhere), pipe slope drains (to carry concentrated flow down a slope face), level spreaders (to distribute concentrated flow into sheet flow), storm drain inlet protection and outlet protection, reinforced soil retaining systems, gabions, temporary or permanent sediment basins, and other appropriate BMPs.

7.2.7 Sedimentation Basins -
The permittee's SWP2 plan shall require a sedimentation basin, where feasible, for each drainage area with 10 or more acres disturbed at one time.

The sediment basin needs to be designed and maintained to provide at least 3,600 cubic feet of storage per acre drained. Where use of a sediment basin of this size is impractical, the SWP2 plan shall evaluate and specify other similarly effective BMPs to be employed to minimize erosion and control sediment. Where large areas of undisturbed or stabilized areas can drain into the sediment basin or in certain areas of Western Kansas, alternative design detention volumes can be used. See the definition of Sediment Basin Design Criteria for additional clarification and alternatives for sizing and volume requirements.

Outlet structures must be designed and constructed to withdraw water from the surface, unless infeasible. If infeasible, the reason it is infeasible shall be provided as a part of the NOI and SWPP plan submittal to KDHE.

The permittee's SWP2 plan shall require that the sediment basin be cleaned to ensure adequate detention is available. No more than 20 percent of the required sediment basin capacity shall be taken up with sediment. The basin shall be maintained until less than 10 acres of area needing final stabilization within the drainage basin remains. If a sedimentation basin is removed, other appropriate and effective BMP's and/or pollution controls shall be provided, as needed.

The 3,600 cubic feet of storage area per acre drained criteria does not apply to flows from areas where such flows are diverted around both the disturbed area and the sediment basin.

The permittee's SWP2 plan shall require both temporary and permanent sedimentation basins to have a stabilized

emergency spillway to minimize the potential for erosion of the emergency spillway or sediment basin embankment.

7.2.8 Permanent Stormwater Controls -
If applicable, the permittee's SWP2 plan shall include a description of the measures that will be installed during construction to control pollutants in stormwater runoff that will occur after construction activities have been completed. These would include drainage channels or systems; outlet control devices, detention basins, oil water separators, catch basins, etc. This NPDES general permit does not require the permittee or his contractors to operate or maintain these measures beyond the date of the Notice of Termination unless otherwise notified by KDHE.

7.2.9 Additional Site Management BMPs -
The permittee's SWP2 plan shall address other BMPs, as required by site activities, to minimize or eliminate contamination of stormwater runoff. At a minimum, such measures must be designed, installed, implemented and maintained to:

(1) Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be free of detergents, soaps, or solvents and must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;

(2) Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater;

(3) Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures;

(4) Require the contractor to provide solid and hazardous waste management including: providing trash containers and regular site clean up for proper disposal of solid waste such as scrap building material, product/material shipping waste, food containers, and cups; and providing containers and proper disposal for waste paints, solvents, and cleaning compounds;

(5) Require portable toilets for proper disposal of sanitary sewage;

(6) Require storing construction materials away from drainage courses and low areas;

(7) Require containment berms and drip pans at fuel and liquid storage tanks and containers; and

(8) Provide procedures to eliminate or minimize the potential to discharge environmental contaminants from contaminated soil or groundwater.

7.2.10 Site Inspections by Permittee -
The permittee shall ensure the entire construction site including but not limited to disturbed areas, BMPs, waste and construction storage areas, drainage areas, locations where stormwater can flow from the construction site, and permanent and temporarily stabilized areas is inspected on a regular schedule and within twenty-four hours of the end of a precipitation event which results in precipitation of 0.5 inches or greater. The frequency of regular inspections should be proportional to the amount of construction activity. The permittee should increase the frequency of inspections when construction activity increases. Regularly scheduled inspections shall at a minimum be once every 14 days. For disturbed areas that have not been finally stabilized all installed BMPs and other pollution control measures shall be inspected for proper installation, operation and maintenance. Locations where stormwater runoff leaves the site shall be inspected for evidence of erosion or sediment deposition. Any deficiencies shall be noted in a report of the inspection and corrected within seven calendar days of the inspection. The permittee shall promptly notify the site contractors responsible for operation and maintenance of BMPs of deficiencies.

A report of each inspection shall be documented. The inspection report is to include the following minimum information: inspector's name, date of inspection, observations relative to the effectiveness of the BMPs, actions taken or necessary to correct deficiencies, listing of areas where construction operations have permanently or temporarily stopped, and observations of stormwater discharge locations with respect to the effectiveness of the upgradient
BMPs.

The inspection report shall be completed within 24 hours of the inspection and be signed by the person performing the inspection.

The permittee shall maintain site inspection reports on-site or at the records storage location identified in the NOI. The permittee shall provide a copy of the site inspection reports to KDHE or EPA upon request.

7.3 Modifications and Amendments to SWP2 Plan -
The permittee shall modify or amend the SWP2 plan as appropriate during the term of the construction activity until the site is stabilized. The permittee, an authorized representative, and/or the contractor(s) responsible for installation, operation, and maintenance of the BMPs shall keep a current copy of the SWP2 plan on the project site.

Modifications to the SWP2 plan shall be made to better control the site erosion and sediment discharges based on field conditions or site phasing that was not considered

during SWP2 plan development. The permittee shall indicate the changes on the erosion and sediment control plan sheets, maintain a log showing dates of all SWP2 plan modifications, a brief description of the SWP2 plan modifications, and the name and title of the person authorizing the modification. Changes to the SWPP plan that are not an amendment (see below) are considered modifications and do not need preparation or approval by a professional and do not need to be submitted to KDHE.

The SWP2 plan shall be amended when: there is a change in the project scope which increases the amount of soil disturbed by more than 1.0 acre; when stormwater will discharge into a surface water not originally receiving stormwater from the permitted site construction activities; and when determined as significant by KDHE upon notification of any discovery of contaminated soil or groundwater, potential historic or archeological sites, or threatened or endangered species during the construction that was not identified and addressed in the SWP2 plan. For projects requiring an amendment the permittee will need to submit a letter explaining the changes, a modified erosion and sediment control plan, and a new NOI form indicating the new acreage with the originally issued State and Federal permit numbers. Soil disturbing activity shall not occur on the added or discovered areas until Authorization from KDHE is provided. Amendments need to be submitted at least 60 days prior to changes in the site are implemented. Authorization for the revised project will be indicated in similar fashion as the initially authorized NOI and a copy of the newly authorized NOI provided to the permittee. Amendments to SWP2 plans shall be prepared under the supervision of a Licensed Kansas professional engineer, geologist, architect, or landscape architect or a Certified Professional in Erosion and Sediment Control.

The permittee shall modify or amend the SWP2 plan, at a minimum, whenever:

- there is a change in design, operation, or maintenance of BMPs, pollution controls, or pollution prevention measures;
- there is a change in the design or scope of the construction project which could significantly affect the quality of the stormwater runoff or the use of designated BMPs or pollution controls;
- the construction site inspections indicate deficiencies in the SWP2 plan or any BMP;
- KDHE or EPA notifies the permittee of deficiencies in the SWP2 plan, BMP's, and/or pollution controls;
- the SWP2 plan is determined to be ineffective in significantly minimizing or controlling erosion and sedimentation (e.g. there is evidence, such as excessive site erosion, excessive sediment leaving the site, or excessive sediment deposits in drainage channels, streams, or lakes);
- KDHE determines violations of Surface Water Quality Standards may occur or have occurred, or
- KDHE determines the activities at the site constitute a significant pollution potential which the current SWP2 plan does not adequately address.

The permittee shall provide a copy of the most current SWP2 plan to KDHE or EPA upon request.

The permittee shall notify each contractor or entity (including utility crews, and city employees or their agents) that will perform work at the site of the existence of the SWP2 plan and what action or precautions shall be taken while on-site to minimize the potential for erosion and the potential for damaging any BMP or pollution control. However, the permittee is ultimately responsible for ensuring compliance with this permit.

The permittee shall provide contractors who are responsible for installation, operation, or maintenance of any BMP a copy of or access to the SWP2 plan.

Part 8. TRANSFER OF OWNERSHIP

8.1 Transfer of Entire Permitted Area -
Coverage under and the requirements of this NPDES general permit are transferable but transfer is not automatic and must be authorized by KDHE. The current permittee and the new permittee shall complete a Notice of Transfer of Owner/Operator (NOTO) form, bearing original signatures, and submit to KDHE at the address given in Part 10 of this NPDES general permit.

The permittee named on the first page of the authorized NOI shall submit a Notice of Transfer of Owner/Operator (NOTO) bearing original signatures. If the original permittee is unavailable or unwilling to sign the NOTO (normally due to bankruptcy) the NOTO shall be filled out as much as possible and a cover letter explaining the situation submitted with the NOTO by the new owner.

Transfers shall be requested at least two weeks in advance of transfer of ownership or operational control to ensure KDHE has authorized the transfer and/or provisions that needed to be addressed by the two parties covering continued responsibility by the original permittee until such time as KDHE formally authorizes the permit transfer.

8.2 Partial Permitted Area Transfer of One (1.0) or More Acres -
If ownership or operational control of a contiguous area,

one (1.0) or more acres in size, within the overall project or subdivision area is sold or otherwise transferred by the permittee to another party, then a new complete request for Authorization for the area being sold or otherwise transferred shall be submitted in accordance with Part 4 of this NPDES general permit. This procedure is required for all projects including residential, commercial and industrial subdivisions. Lots for construction of residential homes of greater than one (1.0) acre can utilize procedures under this section or under Part 8.3. Previous clearances issued for the original permitted project area (e.g., Kansas Historical Society, Kansas Department of Wildlife, Parks and Tourism, United States Army Corps of Engineers) may be referenced.

8.3 Partial Permitted Area Transfer of Less Than One (1.0) Acre or a Residential Home Lot -
Both the permittee and the new owner or operator who obtains ownership of a lot or contiguous portion of an overall permitted area that is less than one (1.0) acre in size shall jointly complete an Individual Lot Certification (ILC) form for each lot, lots or portions sold or otherwise transferred, or shall incorporate requirements into the contract for sale that are equivalent to those specified on the ILC form. The ILC or equivalent statements in the contract for sale do not constitute a transfer of the Authorization to discharge. The agreement is between the new owner or operator of the lot or portion and the permittee to implement the SWP2 plan and the conditions of the general NPDES permit cooperatively, however, the original permittee maintains responsibility for discharges from the project site.

The permittee shall maintain the ILC form or a copy of the contract for sale covering the same requirements either on-site or at the Records Address location identified in Section I of the NOI. The permittee shall provide ILC forms or copies of contracts for sale to KDHE, EPA, or any other government agency upon request.

Part 9. PROJECT COMPLETION

The permittee shall notify KDHE of the project completion by submitting a Notice of Termination (NOT). The permittee shall sign the NOT and mail it to KDHE at the address given in Part 10 of this NPDES general permit.

When the soil disturbing activities are complete and final stabilization of all disturbed areas has been achieved, the permittee can terminate coverage under this NPDES general permit by submitting the NOT. The project is considered to be stabilized when perennial vegetation, pavement, buildings, or structures using man-made materials cover all areas which have been disturbed. Vegetation must have a density of at least 70 percent of the density of undisturbed areas at or near the site.

For projects disturbing agricultural land, disturbed areas that are restored to their preconstruction agricultural use are not subject to the above stabilization criteria. Areas that are not being returned to preconstruction agricultural use, must meet the conditions for final stabilization in this Part.

For subdivision development projects, termination of coverage may be requested after three years, provided the entire subdivision is stabilized and the rate of home construction disturbs less than one (1.0) acre per year (approximately 5 lots) or less than one (1.0) acre of land remains to be developed (approximately 5 lots).

Part 10. GENERAL REQUIREMENTS OF THIS PERMIT

10.1 Records -
The permittee shall maintain all records required by this NPDES general permit for a period of three (3) years following the date on the NOT. All records shall be kept on-site or in a readily available location identified in the NOI until final stabilization has been completed. After final stabilization has been completed, records may be maintained at the permittee's main office.

Records shall be readily available during normal business hours.

Records which shall be maintained by the permittee include, but are not limited to:

- The NOI indicating the Authorization by KDHE to discharge stormwater runoff from the construction activities and supporting documentation used to apply for authorization under this NPDES general permit;
- the SWP2 plan for the construction site named in the Authorization to discharge stormwater runoff, and any amendments to the SWP2 plan;
- all site inspection records;
- any clearance letters, from KDWP&T, KSHS, COE, or any other agency providing clearance;
- Individual Lot Certification (ILC) forms or portions of the contract for land sale with equivalent wording; and
- a copy of the Notice of Termination submitted to KDHE.

Except for data determined to be confidential *under 33 USC Section 1318*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. Effluent data shall not be considered confidential. Knowingly making any false statement on any such report or tampering with equipment to falsify data may result in the imposition of criminal penalties as provided for in 33 USC Section 1319 and KSA 65-170c.

10.2 Contact Address -
All notifications, forms, reports, or other correspondence which must be submitted to KDHE as required by this NPDES general permit shall be sent to:

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612 - 1367

Applicants can download copies of all forms, references, or the NPDES general permit from the KDHE Stormwater Website at:

http://www.kdheks.gov/stormwater/index.html

or can be requested by e-mail to KDHE at:

stormwater@kdheks.gov

10.3 Duty to Comply -
The permittee shall comply with all conditions of this NPDES general permit. Any noncompliance with this NPDES general permit constitutes a violation of the CWA, K.S.A. 65-164 and 65-165, and/or K.A.R. 28-16-28 et seq. Noncompliance may result in enforcement action; revocation/termination of this authorization; or amendment of this authorization.

It shall not be a defense for a permittee in an enforcement action to contend that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the conditions of the NPDES general permit.

After implementation of the stormwater pollution prevention plan, if stormwater discharges adversely affect water quality, or cause violations of any other provision of this NPDES general permit, the permittee shall modify and implement the stormwater pollution prevention plan to address the non-compliance.

Failure to comply with the requirements of the NPDES general permit may subject the permittee to enforcement actions including revocation/termination of the authorization to discharge under this NPDES general permit, a requirement to discontinue the permitted activity, fines and/or possible imprisonment.

Failure to pay the annual permit fee will result in revocation/termination of the construction stormwater discharge Authorization.

10.4 Duty to Provide Information and Site Access -
The permittee shall furnish to KDHE; the EPA; or any local agency having jurisdiction for any aspect of the project, any information which is requested to determine compliance with this NPDES general permit.

When the permittee becomes aware they failed to submit any relevant facts or submitted incorrect information to KDHE, they shall promptly submit such facts or information to KDHE at the address given in Part 10.

The permittee shall allow the Director or an authorized representative of KDHE, the EPA, or, local agency having jurisdiction over the project, upon the presentation of proper credentials and other documents as may be required by law, to:

- enter upon the site where a regulated construction project or activity is located or conducted or where records must be kept under the conditions of this NPDES general permit;
- obtain samples of any discharge to waters of the State;
- have access to and copy at reasonable times, any records which must be kept under the conditions of this NPDES general permit; and
- inspect the construction site and any facilities or equipment (including monitoring equipment, stormwater controls, and BMPs).

10.5 Signatory Requirements -
The Notice of Intent (NOI), the Notice of Termination (NOT), and the Notice of Transfer of Owner/Operator (NOTO) shall be signed by the owner, operator, or designee. All forms, reports, or other correspondence which must be submitted to KDHE as required by this NPDES general permit shall be signed by the permittee or a duly authorized representative.

10.6 Chemical and Sewage Spills -
In case of a spill emergency call:

U.S. EPA National Response Center:
(24 hours a day) (800) 424-8802

Kansas Division of Emergency Management: (KDEM)
(24 hours a day) (785) 296-8013
or (800) 275-0297
Website: www.ksready.gov
KDHE: (24 hours a day) (785) 296-1679

10.7 Hazardous Substance and Oil Spill Reporting -
The permittee or authorized representative is required to notify the U.S. EPA National Response Center (800-424-8802) in accordance with the requirements of 40 CFR 117 and 40 CFR 302 as soon as the discharge of any hazardous substance or oil in excess of the reportable quantity has been discovered. A reportable quantity of oil is the quantity which causes a "film or sheen upon or discoloration of the surface of the water or adjoining shorelines or causes a sludge or emulsion to be deposited

beneath the surface of the water or upon adjoining shorelines." Reportable quantities for hazardous substances are listed in the cited CFRs.

The permittee is also required to notify the Local Emergency Planning Agency and the Kansas Division of Emergency Management (KDEM) at the phone numbers and/or website listed above in permit paragraph 10.6.

Nothing in this permit shall be construed to preclude the initiation of any legal action or relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject to under 33 USC Section 1321 or KSA 65-164 et seq.

10.8 Sewage, Wastes, Materials, and Substances Spill Reporting -
Any discharge or escape of sewage, substances, materials, or wastes, as set forth in K.S.A. 65-171d, which are, or threaten to contaminate or alter any of the properties of the waters of the State or pollute soil in a detrimental, harmful, or injurious manner or create a nuisance, shall immediately be reported to the Kansas Department of Health and Environment at (785) 296-1676. The report shall be made by the permittee, or the owner of the spilled materials, or their respective authorized representative.
In the case of discharges under conditions other than those allowed in a valid NPDES permit, the report shall be made by the permittee or an authorized representative. The report shall be made by telephone to KDHE at 785-296-1679 in accordance with K.A.R. 28-48-1 et seq.

Nothing in this NPDES general permit shall be construed to preclude KDHE's institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under the CWA (33 U.S.C. Section 1321); the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA); K.S.A. 65-161 et seq.; or under state or federal statutes or regulations governing oil or hazardous substances or wastes.

10.9 Requiring a Different NPDES Permit -
The Director may require the permittee to apply for and obtain an individual permit or different general permit if:

- the permittee is not in compliance with the conditions of this NPDES general permit;
- the discharge no longer qualifies for this NPDES general permit due to changed site conditions or regulations; or
- information becomes available which indicates water quality standards have been, or may be violated.

The permittee will be notified in writing of the need to apply for an individual permit or a different NPDES general permit. When an individual permit or different general permit is issued to the authorized permittee, this NPDES general permit is automatically revoked/terminated upon the effective date of the individual or different general permit, whichever the case may be.

Part 11. STANDARD CONDITIONS

In addition to the conditions specified in this NPDES general permit, the permittee shall comply with the following Standard Conditions.

11.1 Proper Operation and Maintenance -
The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the requirements of this NPDES general permit, Kansas law, and Federal law. Proper operation and maintenance also includes adequate laboratory controls, if applicable, and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the requirements of this permit. Pollution control systems, erosion control measures or best management practices which require maintenance shall be maintained, repaired or replaced in a timely manner to avoid discharging stormwater runoff laden with pollutants or sediment which adversely impacts water quality.

The permittee shall take all necessary steps to minimize or prevent any adverse impact to human health or the environment resulting from noncompliance with any requirements specified in this permit, including any monitoring as necessary to determine the nature and impact of the stormwater discharge. When necessary to maintain compliance with the permit requirements, the permittee shall halt or reduce those activities under its control.

When necessary to achieve compliance with the terms and conditions of this NPDES general permit, the permittee shall install, operate and maintain backup systems or auxiliary facilities to supplement the erosion control measures and best management practices proposed in the NOI.

11.2 Severability -
The provisions of this NPDES general permit are severable. If any provision of this NPDES general permit or any circumstance is held invalid, the application of such provision to other circumstances and the remainder of the NPDES general permit shall not be affected thereby.

11.3 Permit Modifications and Terminations -
As provided by KAR 28-16-62, after notice and opportunity for a hearing, this permit may be modified, suspended or revoked or terminated in whole or in part during its term for cause as provided, but not limited to those set forth in KAR 28-16-62 and KAR 28-16-28b through g.

The permittee shall furnish to the Director, within a reasonable amount of time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The permittee shall also furnish upon request, copies of all records required to be kept by this permit. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

11.4 Change in Discharge -
All discharges authorized herein shall be consistent with the requirements and conditions of this NPDES general permit.

The SWP2 plan shall be amended or modified to reflect significant changes to the project and/or the stormwater discharges in accordance with the applicable requirements of Part 7.3 of this NPDES general permit.

11.5 Discovery During Construction -
In the event contaminated soil, groundwater contamination, or contamination from hazardous substances are discovered at the site during construction activities, the permittee shall report the discovery to KDHE verbally within 24 hours to (785) 296-5549, and within 5 business days in writing at the stated address in Part 10 of this NPDES general permit. Until site evaluations have been completed and instruction has been provided by KDHE, construction activities in the contaminated area shall cease and additional provisions shall be provided to immediately mitigate discharges from the contaminated area.

Any discovery during construction activities of threatened or endangered species on the site or in the downstream receiving waters, or of a historical or archeological site, that were not previously identified or addressed in the SWP2 plan needs to be reported to the KDWP&T or KSHS and KDHE - Bureau of Water. Until site evaluations have been completed and instruction has been provided by the appropriate agencies, construction activities in the affected area shall cease.

If soil contamination, hazardous substances, threatened or endangered species, or historical or archeological sites are discovered during construction activities, the SWP2 plan shall be modified or amended to reflect this new information in accordance with the requirements and conditions of Part 7.3 of this NPDES general permit.

11.6 Removed Substances -
Solids, sludge, sediment, filter backwash, or other pollutants removed in the course of treatment or control of stormwater runoff shall be properly managed, utilized, and/or disposed of in accordance with applicable statutes and regulations to prevent pollution of surface water, groundwater, or soil.

11.7 Civil, Criminal, and Administrative Liability -
Kansas law provides for civil and criminal punishment including fines and imprisonment for violations of this NPDES general permit. The permittee shall comply with all requirements of this NPDES general permit. Except as authorized in paragraph 11.10 below, nothing in this permit shall be construed to relieve the permittee from administrative, civil or criminal penalties for noncompliance as provided for in KSA 65-161 et seq., and 33 USC Section 1319.

11.8 Property Rights -
The issuance of this NPDES general permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property, nor any invasion of personal rights, nor any infringement or violation of Federal, State or local laws or regulations. This NPDES general permit in no way reduces or eliminates the permittee's responsibilities to landowners whose property may be traversed by stormwater runoff from the project site either before, during, or after construction of the planned project. It is the permittee's responsibility to obtain any necessary approvals from any affected property owner.

11.9 Duty to Mitigate -
The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this NPDES general permit which has a reasonable likelihood of adversely affecting human health or the environment.

11.10 Bypass -
Any diversion or bypass of facilities necessary to maintain compliance with this NPDES general permit is prohibited except where necessary to prevent loss of human life, personal injury, or severe property damage, and where no feasible alternative to the bypass exists.

Any bypass which occurs during construction activities which may affect a threatened or endangered species, or a historical or archeological site, on site or in the receiving water body, shall be reported to KDHE verbally within 24 hours to (785) 296-5549, and within 5 business days in writing at the stated address in Part 10 of this NPDES general permit.

If a bypass occurs during construction activities, the SWP2 plan shall be modified or amended to prevent future occurrences in accordance with the requirements and conditions of this NPDES general permit.

ENDNOTES

1. The NPDES general permit, application forms, guidance material, the rainfall erosivity waiver application, and reference material is available on the KDHE Stormwater Website at www.kdheks.gov/stormwater. The website also provides links to EPA guidance documents and the instructions for the rainfall erosivity calculation, Fact Sheet 3.1 - Storm Water Phase II Final Rule Construction Rainfall Erosivity Waiver

Material available on the KDHE Stormwater Website www.kdheks.gov/stormwater includes; the NPDES general Permit; Notice of Intent; Notice of Termination; Notice of Transfer of Owner/Operator; Individual Lot Certification form; and the Definitions and Acronyms; in Adobe Acrobat Reader format (pdf).

Reference material available on the KDHE Stormwater Website at www.kdheks.gov/stormwater includes the Fact Sheet: Rainfall Erosivity Waiver Application; a list of Exceptional State Waters, Special Aquatic Life Use Waters and Outstanding National Resource Waters, and a link to the current Kansas Surface Water Register and maps.

2. The owner or operator must determine whether discharging stormwater runoff from construction activities on the site is subject to any local applicable requirements. To determine the local requirements applicable to each construction project, the owner or operator must contact the local Municipal Separate Storm Sewer System (MS4) operator. A list of MS4 operators who have or may be required to have a local stormwater pollution prevention program is available on the KDHE Stormwater Website at www.kdheks.gov. This list is provided and maintained for information only, and will not necessarily include all MS4 operators with a local program.

3. If the applicant is uncertain if the project is located on Indian Country land, please contact the Bureau of Indian Affairs Southern Plains Regional Office, Natural Resources Department at (405) 247-6673 and the EPA Region VII Tribal Program at (913) 551-7381 or (913) 551-7069. EPA is the permitting authority on Indian Country land. To request authorization to discharge stormwater runoff from construction activities conducted on Indian Country land, the applicant must contact EPA.

4. To determine if your project is located near one of these areas find the stream segment(s) or lake(s) which receive(s) the stormwater runoff on the Kansas Surface Water Register Maps, then check the designated uses of the stream segment(s) or lake(s) in the Kansas Surface Water Register. Applicants can download a copy of the Surface Water Register from the KDHE Stormwater Website at www.kdheks.gov/stormwater. At the time of this general NPDES permit issuance there were no Critical Water Quality Management Areas established. The stormwater website at: www.kdheks.gov/stormwater includes the most current list should an area be established.

5. The referenced guidance documents are available on-line at: http://nepis.epa.gov/ and http://cfpub.epa.gov/npdes/stormwater/const.cfm. Links to the referenced guidance are also available at the KDHE website: http://kdheks.gov/stormwater.

6. Certification as a professional in erosion and sediment control is available through CPESC, Inc. CPESC information can be obtained through the internet at www.cpesc.org, or by calling (828) 655-1600. For other additional educational opportunities and information, contact the International Erosion Control Association at **www.ieca.org** or by calling (800) 455-4322.

7. Routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the facility that disturbs less than 5 acres is not considered to be construction activity, and therefore is not subject to construction stormwater permitting requirements.

KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

BUREAU OF WATER

KANSAS WATER POLLUTION CONTROL

AND

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITIES

GENERAL PERMIT

APPENDIX 1

DEFINITIONS & ACRONYMS

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DEFINITIONS AND ACRONYMS

These definitions pertain to the Kansas Water Pollution Control General Permit and Authorization to Discharge **STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITIES** under the National Pollutant Discharge Elimination System. Persons subject to the NPDES general permit for Stormwater Runoff From Construction Activities should make themselves familiar with this list of definitions.

"Antidegradation" means the regulatory actions and measures taken to prevent or minimize the lowering of water quality in surface waters of the state, including those streams, lakes, and wetlands in which existing water quality exceeds the level required for maintenance and protection of existing uses.

"Authorization" means written authorization from KDHE to discharge stormwater runoff from construction activities. Upon acceptance and approval of the Construction Stormwater Notice of Intent (NOI) and required supporting documentation, KDHE will indicate the authorization and date on the front page of the NOI form by the Secretary of KDHE's signature on the form, and assign State and Federal Authorization numbers. Upon receipt of this Authorization, the permittee is authorized to discharge stormwater runoff from construction activities from the construction site identified in the NOI and supporting documents.

"Best Management Practices" ("BMPs") means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the State. BMPs 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.

"Borrow Sites" means areas where materials are excavated for use as fill.

"Buffer" means for the purposes of this permit, an area of natural vegetation surrounding streams, rivers, lakes, wetlands, or other waters of the U.S. within which construction activities are restricted.

"Bypass" means any diversion of contaminated stormwater runoff away from BMPs.

"Combined Sewer System" means sewers that are designed to collect rainwater runoff, domestic sewage, and industrial wastewater in the same pipe.

"Commencing Construction" means starting to remove vegetation or disturb the soil located at the site.

"Construction Activity" means any construction practices or work including, but not limited to, clearing, grubbing, grading, and excavation which disturbs one (1.0) acre or more; or which is part of a larger common plan of development or sale which disturbs a cumulative total area of one (1.0) acre or more during the life of the project.

"Construction and Development Effluent Guidelines" as published in 40 CFR § 450 is the regulation requiring effluent limitations guidelines (ELG's) and new source performance standards (NSPS) for controlling the discharge of pollutants from construction sites.

"Construction Site" means the land or water area where construction activities will occur and where stormwater controls will be installed and maintained. The construction site includes construction support activities, which may be located at a different part of the property where the primary construction activity will take place, or on a different piece of property altogether. The construction site is often a smaller subset of the lot or parcel within which the project is taking place.

"Construction Support Activities" means the various construction-related activities that occur alongside the construction activity, and can include activities associated with concrete or asphalt batch plants, equipment staging yards, materials storage areas, excavated material disposal areas, and borrow areas.

DEFINITIONS AND ACRONYMS

"Contaminated Groundwater" means groundwater where an actual or potential environmental or public health threat may be deemed to exist as a result of physical, chemical, biological, or radiological substances, or a combination of these substances, has been released into subsurface waters of the state and results in a concentration or amount of a substance in excess of the numerical criteria designated for aquatic life protection, agricultural use, or public health protection as provided in the Kansas Surface Water Quality Standards: Table of Numeric Criteria or have groundwater concentration levels exceeding the most current version of the KDHE "Risk-based Standards for Kansas (RSK)" manual, Tier 2 for Residential Scenarios - Soil to Groundwater Pathways, or if above RSK levels, the concentrations are not significantly different than area natural background concentrations (RSK Tier 1 evaluation). The manual can be downloaded from the following webpage: www.kdheks.gov/remedial/rsk_manual_page.htm.

"Contaminated Soil" are soils that have soil concentration levels exceeding the lowest concentration of those included in the most current version of the KDHE "Risk-based Standards for Kansas (RSK)" manual, Tier 2 for Residential Scenarios or if above the RSK levels, the concentrations are not significantly different than area natural background concentrations (RSK Tier 1 evaluation). The manual can be downloaded from the following webpage: www.kdheks.gov/remedial/rsk_manual_page.htm.

"Control Measure" refers to any stormwater control, BMP, or other method (including narrative effluent limitations) used to prevent or reduce the discharge of pollutants to waters of the United States.

"Critical Water Quality Management Area" means a watershed, or a portion of a watershed, in which application of minimum state or national wastewater and water quality management practices and procedures cannot be reasonable expected to result in attainment of water quality goals, attainment of water quality standards, protection of resources of the state, prevention of excessive sediment deposition in stream beds, lakes or reservoirs, or prevention of destruction of fishery habitat; or an area in which additional treatment and control of pollutants can result in additional cost effective benefits.

"CWA" means the Clean Water Act or the Federal Water Pollution Control Act, 33 U.S.C. 1251 et seq., as amended on February 4, 1987.

"Defined Drainage" means any water course which has a well-defined bed and banks and a drainage area above the point in question exceeding 160 acres or a greater acreage designated by the Chief Engineer, Kansas Department of Agriculture. The stream need not flow continuously and may flow only briefly after a rain in the watershed.

"Department" means the Kansas Department of Health and Environment.

"Dewatering" means the act of draining or pumping accumulated stormwater and/or groundwater from excavations, building foundations, vaults, trenches, etc.

"Director" means the Director of the Division of Environment, of the Kansas Department of Health and Environment.

"Discharge Monitoring Requirement" means a requirement to observe or evaluate a discharge and note the conditions observed.

"Discharge of Stormwater Associated with Construction Activity" as used in this permit, a discharge of pollutants in stormwater from areas where land-disturbing activities (e.g., clearing, grading, or excavation), construction materials or equipment storage or maintenance (e.g., fill piles, borrow area, concrete truck chute washdown, fueling), or other industrial stormwater directly related to the construction process (e.g., concrete or asphalt batch plants), are located.

"Discharge Point" means for the purposes of this permit, the location where collected and concentrated stormwater flows are discharged from the construction site.

"Drainage Courses or Drainage Swales" means an open linear depression, whether constructed or natural, that functions for the collection and drainage of surface water.

DEFINITIONS AND ACRONYMS

"Duly Authorized Representative" means somebody who speaks, acts or votes on behalf of others. For the purposes of this stormwater general permit, the duly authorized representative either 1) has operational control over the facility; or 2) has the day-to-day operational control of those activities at the facility necessary to ensure compliance.

"Effluent Limitation" means any restriction established by the Director on quantities, rates, and concentrations of chemical, physical, biological and other constituents which are discharged from point sources.

"Effluent Limitations Guideline" (ELG) - defined in 40 CFR § 122.2 as a regulation published by the EPA Administrator under section 304(b) of CWA to adopt or revise effluent limitations.

"Entrance and Exit Points" means any points of entry to and exit from the construction site to be used by vehicles and equipment during construction activities.

"EPA" means the U.S. Environmental Protection Agency.

"Exceptional State Waters" means any of the surface waters or surface water segments that are of remarkable quality or of significant recreational or ecological value, are listed in the surface water register, as defined in K.A.R. 28-16-28b, and are afforded the level of water quality protection under the anti-degradation provisions of K.A.R. 28-16-28c(a) and the mixing zone provisions of K.A.R. 28-16-28c(b).

"Final Stabilization" means all soil disturbing activities at the site have been completed and a uniform perennial vegetative cover with a density of 70% of the cover which is typical for undisturbed areas, unpaved areas, or areas not covered by permanent structures, in the geographic location of the construction site, has been established, or equivalent permanent stabilization measures (such as the use of riprap, gabions, or geotextiles) have been employed. Certain exceptions to this exists for final stabilization of individual lots or completion of construction activities within a larger common plan of development.

"Hazardous Substance" means elements and compounds designated as a hazardous substance pursuant to Section 311(b)(2)(A) of the CWA at 40 CFR 116.4.

"ILC" means the Individual Lot Certification which is to be completed by the permittee and the purchaser of an individual lot or parcel of the overall tract subject to the general NPDES permit for Stormwater Runoff from Construction Activity.

"Impaired Water" "Water Quality Limited Segment" means a surface water that has been identified by KDHE pursuant to Section 303(d) of the Clean Water Act as not meeting applicable Kansas Surface Water Quality Standards. Impaired waters include both waters with approved or established TMDLs, and those for which a TMDL has not yet been approved or established. (Note: To view the Section 303(d) list and TMDLs go to http://www.kdheks.gov/tmdl/index.htm)

"Indian Country Land" means (1) All land within the limits of any Indian reservation under the jurisdiction of the United States Government, notwithstanding the issuance of any patent, and including rights-of-way running throughout the reservation; (2) All dependent Indian communities within the borders of the United States whether within the original or subsequently acquired territory thereof, and whether within or without the limits of the State; and (3) All Indian allotments, the Indian titles to which have not been extinguished, including rights of way running through the same.

"Install" or "Installation" means when used in connection with stormwater controls, to connect or set in position stormwater controls to make them operational.

"KDHE" means the Kansas Department of Health and Environment.

"Material Handling and Staging Area" means a temporary area on the construction site used for receiving, processing, storing materials to prevent the material from being spilled or coming into contact with runoff.

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"Material Washout Area" means a temporary containment area used for the washing of applicators and containers of paint, concrete, and other materials.

"Minimize" means to reduce and/or eliminate to the extent achievable using stormwater controls (including best management practices) that are technologically available and economically practicable and achievable in light of best industry practices.

"Municipal Separate Storm Sewer System (MS4)" means a conveyance or system of conveyances (including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, man-made channels, or storm drains) that are owned or operated by a state, city, town, borough, county, parish, district association, or other public body which is designed or used for collecting or conveying stormwater.

"National Pollutant Discharge Elimination System" means the national system for the issuance of permits under 42 U.S.C. Section 1342 and includes any state or interstate program which has been approved by the administrator, in whole or in part, pursuant to 42 U.S.C. Section 1342.

"NOI" means the Notice of Intent form which is to be used to apply for authorization to discharge under this general permit [A copy of the NOI form is provided as part of the general permit.].

"Non-Stormwater Discharges" means discharges that do not originate from storm events. They can include, but are not limited to, discharges of process water, air conditioner condensate, noncontact cooling water, vehicle wash water, sanitary wastes, concrete washout water, paint wash water, irrigation water, or pipe testing water.

"NOT" means the Notice of Termination form which is to be completed by the permittee once the project is completed and the site is stabilized. [A copy of the NOT form is provided as part of the general permit.]

"NOTO" means the Notice of Transfer of Ownership form which is to be completed by the permittee and the new site owner or operator when sale of the entire permitted tract occurs. [A copy of the NOTO form is provided as part of the general permit.]

"Oil and Gas Exemption" means changes to the Federal Clean Water Act (CWA) which exempt oil and gas exploration, production, processing, or treatment operations, and transmission facilities from National Pollutant Discharge Elimination System (NPDES) stormwater permitting requirements associated with stormwater runoff from construction activities. (see 40 CFR 122.26 (c) (1) (iii) for exclusions to the CWA exemption.)

"Operational" for the purpose of this permit, stormwater controls are made "operational" when they have been installed and implemented, are functioning as designed, and are properly maintained.

"Outfall" see "Discharge Point".

"Outstanding National Resource Water" (ONRW) means any of the surface waters or surface water segments of extraordinary recreational or ecological significance identified in the Kansas Surface Water Register and afforded the highest level of water quality protection under the antidegradation provisions of K.A.R. 28-16-28c(a) and the mixing zone provisions of K.A.R. 28-16-28c(b).

“Owner”, "Owner or operator", or "owner/operator" means the party or parties that either individually or taken together who are the responsible party liable under the Clean Water Act and meet the following criteria: they have operational control over the site specifications; and, they have the day-to-day operational control of those activities at the site necessary to ensure compliance. For a typical commercial construction site, KDHE herein defines the owner or general contractor to be the "owner or operator". For a typical residential development (subdivision), KDHE herein defines the owner or an authorized representative to be the "owner or operator". Each owner or operator who individually does not engage in construction activity of greater than one (1.0) acre must apply when the construction activity is part of a larger common plan of development.

DEFINITIONS AND ACRONYMS

"Permit" means an authorization, license, or equivalent control document issued by the Director to implement the requirements of K.A.R. 28-16-57. Permit includes a `general permit' (K.A.R. 28-16-150). Permit does not include any document which has not yet been subject to final agency action, such as a "draft permit" or "proposed permit."

"Permittee" means the individual, company, corporation, institution, municipality, township, county, federal agency, owner, operator, or legally constituted sewer district which is authorized by a Kansas Water Pollution Control permit to discharge to the waters of the State and which has operational control of the permitted discharge by specifying activities at the site.

"Point Source" means any discernible, confined, and discrete conveyance, including, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, or floating craft from which pollutants are or may be discharged. This term may include structures or site conditions that act to collect and convey stormwater runoff from roadways, urban areas, or industrial sites. This term shall not include agriculture stormwater discharges or return flows from irrigated agricultural land.

"Rainfall Erosivity Waiver" means a waiver of the applicable requirements of the general NPDES permit for Stormwater Runoff from Construction Activities. Owners or operators of construction activities between one and five acres which are eligible for coverage under the general NPDES permit for Stormwater Runoff from Construction Activities may receive a waiver from KDHE provided the value of the rainfall erosivity factor ("R" in the Revised Universal Soil Loss Equation) is less than five (5) during the period of construction activity.

"Run-on" means sources of stormwater that drain from land located upslope or upstream from the regulated site in question.

"Sediment Basin Design Criteria" are requirements for sedimentation structures to be designed to provide a detention volume at least 3,600 cubic feet of storage per acre of total area draining into the sediment basin. KDHE may approve alternate storage volumes if a significant portion of undisturbed area drains to the sediment basin or for areas in Western Kansas where the 2 year, 30 minute rain event is less than 1.3 inches. Runoff calculations based on a detention volume from a 2 year, 30 minute rainfall event with a minimum runoff coefficient of 0.77 for disturbed acreage and appropriate runoff coefficients for undisturbed acreage must be provided to document and justify the revised storage volume requirement.

Sediment basins must be designed to provide the required storage volume below the overflow weir or spillway that allows mass volume of discharge. Designs shall include outlet structures that withdraw water from the surface, unless infeasible.

"Severe Property Damage" means substantial physical damage to property or substantial and permanent loss of natural resources which would be reasonably expected to occur in the absence of a bypass.

"Significant Materials" includes, but is not limited to: raw materials, fuels, materials such as solvents, detergents, and plastic pellets; finished materials such as metallic products; raw materials used in food processing or production; hazardous substances designated under section 101(14) of CERCLA; any chemical the facility is required to report pursuant to EPCRA Section 313; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with storm water discharges.

"Significant Pollution Potential" means the discharge or potential discharge of one or more pollutants that does or has the potential to degrade water quality, violate a water quality standard, or impair a designated use of a classified water. KDHE, in making a determination as to whether a discharge has a significant pollution potential will consider the size and location of the discharge, the quantity and nature of the discharge, and other relevant factors. Examples of a significant pollution potential would include, but not be limited to, contaminated soils or groundwater within the construction site, uncovered salt or salt/sand storage piles; spilled or leaking toxic or hazardous waste; spilled or leaking fuel, oils, grease, solvents; etc.

DEFINITIONS AND ACRONYMS

"Soil Exposed" means for the purposes of this permit, soils that have been disturbed due to the commencement of construction activities.

"Special Aquatic Life Use waters" means surface waters which contain combinations of habitat types and indigenous biota not found commonly in the state, or surface waters which contain representative populations of threatened or endangered species.

"Stabilization" means the use of vegetative and/or non-vegetative cover to prevent erosion and sediment loss in areas exposed through the construction process.

"Steep Slope" means any slope occurring on the construction site that is 2.5 horizontal to 1 vertical or greater (approximately 40 percent).

"Storm Sewer" means a system of pipes (separate from sanitary sewers) that carries stormwater runoff from buildings and land surfaces.

"Stormwater" means stormwater runoff induced by atmospheric precipitation, including snow melt runoff, and surface runoff and drainage.

"Stormwater Control" See "Control Measure"

"Stormwater Pollution Prevention Plan (SWP2 Plan)" means a site-specific, written document and construction plans that: (1) identifies potential sources of stormwater pollution at the construction site; (2) describes stormwater control measures to reduce or eliminate pollutants in stormwater discharges from the construction site; and (3) identifies procedures the operator will implement to comply with the terms and conditions of this general permit.

"Stormwater Runoff from Construction Activities" means stormwater runoff from areas where construction activities are located. Construction activities include clearing, grading and excavating that result in land disturbance of equal to or greater than one (1.0) acre of total land area. Construction activity also includes the disturbance of less than one acre of total land area that is part of a larger common plan of development or sale if the larger common plan will ultimately disturb equal to or greater than one (1.0) acre. Construction activities do not include routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the facility. (See 40 CFR 122.26(b)(14 -15) for further clarification.)

"Stormwater Runoff from Industrial Activities" means the discharge from any conveyance which is used for collecting and conveying stormwater and which is directly related to manufacturing, processing or raw materials storage areas at an industrial plant. The term does not include discharges from facilities or activities excluded from the Kansas Water Pollution Control program.

For the categories of industries identified in this definition, the term includes, but is not limited to, stormwater discharges from industrial plant yards; immediate access roads and rail lines used or traveled by carriers of raw materials, manufactured products, waste material, or by-products used or created by the facility; material handling sites; refuse sites; sites used for the application or disposal of process wastewaters (as defined at 40 CFR 401); sites used for the storage and maintenance of material handling equipment; sites used for residual treatment, storage, or disposal; shipping and receiving areas; manufacturing buildings; storage areas (including tank farms) for raw materials; and intermediate and finished products; and areas where industrial activity has taken place in the past and significant materials remain and are exposed to stormwater.

For the purposes of this paragraph, material handling activities include storage, loading and unloading, transportation or conveyance of any raw material, intermediate product, final product, by-product or waste product. The term excludes areas located on the plant lands separate from the plant's industrial activities, such as office buildings and accompanying parking lots as long as the drainage from the excluded area is not mixed with stormwater drained from the above described areas.

DEFINITIONS AND ACRONYMS

Industrial facilities (including industrial facilities which are Federally, State or municipally owned or operated and meet the description of the facilities listed in this paragraph (i)-(xi) of this definition) include those facilities designated under 40 CFR 122.26(a)(1)(v).

The following categories of facilities are considered to be engaging in industrial activity for the purpose of this general permit/definition:

Category (i) - Facilities subject to storm water effluent limitations guideline, new source performance standards, or toxic pollutant effluent standards under 40 CFR subchapter N;

Limits and/or standards for this category are subject to change and new limits and standards may be adopted. To verify applicability, see 40 CFR subchapter N.

Stormwater Effluent Guidelines

For a discharge to be covered under stormwater effluent guidelines, the facility must have a stormwater discharge subject to stormwater effluent guidelines. At the time of permit issuance, facilities that have stormwater effluent limitations guidelines for at least one of their subcategories include the following:

40 CFR Subchapter N

Part 411 Cement manufacturing
Part 412 Concentrated Animal Feeding Operations (CAFOs)
Part 418 Fertilizer manufacturing
Part 419 Petroleum refining
Part 420 Iron & steel manufacturing
Part 422 Phosphate manufacturing
Part 423 Steam electric power generating
Part 434 Coal mining
Part 436 Mineral mining & processing
Part 440 Ore mining & dressing
Part 442 Transportation equipment cleaning
Part 443 Paving and roofing materials
Part 445 Landfills

A facility that falls into one of these Parts should examine the effluent guideline to determine if it is categorized in one of the subcategories that have stormwater effluent guidelines. If a facility is classified in one of those subcategories, that facility is subject to the standards listed in the CFR for that category, and as such is required to submit an NOI for any stormwater discharge subject to the stormwater effluent guideline.

Toxic Pollutant Effluent Standards

Facilities subject to toxic pollutant effluent standards refers to the standards established pursuant to CWA section 307(a)(2) and codified at 40 CFR Part 129. Part 129 applies only to manufacturers of six pesticide products which are defined as toxic pollutants. Manufacturers of the following pesticides are subject to regulation under these provisions:

(a) Aldrin/Dieldrin, (b) DDT, (c) Endrin, (d) Toxaphen (e) Benzidine, and (f) Polychlorinated Biphenyls (PCBs).

(a) Aldrin/Dieldrin---Aldrin means the compound aldrin as identified by the chemical name, 1,2,3,4,10,10-hexachloro-1,4,4a,5,8,8a-hexahydro-1,4-endo-5,8-exo-dimethanonaphthalene; “”Dieldrin”” means the compound the dieldrin as identified by the chemical name 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo-5,8-exo-dimethanonaphthalene.

(b) DDT---DDT means the compounds DDT, DDD, and DDE as identified by the chemical names:(DDT)-1,1,1-trichloro-2,2-bis(p-chlorophenyl) ethane and some o,p '-isomers; (DDD) or (TDE)-1,1-dichloro-2,2-bis(p-chlorophenyl) ethane and some o,p '-isomers; (DDE)-1,1-dichloro-2,2-bis(p-chlorophenyl) ethylene.

(c) Endrin---Endrin means the compound endrin as identified by the chemical name 1,2,3,4,10,10-hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-1,4-endo-5,8-endodimethanonaphthalene.

(d) Toxaphene---Toxaphene means a material consisting of technical grade chlorinated camphene having the approximate formula of C_{10} H_{10} Cl_8 and normally containing 67--69 percent chlorine by weight.

(e) Benzidine---Benzidine means the compound benzidine and its salts as identified by the chemical name 4,4 '-diaminobiphenyl.

(f) Polychlorinated Biphenyls (PCBs) polychlorinated biphenyls (PCBs) means a mixture of compounds composed of the biphenyl molecule which has been chlorinated to varying degrees.

Please note that the phrase “facilities subject to toxic pollutant effluent standards” does not refer to those industries subject to effluent limitation guidelines for toxics under 40 CFR sub-chapter N.

New Source Performance Standards (NSPS)
For a stormwater discharge associated with industrial activity to be covered under NSPS, the facility must have an activity subject to the NSPS. The new source varies based on the publication date of a particular effluent guideline. Most effluent guidelines listed in 40 CFR Subchapter N contain NSPS.

The following categories of 40 CFR Subchapter N do not have new source performance standards. All other categories have at least one subcategory with new source performance standards.

Part 454 Gum and wood chemicals manufacturing
Part 459 Photographic
Part 460 Hospital

Category (ii) - Facilities classified as Standard Industrial Classifications 24 (except 2434), 26 (except 265 and 267), 28 (except 283), 29, 311, 32 (except 323), 33, 3441, 373;

Category (iii) - Facilities classified as SIC codes 10-14 including active or inactive mining operations (except for areas of coal mining operations no longer meeting the definition of a reclamation area under 40 CFR 434.11(1) because the performance bond issued to the facility by the appropriate SMCRA authority has been released, or areas of non-coal mining operations which have been released from applicable State or Federal reclamation requirements after December 17, 1990), and oil and gas exploration, production, processing, or treatment operations, or transmission facilities that discharge storm water contaminated by contact with or that has come into contact with, any overburden, raw material, intermediate products, finished products, byproducts or waste products located on the site of such operations (inactive mining operations are mining sites that are not being actively mined, but which have an identifiable owner/ operator; inactive mining sites do not include sites where mining claims are being maintained prior to disturbances associated with the extraction, beneficiation, or processing of mined materials, nor sites where minimal activities are undertaken for the sole purpose of maintaining a mining claim).
A facility with an existing or new discharge composed entirely of stormwater from oil or gas exploration, production, processing, or treatment operations or transmission facility is not required to submit a request for authorization under this general permit unless the facility:

(A) Has a discharge of stormwater composed entirely of flows which are from conveyances or systems of conveyances (including but not limited to pipes, conduits, ditches, and channels) used for collecting and conveying collection runoff and which are contaminated by contact with, or come into contact with, any overburden, raw material, intermediate products, finished products, byproducts, or waste products on the site of such operations; or

(B) Has had a discharge of stormwater resulting in the discharge of a reportable quantity for which notification is or was required pursuant to 40 CFR 110.6, 40 CFR 117.21 or 40 CFR 302.6 at anytime since November 16, 1987; or

(C) Causes or contributes to a violation of a water quality standard.

Category (iv) - Hazardous Waste Hazardous waste treatment, storage, or disposal facilities including those that are operating under interim status or a permit under Subtitle C of RCRA.

Category (v) - Landfills, land application sites, and open dumps that receive or have received any industrial waste (waste that is received from any of the facilities described under categories (i) - (xi)) including those that are subject to regulations under Subtitle D of RCRA.

Category (vi) - Recycling of materials, including metal scrap yards, battery reclaimers, salvage yards, and automobile junkyards, including but limited to those classified as SIC 5015 (used motor vehicle parts) and SIC 5093 (scrap and waste materials).

Category (vii) - Steam electric power generating facilities, including coal handling sites.

Category (viii) - Transportation facilities classified by the SIC codes 40, 41, 42 (except 4221-4225), 43, 44, 45, and 5171 listed below which have vehicle maintenance shops, equipment cleaning operations, or airport deicing operations. Only those portions of the facility that are either involved in vehicle maintenance (including vehicle rehabilitation, mechanical repairs, painting, fueling, and lubrication), equipment cleaning operations, airport deicing operations, or which are otherwise identified under categories (i)-(vii) or (ix)-(xi) of this definition are associated with industrial activity, and need permit coverage. Based on a potential for being a significant contributor of pollutants, KDHE has determined Aerial Spray Operations at Airports are subject to coverage for stormwater runoff associated with industrial activity.

Category (ix) - Treatment works treating domestic sewage or any other sewage sludge or wastewater treatment device or system, used in the storage, treatment, recycling, and reclamation of municipal or domestic sewage, including land dedicated to the disposal of sewage sludge that are located within the confines of the facility, with a design flow of 1.0 mgd or more, or required to have an approved pretreatment program under 40 CFR 403. Not included are farm lands, domestic gardens or lands used for sludge management where sludge is beneficially reused and which are not physically located in the confines of the facility, or areas that are in compliance with section 405 of the Clean Water Act.

Category (x) - Construction activity is not covered under this definition. The construction “operator” of both large and small construction activities must apply for coverage under an individual permit or the General Stormwater Permit for Construction Activity requirements.

Category (xi) - Facilities under Standard Industrial Classifications 20, 21, 22, 23, 2434, 25, 265, 267, 27, 283, 285, 30, 31 (except 311), 323, 34 (except 3441), 35, 36, 37 (except 373), 38, 39, and 4221-25.

"Surface water" means all of the following:

(1) streams, including rivers, creeks, brooks, sloughs, draws, arroyos, canals, springs, seeps and cavern streams, and any alluvial aquifers associated with these surface waters;

(2) lakes, including oxbow lakes and other natural lakes and man-made reservoirs, lakes and ponds; and

(3) wetlands, including water bodies meeting the technical definition for jurisdictional wetlands given in the "corps of engineers wetlands delineation manual," as published in January 1987, which is hereby adopted by reference.

DEFINITIONS AND ACRONYMS

"Surface Waters of the State" means all surface waters occurring within the borders of the state of Kansas or forming a part of the border between Kansas and one of the adjoining states.

"Temporary Stabilization" means a condition where exposed soils or disturbed areas are provided a temporary vegetative and/or non-vegetative protective cover to prevent erosion and sediment loss. Temporary stabilization may include temporary seeding, geotextiles, mulches, and other techniques to reduce or eliminate erosion until either final stabilization can be achieved or until further construction activities take place to re-disturb this area.

"Tier 1 Water" means, in regard to antidegradation, a level of protection that provides a "floor" which protects water quality and existing designated uses. Water quality must be preserved to protect and maintain those existing uses. Activities that would lower water quality below levels necessary to maintain existing designated uses are prohibited.

"Tier 2 Water" means, in regard to antidegradation, high quality waters where water quality exceeds the criteria associated with the assigned designated uses. Limited water quality degradation is allowed in high quality water where the degradation is necessary to accommodate important social or economic development, but only if designate uses are still maintained and the highest statutory and regulatory requirements for all point sources of pollution and all cost effective and reasonable best management practices for nonpoint sources of pollution are achieved.

"Tier 2½ Water" means in regard to antidegradation, means a water classified as an Exceptional State Water (see definition of "Exceptional State Waters" in Appendix 1).

"Tier 3 Water" means, in regard to antidegradation, any waters designated as an Outstanding National Resource Water (ONRW) (see definition of Outstanding National Resource Water in Appendix 1).

"Total Maximum Daily Load (TMDL)" is a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. A TMDL includes wasteload allocations (WLAs) for point source discharges; load allocations (LAs) for nonpoint sources and/or natural background, and must include a margin of safety and account for seasonal variations. (Note: To view TMDLs go to http://www.kdheks.gov/tmdl/index.htm.)

"Uncontaminated Groundwater" means water removed from excavation or pumped from an aquifer for dewatering purposes. The water is considered uncontaminated if there is no groundwater contamination within 1,000 feet of the discharge. Suspended solids and turbidity are not sources of contamination for the purposes of this definition but the excavation dewatering discharge must be treated as necessary to remove suspended solids and turbidity to prevent any violation of water quality standards.

"Urbanized Area" means a land area comprising one or more places; central place(s); and the adjacent densely settled surrounding area; or urban fringe; that together have a residential population of at least 50,000 and an overall population density of at least 1,000 people per square mile.

DEFINITIONS AND ACRONYMS

List of Acronyms

BMPS - Best Management Practices
C & D - Construction & Development
CERCLA - Comprehensive Environmental Response, Compensation and Liability Act
CFR - Code of Federal Regulations
CGP – Construction General Permit
CWA - Clean Water Act
CWQMA - Critical Water Quality Management Area
EPA - U.S. Environmental Protection Agency
ESW - Exceptional State Water
ILC - Individual Lot Certification
K.A.R. - Kansas Administrative Regulations
KDHE - Kansas Department of Health and Environment
KDWPT - Kansas Department of Wildlife, Parks and Tourism
K.S.A. - Kansas Statutes Annotated
KSHPO - Kansas State Historic Preservation Office
KSHS – Kansas Historical Society
MS4 - Municipal Separate Storm Sewer System
NOI - Notice of Intent
NOT - Notice of Termination
NOTO - Notice of Transfer of Ownership
NPDES - National Pollutant Discharge Elimination System
NRDC - Natural Resources Defense Council
NTIS - National Technical Information Service
ONRW - Outstanding National Resource Water
RCRA - Resource Conservation and Recovery Act
SALU - Special Aquatic Life Use
SHPO - State Historic Preservation Officer
SMCRA - Surface Mining Control and Reclamation Act
SPCC - Spill Prevention Control Countermeasures
SWP2 Plan or SWPPP - Stormwater Pollution Prevention Plan
U.A. - Urbanized Areas
U.S.C. - United States Code

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KANSAS DEPARTMENT OF HEALTH AND ENVIRONMENT

BUREAU OF WATER

KANSAS WATER POLLUTION CONTROL

AND

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITIES

GENERAL PERMIT

APPENDIX 2

FORMS

Notice of Intent Form (NOI) for Stormwater Runoff from Construction Activities
Notice of Intent Instructions for Stormwater Runoff from Construction Activities
Individual Lot Certification Form (ILC)
Notice of Transfer of Owner/Operator Form (NOTO)
Notice of Termination Form (NOT)

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NOTICE OF INTENT (NOI)

For Authorization to Discharge Stormwater Runoff from Construction Activities
In accordance with the Kansas Water Pollution Control General Permit
Under the National Pollutant Discharge Elimination System (NPDES)

Submission of this Notice of Intent constitutes notice that the party identified in Section I of this form requests authorization for coverage under the Kansas Water Pollution Control general permit, or KDHE issued successor permits, issued for stormwater runoff from construction activities in the State of Kansas. Becoming a permittee obligates the discharger to comply with the terms and conditions of the general permit. **Completion of this NOI does not provide automatic coverage under the general permit. Coverage is provided and discharge permitted when the Kansas Department of Health and Environment (KDHE) authorizes the discharge of stormwater runoff from the construction activities identified on the NOI and supporting documentation. A signed and dated copy of the first page of the NOI indicating the Authorization will be provided to the owner or operator, or all three pages for Conditional Authorizations.** Upon authorization of the construction activity discharge, a Kansas permit number and a Federal permit number will be assigned to the construction project. **A complete request for Authorization for coverage under the general permit must be submitted or the request will not be processed (see listing on Page 3 of this NOI).** KDHE will notify owners or operators whose Notice of Intent (NOI) and supporting documentation for Authorization of stormwater runoff associated with construction activities are incomplete, deficient, or denied.
Please Print or Type.

I. OWNER OR OPERATOR ADDRESS, BILLING, CONTACT & RECORDS LOCATION INFORMATION

A. Owner or Operator's Name: _____

Company Name: _____

Owner or Operator's Phone: _____

Mailing Address: _____

City: _____ State: ____ Zip: _____

B. Billing Contact Name: _____

Billing Contact Address (if different): _____

City: _____ State: ____ Zip: _____

C. Contact Name: _____

Company Name: _____

Contact Phone: _____

Mailing Address: _____

City: _____ State: ____ Zip: _____

E-mail Address (optional): _____

D. Address where records will be kept (if not on-site):

Records Address: _____

City: _____ State: ____ Zip: _____

II. SITE INFORMATION

A. Project Name: _____

Site Address: _____

City:_____ State:____ Zip: _____
(Nearest City to Project)

County: _____

B. LEGAL SITE DESCRIPTION:

_____ QTR of _____ QTR of _____ QTR Section: _____

Township: _____ South; Range: _____ ☐ E ☐ W

Latitude: _____, Longitude: -_____
Deg. Min. Sec. Deg. Min. Sec.

For Official Use Only:

Received	Amount Paid:	Authorized: ☐ Y; ☐ N
	Date:	Is Authorization Conditional? ☐ Y; ☐ N (if yes, see page 3 of NOI for conditions)
	Initials:	
	Check No.:	
_____ Secretary, Kansas Department of Health and Environment		_____ Reviewer _____ Date

KS Permit No.: _____ Federal Permit No.: _____

Send completed 3 page NOI form with original signature and all appropriate submittals (see page 3 of NOI) to:

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612-1367

Note: A copy of the permit can be obtained at: www.kdheks.gov/stormwater or by submitting a written request to KDHE.

KDHE Contact Information:
Phone: (785) 296-5545
E-mail: stormwater@kdheks.gov

C. EXISTING CONDITIONS/USES

1) Is any part of the project located on Indian Country land? ☐ Y; ☐ N
If yes: Contact EPA regarding discharging stormwater runoff from industrial activities on Indian Country land.

2) If stormwater runoff drains to or through a Municipal Separate Storm Sewer System (MS4): MS4 Name: _____

3) Name of the first receiving water, stream, or lake: _____, River Basin: _____

4) Are contaminated soils present on the site or is there groundwater contamination located within the site boundary? ☐ Y; ☐ N
If yes: On separate paper please explain in detail the locations, contaminants and concentrations.

5) Are there any contaminated soils that will be disturbed or any contaminated groundwater that will be pumped by the proposed construction activity? ☐ Y; ☐ N
If yes: On separate paper provide a description of the special erosion and sediment control measures to be utilized.

6) Are there any surface water intakes for public drinking water supplies located within ½ mile of the site discharge points? ☐ Y; ☐ N

7) Are there any known historical or archeological sites present within the site boundary or any historic structures located within 1000 feet of the project site? ☐ Y; ☐ N
Note: Include documentation of project-specific coordination with the Kansas Historical Society in making this determination.

8) Is any threatened or endangered species habitat located within the site boundary or in the receiving water body? ☐ Y; ☐ N
Note: Include documentation of project-specific coordination with the Kansas Department of Wildlife, Parks & Tourism in making this determination.

9) Will the project impact the line or grade of a stream or does it include dredge or fill of a potential jurisdictional water body or wetlands? ☐ Y; ☐ N
If yes: Include documentation of project-specific coordination with the US Army Corps of Engineers and/or the Kansas Department of Agriculture, Division of Water Resources in making this determination.

10) Are any Critical Water Quality Management Areas, Special Aquatic Life Use Waters, or Outstanding National Resource Waters located within ½ mile of the facility boundary? ☐ Y; ☐ N

If yes, list the names of all such areas and waters: _____

D. PROJECT DESCRIPTION

1) Project Description: _____

_____

2) Does this NOI include all proposed soil disturbing activities associated with the entire common plan of development? ☐ Y; ☐ N

If no, explain what development areas of the site are not included in this NOI and provide contact information, if available, for the party or parties that own or have operational control of these areas:

_____

_____

3) Anticipated project Start Date: _____, and Completion Date: _____

4) Estimated total area to be disturbed: _____ Acres Total area of the site: _____ Acres

5) Do you plan to disturb ten or more acres that are within a common drainage area? ☐ Y; ☐ N

If yes, will a sedimentation basin be installed in that drainage area? (Attach design calculations for each sedimentation basin.) ☐ Y; ☐ N
If a sediment basin is not feasible, on a separate sheet explain what similarly effective erosion and sediment control measures will be implemented in lieu of a sedimentation basin.

E. Maps

Include an area map showing the outline of the construction site and the general topographic features of the area at least one mile beyond the project site boundary.

F. EROSION CONTROL PLAN AND BEST MANAGEMENT PRACTICES

1) Provide a site plan showing the existing contour, proposed contour, the erosion control measures and the locations of stormwater management or pollution control features including BMPs. Incorporate details and notes as necessary to describe the erosion control plans and BMPs.

2) Provide a description of the best management practices which will be utilized to control erosion, sedimentation and other pollutants in stormwater runoff during construction.

3) Provide a summary of the sequence of major soil disturbing activities and the corresponding erosion control measures or BMPs.

4) Provide the name and License or Certification Number of the engineer, geologist, architect, landscape architect, or Certified Professional in Erosion and Sediment Control (CPESC) under which the construction stormwater pollution prevention plan has been developed.

_____	_____	_____
Name	License or Certification Number	Profession or Field (Engineer, Architect, etc.)

III. ANNUAL FEE

Enclose a check for the first year of the annual permit fee specified in K.A.R. 28-16-56 et seq. as amended. Make the check payable to "KDHE". Per K.A.R. 28-16-56, as amended, the current annual permit fee for this general permit is $60. An invoice for the annual permit fee will be sent to the contact person requesting a permit until such time as the permittee submits a Notice of Termination (NOT).

Failure to pay the annual fee will result in termination of the construction stormwater discharge Authorization.

IV. OWNER OR OPERATOR CERTIFICATIONS

I, the undersigned, certify that a Stormwater Pollution Prevention Plan (SWP2 Plan) will be or has been developed for the construction site described in this NOI and supporting documentation. I further certify that the plan will be implemented at the time construction begins, and, as required by the NPDES general permit for Stormwater Runoff from Construction Activity, will revise the SWP2 plan if necessary.

I understand that continued coverage under the NPDES general permit for Stormwater Runoff from Construction Activities is contingent upon maintaining eligibility as provided for in the requirements and conditions of the general permit, and paying the annual fee.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

_____ _____

Signature (owner or operator) **Date**

_____

Name and Official Title (Please print or type. **Form with original signature must be sent to KDHE.**)

Conditions of Authorization - For Official Use Only:

When indicated, Conditions of Authorization are as follows:

_____

_____

_____

_____

_____

_____

_____

A complete request for Authorization for coverage under the general permit must be submitted or the request will not be processed. A complete request for Authorization includes:

- **An NOI form (construction stormwater) with an <u>original authorized signature</u>;**
- **The annual permit fee for the first year; ($60.)**
- **An area map showing the outline of the construction site and the general topographic features of the area at least one mile beyond the project site boundary;**
- **A detailed site plan showing the existing contours, proposed contours, erosion and sediment control features, locations where stormwater runoff leaves the construction site;**
- **A narrative summary of the additional erosion and sediment control and other best management practices that will be utilized to prevent or reduce contamination of stormwater runoff from the construction activities;**
- **Total drainage area, storage capacity and design calculations for each sedimentation basin; and**
- **Copies of letters or e-mails documenting coordination with appropriate local, state or federal agencies.**

Notice of Intent (NOI) Instructions
For Authorization to Discharge Stormwater Runoff from Construction Activities
In accordance with the Kansas Water Pollution Control General Permit
Under the National Pollutant Discharge Elimination System

Who Must File an NOI

Owners or operators of construction activities which may disturb one or more acres or are part of a larger common plan of development or sale which may disturb a cumulative total of one or more acres must obtain authorization to discharge stormwater runoff from construction activities.

Owners or operators of construction activities which disturb less than one acre (<1.0 acre), and which are not part of larger common plan of development or sale, must have authorization to discharge stormwater runoff from construction activities under this general NPDES permit when KDHE believes the water quality impact warrants consideration or KDHE determines the construction activities constitute a significant pollution potential.

Construction activities associated with oil & gas exploration, production or transmission, the construction activities may be exempt under the Oil & Gas Exemption (see permit). However, if Authorization under the general permit is requested for these activities, a permit will be issued and enforced.

The owner or operator of a site that may have a discharge of stormwater runoff from construction activities must submit an **original signed NOI** and all required supporting documentation to obtain coverage under a Kansas Water Pollution Control general permit.

This general permit addresses water quality, not quantity or stormwater routing.

Where To Send an NOI Form

Send the NOI form and all required supporting documentation to the following address:

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612 - 1367

The general NPDES permit, the NOI, copies of other relevant forms, reference material and guidance is available from the KDHE Stormwater Website: www.kdheks.gov/stormwater

A hard copy of the NOI form, the general NPDES permit, the general permit information packet, or other reference material or guidance may also be obtained by sending a written request to KDHE at the above address.

For additional information, contact KDHE at (785) 296-5545 or by e-mail at: stormwater@kdheks.gov

When to Send an NOI Form

Submit an NOI no later than 60 days prior to the start of construction activities, i.e., soil disturbing activities.

Owners or operators are encouraged to submit an NOI as soon as possible to avoid delaying construction. Discharge under the general permit for Stormwater Runoff from Construction Activities is not Authorized until KDHE indicates the date of Authorization on the NOI form, assigns the Authorization permit numbers and issues the Authorization with the Secretary of KDHE's signature. KDHE anticipates authorizing most construction stormwater discharges within 60 days following receipt. However, delays may occur from incomplete submittals, inadequate erosion and sediment control plans, or KDHE office workload.

If coverage under the NPDES general permit is denied, an application for an individual Kansas Water Pollution Control permit will be required to obtain discharge Authorization. Individual permits require a minimum of 90 days for processing upon receipt of the individual Kansas Water Pollution Control permit application.

Section I Owner or Operator & Record Location Information

Identify the owner(s) or operator(s) that either individually or taken together have operational control over the site construction activities; and which have the day-to-day operational control of those activities at the site necessary to ensure compliance. Do not use a colloquial name.

For a typical commercial construction site, the owner or general contractor is the owner or operator. (See the definition.) For a typical residential development (subdivision), the owner or an authorized representative is the owner or operator.

Give the legal name of the company, firm, public organization, or any other entity that owns the site described in the NOI, or if the activity will be on a right of way, leased property, or easement, give the name responsible for the construction activities.

Enter the name and phone number of the person to contact regarding the indicated construction activities. The owner or operator and contact person need not be the same.

Provide the billing contact name and provide the billing address if different than the owner or operator mailing address.

Records regarding the permit must be kept at the project site or at a readily available location. If the records will not be located on the project site, provide the address where the records will be located.

Section II Site Information

A. LOCATION

Enter the project's official or legal name and physical location. Include the street address if known, indicate the city(nearest city to the project site), state, ZIP code and the county(s) where construction will occur.

B. LEGAL SITE DESCRIPTION

Indicate the section, township, and range (to the nearest quarter/quarter section; 40 acres) of the center of the site. Provide the Latitude and Longitude of the approximate center of the site of soil disturbance. A conversion program link is provided on the stormwater webpage at www.kdheks.gov/stormwater.

C. EXISTING CONDITIONS/USES

Indicate whether the site is located on Indian Country land. If the entire construction disturbance is located on Indian Country land, the owner or operator cannot be covered by KDHE under this NPDES general permit.

EPA is the permitting authority on Indian Country land. To request authorization to discharge stormwater runoff from construction activities on Indian Country land, the applicant must contact EPA.

For information on permitting and location of Indian Country land, contact the Bureau of Indian Affairs at (405) 247-6673 or the EPA Region VII Tribal Program at (913) 551-7381 or (913) 551-7069.

If the stormwater runoff from construction activities flows into a municipal separate storm sewer system (MS4), enter the name of the operator of the MS4 (e.g., municipality name, county name, or the name of the responsible public body).

Indicate the river basin in which the project is located.

Provide the name of the first receiving water, stream, or lake. This may be obtained from the Kansas Surface Water Register, a United States Geological Survey (U.S.G.S.) topographic map or KDOT general highway map for the county where the project or discharge point is located.

The Kansas Surface Water Register, can be downloaded from the KDHE Stormwater Website: www.kdheks.gov/stormwater.

Indicate if there are any contaminated soils present on the site or if there is groundwater contamination located within 1000 feet of the site. If so, on separate paper explain in detail the locations, contaminants and concentrations.

Indicate if any contaminated soils will be disturbed or any contaminated groundwater will be pumped by the proposed construction activity? If so, on separate paper explain in detail the locations, contaminants and concentrations.

Identify any and all surface water intakes for public drinking water supplies within one half mile downstream of the discharge points.

Indicate if there are any known historic or archeological sites present within the site boundary or any historic structures located within 1000 feet of the project site. The Kansas Historical Society maintains a list of recorded sites or may recommend the project be surveyed for such sites by a professional archeologist.

The KSHS may be contacted at:

Kansas Historical Society (KSHS)
6425 SW 6th Avenue
Topeka, KS 66615 - 1099
(785) 272-8681, extension 240
e-mail: cultural_resources@kshs.org
website info: www.kshs.org/p/section-106-consultation/15543

Include documentation of coordination with KSHS with the NOI.

Indicate whether any threatened or endangered species are known or are likely to be present within the site boundary or within the receiving water body. Through Kansas Administrative Regulations (K.A.R.) 115-15-1 et seq. the Kansas Department of Wildlife, Parks and Tourism (KDWPT), maintains a listing of threatened or endangered species and their critical habitats.

If threatened or endangered species are likely to be present at the site or within the receiving water body, then list the species and describe the location in relation to the site location. Contact the KDWPT's Environmental Services Section for assistance.

KDWPT may be contacted at:

Kansas Department of Wildlife, Parks and Tourism (KDWPT)
Environmental Services Section
512 SE 25th Avenue
Pratt, KS 67124-8174
(620) 672-5911
e-mail: ess@ksoutdoors.com
website info:
www.kdwpt.state.ks.us/news/Services/Environmental-reviews

Include documentation of coordination with KDWPT with the NOI.

Indicate if there are any Critical Water Quality Management Areas (CWQMA) established in accordance with K.A.R. 28-16-70. (At the time of this general NPDES permit issuance there were no CWQMA established. The stormwater website at: www.kdheks.gov/stormwater includes the most current list should an area be established.); Exceptional State Waters (ESW); Special Aquatic Life Use Waters (SALU), or Outstanding National Resource Waters (ONRW), as listed in the Kansas Surface Water Register which are within ½ mile of the proposed construction project. A listing of these water bodies is maintained by KDHE in the Kansas Surface Water Register and is available on the stormwater website at www.kdheks.gov/stormwater.

Indicate if the project will impact the line or grade of a stream or if it will include dredge or fill of a potential jurisdictional water body or wetlands. If yes, include documentation of project site coordination with the U.S. Army Corps of Engineers (USACE) and The Kansas Dept. of Agriculture, Division of Water Resources (DWR).

The **USACE** may be contacted at:

Kansas (all except KC Metro):	Kansas City Metro Area: *
U.S. Army Corps of Engineers Kansas State Regulatory Office 2710 NE Shady Creek Access Rd. El Dorado, KS 67042 (316) 322-8247 (316) 322-8259 (FAX)	U.S. Army Corps of Engineers Kansas City District 635 Federal Bldg. Rm 402 Kansas City, MO 64106 (816) 389-3990 (816) 389-2032 (FAX)

* Brown, Doniphan, Atchison, Jefferson, Leavenworth, Wyandotte, Douglas, Johnson, and Miami counties

The **DWR** water structures section may be contacted at:

Division of Water Resources
Kansas Department of Agriculture
Water Structures Program
109 SW 9th Street, 2nd Floor
Topeka, Kansas 66612-1283
(785) 296-2933
(785) 296-1176 (FAX)
Email: waterstructures@kda.ks.gov

D. PROJECT DESCRIPTION

Briefly describe the nature of the construction activity.

Indicate whether the entire soil disturbance within the common plan of development is included in this Notice of Intent (NOI) for coverage under the General Permit for Stormwater Runoff from Construction Activity and are included in the SWP2 Plan developed for the project site.

If not, describe the soil disturbing activities within the common plan of development that are not covered by the NOI form. Provide contact information, if available, for the other areas that are not covered by this NOI. Attach additional pages if needed.

Enter the project start date and the estimated completion date for the entire development plan. For phased construction projects with planned intervals of non-activity, do not show the end of a phase as a completion date. If the owner or operator submits a Notice of Termination (NOT) when a construction phase ends, the owner or operator of the construction site must submit a new NOI when construction resumes.

Estimate the area to be disturbed. Include access roads to be constructed, and adjacent or on-site material borrow areas and excess material storage areas, lot grading, and building construction areas.

Total area of the site includes area where soil will be disturbed and areas left undisturbed.

Where a common drainage area of ten or more acres is disturbed a sedimentation basin is required, if feasible. Attach design calculations including total drainage area and storage capacity for each proposed sediment basin.

If a sediment basin is not feasible, indicate why a sediment basin is not feasible and attach a description of a proposed alternative. Proposed alternatives must control erosion and sediment movement as effectively as a sedimentation basin.

E. Maps

Provide a general topographic map or maps of the area extending at least to one mile beyond the property boundaries of the site which clearly shows:

- The construction site, access roads, and the area(s) where soil will be disturbed;
- Existing area contour elevations;
- The location of each existing and proposed discharge point;
- Rivers, waterways, and drainage ditches, and the flow direction;
- Surface water intakes for public water supplies; and
- The map scale and a meridian arrow pointing north.

A 7½-minute series map as published by the U.S.G.S. (or a photocopy of the pertinent portions) or an equivalent scaled topographic map may be submitted. Maps for the State of Kansas may be obtained from the U.S.G.S. Office or Kansas Geological Survey Office listed below.

USGS National Center
12201 Sunrise Valley Drive
Reston, VA 20192, USA
Phone: 703-648-5953
www.usgs.gov/pubprod/maps.html

Kansas Geological Survey
1930 Constant Ave.
Lawrence, KS 66047-3726
Phone: 785-864-3965
KGS maps: www.kgs.ku.edu/Datasale/Maps/index.html

Other sources for maps are as follows:

Microsoft Research Maps: http://msrmaps.com/
Mytopo.com: www.mytopo.com/maps/

F. Erosion Control Plan And Best Management Practices

Provide a detailed site plan(s) showing the existing contours; proposed contours; structural and nonstructural control features; sedimentation basin(s), if any; and the location stormwater runoff leaves the construction site. Identify the areas where soil will be disturbed and stabilization practices that are expected to occur.

Briefly describe the controls and measures that will be implemented to control pollutants in stormwater runoff. Include a description of the BMPs (e.g., good housekeeping, limiting soil disturbance, inspection practices, temporary mulching, spill prevention, etc.) and sediment and erosion control measures (silt fences, wattles, rock outlet protection, sediment basins, etc.).

Also, describe the controls and measures that will be constructed as part of the project and left in place in order to control pollutants from the intended site use after construction is finished. Describe the local requirement, if any, for the permanent stormwater management feature.

Provide the name and license or certification number of the engineer, geologist, architect, landscape architect, or certified erosion and sediment control specialist under which the construction stormwater pollution prevention plan has been developed.

Section III Annual Fee

Enclose a check for the first year of the annual permit fee specified in K.A.R. 28-16-56 et seq. as amended. Make the check payable to "KDHE". Per K.A.R. 28-16-56, as amended, the current annual permit fee for this general permit is $60. An annual bill will be sent to the contact person requesting a permit fee until such time as the permit holder submits a Notice of Termination (NOT).

Failure to pay the annual fee will result in termination of the construction stormwater discharge Authorization.

Section IV Owner or Operator Certifications

The owner or operator should read and ensure they understand the statements of this section before signing the NOI form. The NOI form must be signed by the project owner or operator. **The NOI with an original signature shall be submitted to KDHE.**

The Notice of Intent (NOI), the Notice of Termination (NOT), and the Notice of Transfer of Ownership (NOTO) must be signed by the permittee. All forms, reports, or other correspondence which must be submitted to KDHE as required by this general permit shall be signed and certified by the permittee or an authorized representative.

The Notice of Intent, all SWP2 plans, inspection reports and other information either submitted to KDHE, submitted to the operator of a municipal separate storm sewer system (MS4), or required to be maintained by the permittee under this general permit, shall be signed and certified by the permittee or an authorized representative.

INDIVIDUAL LOT CERTIFICATION

For Authorization to Discharge Stormwater Runoff from Construction Activity
In accordance with Kansas Water Pollution Control General Permit No. S-MCST-0312-1
Under the National Pollutant Discharge Elimination System

The permittee shall maintain this form on-site, or in a readily available location. The permittee shall provide ILC forms or a copy of the contract for land sale having the equivalent wording to KDHE or EPA upon request.

TO BE COMPLETED BY THE NEW LOT OWNER

I certify that I have been informed of my responsibility to provide, or require contractors to provide, appropriate best management practices to minimize sediment discharges and reduce the potential for contamination of stormwater discharges during construction activities on each of the lots or parcels listed below. I have reviewed the terms and conditions of the Kansas Stormwater Runoff from Construction Activities General Permit S-MCST-0312-1 which authorizes the permit holder to discharge stormwater runoff from construction activities, and the subdivision specific Stormwater Pollution Prevention (SWP2) Plan prepared by the permit holder. In the event KDHE notifies the undersigned of water quality violations or permit violations due to conditions at any lot listed below and I am unable or unwilling to take action within 30 days to further reduce erosion or control sediment, then I agree to allow the permit holder to have reasonable access to the site to implement erosion and sediment control measures. I understand this certification is an agreement between the parties named herein to cooperatively implement the SWP2 plan and the conditions of the NPDES general permit.

Subdivision / Project: _____

Legal Description of the Transferred Parcel(s) and/or Lot No.(s): _____

New Owner's Signature: _____ Date: _____

Name (typed or printed) : _____

If the New Owner is a Corporation and not an Individual

Company Name: _____ Phone: _____

Company Address: _____

TO BE COMPLETED BY PERMIT HOLDER

As the permittee for the overall tract wherein the above listed parcel(s) and/or lot(s) are located, I certify that I have informed the lot purchaser of their responsibility to minimize sediment discharges and reduce the potential for contamination of stormwater discharges during construction activities. I have also provided a copy or allowed the new lot owner to review the Kansas Stormwater Runoff from Construction Activities General Permit S-MCST-0312-1 and the subdivision specific Stormwater Pollution Prevention (SWP2) Plan. I understand this certification does not constitute a transfer of the permit. I also understand this certification is an agreement between the parties named herein to cooperatively implement the SWP2 plan and the conditions of the NPDES general permit.

Name of Project: _____

Address: _____ City: _____ County: _____ State: KS Zip Code: _____

Kansas Permit No. _____ Federal Permit No. _____

Company Name: _____ Phone: _____

Company Address: _____

Permittee Signature: _____ Date: _____

Permittee Name: _____

NOTICE OF TRANSFER OF OWNER/OPERATOR

For Authorization to Discharge Stormwater Runoff from Construction Activity
In accordance with Kansas Water Pollution Control General Permit No. S-MCST-0312-1
Under the National Pollutant Discharge Elimination System

Use this form only when stormwater discharge and control responsibility for the entire permitted area will be transferred to a new owner/operator. Partial permitted area transfers and individual lots need to utilize procedures in paragraphs 8.2 and 8.3 of the NPDES general permit. Submission of the Notice of Transfer of Owner/Operator (NOTO) constitutes notice that the new permittee, or an authorized representative, requests authorization for coverage under the Kansas Water Pollution Control general permit, or KDHE issued successor permits, issued for discharge of Stormwater Runoff from Construction Activities in the State of Kansas. **Completion of this NOTO does not provide automatic coverage under the general permit to the new permittee. Coverage is provided and discharge permitted when the Kansas Department of Health and Environment (KDHE) authorizes the transfer.** TO CONTINUE COVERAGE, THE NEW PERMITTEE MUST ASSUME THE RESPONSIBILITY TO PAY THE ANNUAL PERMIT FEE AND CONTINUE TO IMPLEMENT THE STORMWATER POLLUTION PREVENTION PLAN DEVELOPED FOR THE PERMITTED AREA.

Submission of this NOTO to KDHE does not relinquish the current permittee's authorization to discharge stormwater runoff from construction activity at the site described herein. Completion of this NOTO does not automatically relieve the current permittee of any civil, criminal and/or administrative penalties. To be considered complete, the NOTO must be signed by the current permittee or a duly authorized representative of the current permittee, and must include the permit number assigned to the construction site. KDHE will notify any new permittee whose NOTO is incomplete, deficient or denied.

TO BE COMPLETED BY THE NEW PERMITTEE
I hereby accept transfer of the NPDES general permit, which was issued to _____. I have reviewed the terms and conditions of the general permit and the Stormwater Pollution Prevention plan and accept full responsibility, coverage, and liability. This transfer will be effective when KDHE authorizes the transfer.

The NEW permittee is:

Owner or Operator's Name: _____ Contact Name: _____

Company Name: _____ Company Name: _____

Owner or Operator's Phone: _____ Contact Phone: _____

Mailing Address: _____ Mailing Address: _____

City: _____ State: ___ Zip Code: _____ City: _____ State: ___ Zip Code: _____

I certify that I have personally examined and am familiar with the information described herein.

New Permittee's Signature: _____ Date: _____

Name (typed or printed): _____Title: _____

TO BE COMPLETED BY THE CURRENT PERMITTEE
As previous permittee, I hereby agree to the transfer of the permit and all responsibilities thereof. I understand that the transfer of permit responsibilities is effective when KDHE authorizes the transfer.

Name of Project: _____

Address: _____City: _____ County: _____State: KS Zip Code:_____

Kansas Permit No. _____Federal Permit No. _____

Permittee Signature: _____ Date: _____

Permittee Name: _____ Title: _____ Phone Number: _____

Submit the NOTO with original signatures within 14 days of the transfer to:
Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612 - 1367

Authorized: ☐ Y; ☐ N

_____
Reviewer Date

NOTICE OF TERMINATION

To Relinquish the Authorization to Discharge
Stormwater Runoff from Construction Activities
at the Construction Site Described Herein

Submission of this Notice of Termination (NOT) constitutes notice that the party identified below relinquishes authorization for coverage under the Kansas Stormwater Runoff from Construction Activities general permit, or KDHE authorized successor permits, issued for discharge of stormwater runoff for the construction activity at the site named herein. Completion of this NOT does not automatically relieve the former permittee of any civil, criminal and/or administrative penalties.

To be considered acceptable, the NOT must be signed by the current permittee or a duly authorized representative of the current permittee, and must include the permit number assigned to the construction activity. KDHE will notify any permittee whose NOT is incomplete, deficient or denied. **Please Print or Type**.

Name of Project: _____

City: _____ County: _____ State: KS

Kansas Permit No. _____ Federal Permit No. _____

Company Name: _____ Phone: _____

This Notice of Termination is being submitted because: **(check one)**

- ❑ The construction project or larger common plan of development is finished and final site stabilization has been completed (pavement, buildings, structures, or perennial vegetation having a density of at least 70% of undisturbed areas at the site cover all areas which have been disturbed - See Part 9 of the NPDES general permit S-MCST-0312-1).

- ❑ This project is a house development subdivision project that has had a construction stormwater discharge Authorization for at least 3 years, the vacant lots are all stabilized, and the rate of home construction within the development disturbs less than one (1.0) acre (approximately 5 lots) per year or less than one (1.0) acre of land (approximately 5 lots) remain available for development (see Part 9 of the NPDES general permit S-MCST-0312-1).

- ❑ The project was cancelled prior to initiating construction activities. The project construction will not be actively pursued under the current authorization for coverage. It is understood that should the project be revived in the future, a new complete application packet with first year annual permit fee will need to be submitted.

I certify under penalty of law that all soil disturbances associated with the construction activity at the construction site named herein meet one of the two criteria indicated above and have therefore attained final stabilization in accordance with Part 9 of the NPDES general permit S-MCST-0312-1. I understand that by submitting this Notice of Termination, I am no longer authorized under the NPDES general permit S-MCST-0312-1 to discharge stormwater associated with construction activity at this construction site. I understand that discharging pollutants in stormwater associated with construction activity to waters of the State is unlawful under K.S.A. 65-164 and 65-165 and the Clean Water Act without authorization by a valid Kansas Water Pollution Control Permit. I understand that by submitting this Notice of Termination, I am not released from liability for any violations of the NPDES general permit S-MCST-0312-1, K.S.A. 65-164 and 65-165, the Kansas Surface Water Quality Standards (K.A.R. 28-16-28 et seq.), or the Clean Water Act. *I also hereby certify that I am authorized to sign this Notice of Termination as a representative of the permittee named herein.*

Signature: _____ Date: _____

Name and Official Title: _____
(Please print or type)

Submit the NOT with original signature to:

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612 - 1367

For official use only:

Accepted: ☐ Y; ☐ N

_____
Reviewer Date

STORMWATER POLLUTION PREVENTION PLAN

K-96 & Hillside Reclamation Site

Prepared by

CITY OF WICHITA

November 2013

Management Commitment of Resources

The City of Wichita is committed to the implementation of the procedures outlined in this SWPPP and the prevention of pollutants to navigable waters of the United States. This Plan has the full approval of management at a level of authority to commit the resources necessary to implement the SWPP Plan. A copy of this SWPP Plan shall be maintained at the facility at all times and will be made available to the EPA or State of Kansas for on-site review during normal working hours.

Authorized Management Representative Name: _____

Signature: _____

Title: _____

Date: _____

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1 INTRODUCTION

The purpose of this Stormwater Pollution Prevention Plan (SWPPP) is to prevent contamination of stormwater runoff as a result of industrial activities conducted at the K-96 & Hillside Reclamation Site. The City of Wichita owns and operates this facility ¼ mile west of K-96 & Hillside in Wichita, Kansas. The goals of this SWPPP are as follows:

1. Identify potential sources of pollution that may reasonably be expected to contribute to the contamination of stormwater runoff.
2. Establish Best Management Practices (BMP) that eliminate or effectively reduce the routes for contamination to enter stormwater runoff.

The United States Environmental Protection Agency (USEPA) has developed regulations to reduce the introduction of pollutants into stormwater from industrial sites. These regulations have been delegated to the Kansas Department of Health and Environment (KDHE) to administer. Currently, KDHE considers an industrial facility to be in compliance if the owner has submitted a Notice of Intent (NOI) for Stormwater Discharges Associated with Industrial Activity under the General Permit and has developed a SWPPP. This SWPPP was prepared according to the requirements stated within the USEPA and the KDHE guidance documents (Appendix F).

1.1 SWPPP Pollution Prevention Team

The members of the K-96 & Hillside Reclamation Site Pollution Prevention Team (Appendix A, Worksheet #1) are responsible for the day-to-day tasks related to stormwater runoff pollution prevention. The members of the SWPPP Pollution Prevention Team will conduct employee training programs, ensure implementation of BMPs, complete all site inspections, and supervise day-to-day operations at the site which negatively affect stormwater quality. Collectively, the SWPPP Pollution Prevention Team is responsible for the following tasks:

- Performing scheduled inspections.
- Training facility personnel.
- Ensuring that the BMPs in the plan are being implemented.
- Maintaining records.
- Revising the SWPPP to reflect changes to the BMPs employed and to the applicable regulations.
- Preparing the Comprehensive Site Compliance Evaluation for insertion into Appendix C, Worksheet #11 of this document once each year.

The following individuals are designated as the primary members of the SWPPP Pollution Prevention Team at the K-96 & Hillside Reclamation Site:

Individual: Aaron Henning, PE
Title: Maintenance Engineer
Phone: (316) 268-4087

Individual: Mark Wilson
Title: Maintenance Coordinator, NE Substation
Phone: (316) 838-9670

Individual: Donald Cradduck
Title: Street Maintenance Supervisor
Phone: (316) 268-4091

These individuals (or persons in their position) must maintain and update this SWPPP. The Pollution Prevention Team must also coordinate between 'front line' employees and management concerning pollution prevention issues. The Pollution Prevention Team is responsible for carrying out the requirements of the SWPPP as summarized in Table 1-1.

Table 1-1 Requirements of the SWPPP

Activity	Frequency
1. Site Inspections	Monthly, records in Appendix B, Worksheet #13, recordkeeping requirement of 3 years. Inspections shall take place monthly, and/or within 24 hours following a ½" or greater rain event.
2. Comprehensive Site Compliance Evaluation	Annually
3. Comprehensive Site Compliance Evaluation Report	Completed within 2 weeks following Evaluation and inserted in Appendix C, Worksheet #11
4. Comprehensive Site Compliance Evaluation Report Implementation	Performed within 12 weeks of the Evaluation Report
5. Visual Inspection of Stormwater	Results included in Comprehensive Site Compliance Evaluation Report
6. Employee Training	Annually, keep record of training in Appendix D, Worksheet #10 Employee Training
7. Spill Reporting	If spill occurs, documented in Appendix E, Worksheet #4 Significant Spills and Leaks
8. SWPPP Recertification	Once every five years by a Kansas P.E., Appendix F

2 FACILITY DESCRIPTION AND STORMWATER DRAINAGE

2.1 Facility Description

The K-96 & Hillside Reclamation Site is located immediately south of K-96 & ¼ mile west of Hillside in Wichita, Kansas. The K-96 & Hillside Reclamation Site is owned by the City of Wichita, and is located in the northeastern portion of Wichita.

The Reclamation Site is approximately 36 acres, and is a clean rubble/C&D landfill that will be utilized only by, and accessible to, City of Wichita employees or their approved contractors. A clean rubble landfill requires local zoning approval, which has been obtained, but does not require a permit from the Kansas Department of Health and Environment (KDHE). Therefore, the site will initially be utilized for disposal of clean rubble. Disposal of C&D material on the site will occur only after receiving an appropriate C&D landfill license from Sedgwick County and permit from KDHE.

2.2 Facility Drainage

Stormwater runoff from the entire site will drain towards the berm surrounding the sedimentation pond. Runoff will collect in the ditch formed by the outside of the berm and drain to discharge points into the sedimentation pond. Two discharge points drain into the finger-like section of the pond (Inlet No. 01). Inlet 01 drains the southwestern portion of the site from the south and the northwestern portion of the site from the north. Runoff from the site east of the pond will discharge into the pond through Inlet No. 2. Silt carried by the runoff will be settled out in the perimeter ditch and in the sedimentation pond. The pond provides approximately 8 acre-ft of sediment storage over 2.75 ft of pond height. For the 25-year, 24-hour rainfall event, the maximum flow into the pond is about 120 cfs, the maximum discharge is 6 cfs, and the centroid (outflow) to centroid (inflow) detention time is 26.4 hours. The pond discharge is through a 24-inch CMP culvert located on the west end of the finger-like section of the pond.

2.3 Inventory of Exposed Materials

Materials which could potentially come into contact with precipitation and contaminate stormwater runoff have been summarized in the Material Inventory worksheet presented in Appendix A, Worksheet #3. Currently, there are not any significant quantities of materials exposed to stormwater, and there is no storage of chemicals at this site.
If during the Comprehensive Site Compliance Evaluation (Section 5.2), it is determined that any material has been added to K-96 & Hillside Reclamation Site, the Materials Inventory worksheet should be updated. New worksheets should be added to the SWPPP when a new material is introduced to the site. If the use of a material is discontinued, it should be crossed out on the worksheet, and the date its use was discontinued should be noted. The changes should be initialed by the appropriate member of the SWPPP Pollution Prevention Team.

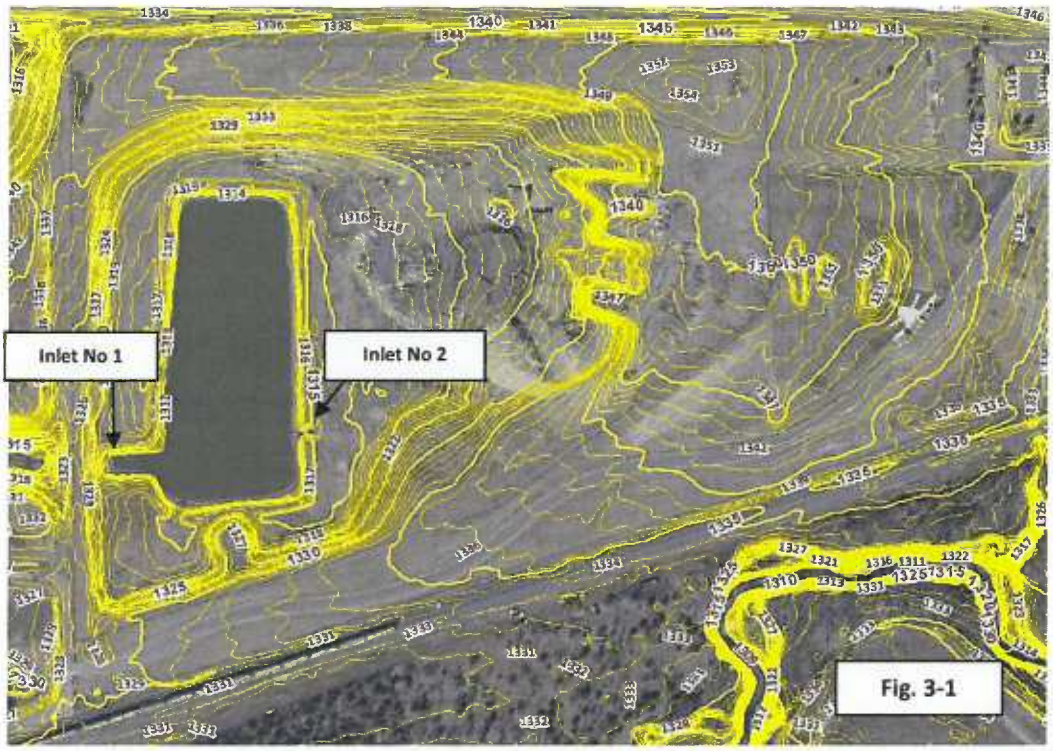
2.4 Significant Spills and Leaks

According to facility personnel there have been no spills or leaks of toxic or hazardous pollutants in reportable quantities for the previous three years (Appendix A, Worksheet #4). In Appendix G, a blank Worksheet #4 should be completed and included in Appendix E if any spills occur in the future.

3 INLET INVENTORY

Two stormwater inlets convey drainage from the Reclamation Site to the sedimentation pond.

Figure 3-1. Inlets No 1 and No 2



3.1 Non-Stormwater Discharges

The K-96 & Hillside Reclamation Site was inspected October 8, 2013, for the presence of non-stormwater discharges, (Appendix A, Worksheets #5 & #6). A visual inspection of the site revealed no non-stormwater discharges; however, the facility should be inspected periodically to verify this conclusion is valid throughout the year. It is most convenient to conduct these inspections concurrently with the routine monthly inspections of the facilities. The inspector should walk the site and trace the sources of any flows leaving the site that occur during dry weather. Non-stormwater flows may result from illicit connections to the sanitary sewer system or from overland flow of process water.

3.2 Description of Potential Pollution Sources

There are 2 locations of activity, where potential contaminants could come in contact with stormwater and are shown on the site map Figure 3-2. Those areas are the rock crusher and the rock construction entrance. There are occasional piles of crushed debris, street sweepings, etc., on site, if left in place for over 7 days, they will be covered, removed, or seeded. If post-rainfall inspections reveal sedimentation entering at Inlet 1 or Inlet 2, a BMP, such as silt fence, will be added.

Figure 3-2. Site Map

3.2.1 Fueling Area

No chemicals or petroleum products will be stored on-site. All fueling of equipment will be completed by mobile fueling vehicles that are equipped with spill control and clean up materials and staffed by trained spill control personnel.

3.3 Existing Stormwater Sampling Data

There is no known storm event sampling data for this site.

4 POLLUTION PREVENTION MEASURES AND CONTROLS (BMPs)

The following section identifies BMPs that will be implemented as part of this SWPPP (Appendix A, Worksheet #8).

4.1 Good Housekeeping

The most elementary, yet one of the most effective, of all BMPs is the practice of good housekeeping. For the K-96 & Hillside Reclamation Site, this consists of the following:

(1) Debris exposed to stormwater should be collected and removed from the site.
(2) Work area cleanup should follow any task, no matter how small.

The site Maintenance Coordinator has casually conducted site inspections at this site, but these inspections have not been documented. That documentation will commence with completion of this document. Good housekeeping will be stressed to the employees during their annual employee training.

4.2 Spill Prevention and Response Procedures

If spills occur, having proper procedures in place can prevent a spill from becoming a potentially large environmental problem. There has not been a spill of any significant amount of material in the past three years. Despite this excellent performance, spill prevention and response procedures must be followed in the event that a spill occurs in the future. Worksheet #4 in Appendix E can be used to record the date and time of any future spills.

4.3 Inspections

Inspections involve visually checking the potential sites of pollution on a periodic basis to confirm that good housekeeping procedures are being followed. The inspection will occur monthly by the site Maintenance Coordinator. Inspections will also occur, and be documented, within 24 hours of a ½" or greater rain event. To comply with KDHE Stormwater Pollution Prevention Plan guidelines, a monthly record of the inspections should be kept for a period of three years in Appendix B, and a set of follow-up procedures should be in place so that corrective actions can occur if needed (A blank inspection form is included at the end of Appendix G).

4.4 Employee Training

All K-96 & Hillside Reclamation Site employees that are responsible for stormwater pollution prevention at the facility will receive training, and this training will be thoroughly documented. Training will address the following subjects:

(1) Familiarization with all BMPs in place and ensuring that employees understand the requirements and contents of the SWPPP.
(2) Proper handling of all materials used or commonly encountered at the facility.

Employee training will be conducted initially when the SWPPP is presented to the facility. Annual refresher and new hire training will be conducted by the SWPPP Pollution Prevention Team. Worksheet #10 included in Appendix D can be used to document training.

4.5 Erosion Control Measures

For sites that are largely unpaved without adequate ground cover, soil erosion can transport large quantities of suspended sediment into the downstream waterways. However, during the site visit, it was not apparent that soil erosion is a significant problem at the K-96 & Hillside Reclamation Site. The relatively small areas without vegetation and the mild slopes keep erosion from becoming a significant problem. However, future Comprehensive

Site Compliance Evaluations by the Pollution Prevention Team should include looking for signs of erosion and assess the need for implementation of erosion-control BMPs.

4.6 Record Keeping and Internal Reporting Procedures

Accurate and thorough records of all activities are essential to maintaining the SWPPP and stormwater quality. Records of the monthly inspections (Appendix B), the Comprehensive Site Compliance Evaluation Reports (Appendix C), employee training records (Appendix D), and any future spills or leaks that occur (Appendix E) will be kept on site with the SWPPP. These records will be readily available for review by regulatory agencies.

5 MONITORING, REPORTING, AND RECORD KEEPING REQUIREMENTS

5.1 Sampling Requirements

At this time, KDHE is not requiring that quantitative chemical analysis be conducted on the stormwater leaving the site; however, periodically during wet weather events, stormwater should be visually inspected for the presence of pollutants. It is recommended that the visual inspection of the stormwater be conducted periodically during the spring when wet weather events are typically frequent. Each of the two stormwater inlets identified in Section 3 should be observed. The inspection should indicate whether an oil sheen, foam, suspended solids, or floating solids are present and the color and clarity of the stormwater.

5.2 Comprehensive Site Compliance Evaluation and Report

A Comprehensive Site Compliance Evaluation inspection should be conducted on an annual basis to determine whether site conditions have changed, whether the SWPPP needs to be revised, and whether the SWPPP procedures are effective. The SWPPP should be modified if any deficiencies are identified based on the evaluation or additional BMPs could be implemented. If a BMP is identified that will be implemented, Worksheet #9 (a blank form is included in Appendix G) should be utilized and included with the Comprehensive Site Compliance Evaluation Report. Examples of changes that would result in a revision are, re-grading of the existing site, any additional material added to the site that could contribute to stormwater pollution, or a request for chemical analysis of stormwater by KDHE. The inspection should target the two stormwater inlets. In addition, the inspection should look for signs of erosion around the site.

It is recommended that the K-96 & Hillside Reclamation Site develop a report format for this inspection or utilize Worksheet #11 in Appendix C. The report should contain the following information: the cleanliness of the areas, a visual inspection of the stormwater inlets, confirming that non-stormwater discharges are not present, and if there were any changes to the site map. These changes should be identified and the site map updated. The report must be included in Appendix C within two weeks of the Comprehensive Site Compliance Evaluation inspection.

If the report identifies additional measures that should be taken to reduce stormwater pollution, the measures must be implemented within 12 weeks, and the update recorded on Worksheet #12 (a blank form is included in Appendix G). The updated worksheet should be included with the Comprehensive Site Compliance Evaluation Report.

6 REFERENCES

USEPA, Stormwater Management for Industrial Activities – Developing Pollution Prevention Plans and Best Management Practices, 1992

KDHE, Stormwater Pollution Prevention Plan Requirements and Guidelines, Appendix F, no date.

Worksheet #1 POLLUTION PREVENTION TEAM MEMBER ROSTER	Facility name: K-96 & Hillside Reclamation Site Completed by: Jim Hardesty Title: Stormwater Specialist Date: Novemebr 1, 2013

Leader: Aaron Henning

Title: Maintenance Engineer

Office Phone: 316-268-4087

Responsibilities:

1) Signatory authourity; 2) Coordinate employee training program; 3) Ensure that all SWPPP requirements are performed

Members:

(1) Don Cradduck

Title: Street Maintenance Supervisor

Office Phone: 316-268-4091

Responsibilities:

1) Conduct annual site evaluations; 2) Perform employee training; 3) Conduct monthly site inspections

(2) Mark Wilson

Title: Maintenance Coordinator

Office Phone: 316-838-9670

Responsibilities:

Supporting role for the above requirements.

(3) _____

Title: _____

Office Phone: _____

Responsibilities:

(4) _____

Title: _____

Office Phone: _____

Responsibilities:

Worksheet #2 DEVELOPING A SITE MAP	Facility name: K-96 & Hillside Reclamation Site Completed by: Jim Hardesty Title: Stormwater Specialist Date: November 1, 2013

Instructions: Draw a map of your site including a footprint of all buildings, structures, paved areas, and parking lots. The information below describes additional elements required by EPA's General Permit.

EPA's General Permit requires the following features on the site map:

- All outfalls and storm water discharges
- Drainage areas of each storm water outfall
- Structural storm water pollution control measures, such as:
  - Flow diversion structures
  - Retention/detention ponds
  - Vegetative swales
  - Sediment traps
- Name of receiving waters (or if through a Municipal Separate Storm Sewer System)
- Locations of exposed significant materials
- Locations of past spills and leaks
- Locations of high-risk, waste-generating areas and activities common on industrial sites such as:
  - Fueling stations
  - Vehicle/equipment washing and maintenance areas
  - Area for unloading/loading materials
  - Above-ground tanks for liquid storage
  - Industrial waste management areas (landfills, waste piles, treatment plants, disposal areas)
  - Outside storage areas for raw materials, by-products, and finished products
  - Outside manufacturing areas
  - Other areas of concern (specify: _____)

Parcel Boundaries

City Limits

Site

1000' Radius

WICHITA-SEDGWICK COUNTY

W-SC

Metropolitan Area Planning Department

100 0 100 200 300 400 Feet

Printed 9/19/2001

Software: ARCINFO 7.2 (ETH-DRN)
ArcView GIS Ver. 3.2
Hardware: DEC ALPHA 2100A
Plotter: HP 2500CP

Map Data Source:

Rivers/streams provided by City of Wichita GIS and Sedgwick County GIS

City limit boundaries provided by Sedgwick County GIS

Property parcel/block data provided by Sedgwick County GIS

It is understood that while the City of Wichita Data Center Geographical Information Systems Department has 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 exclusive.

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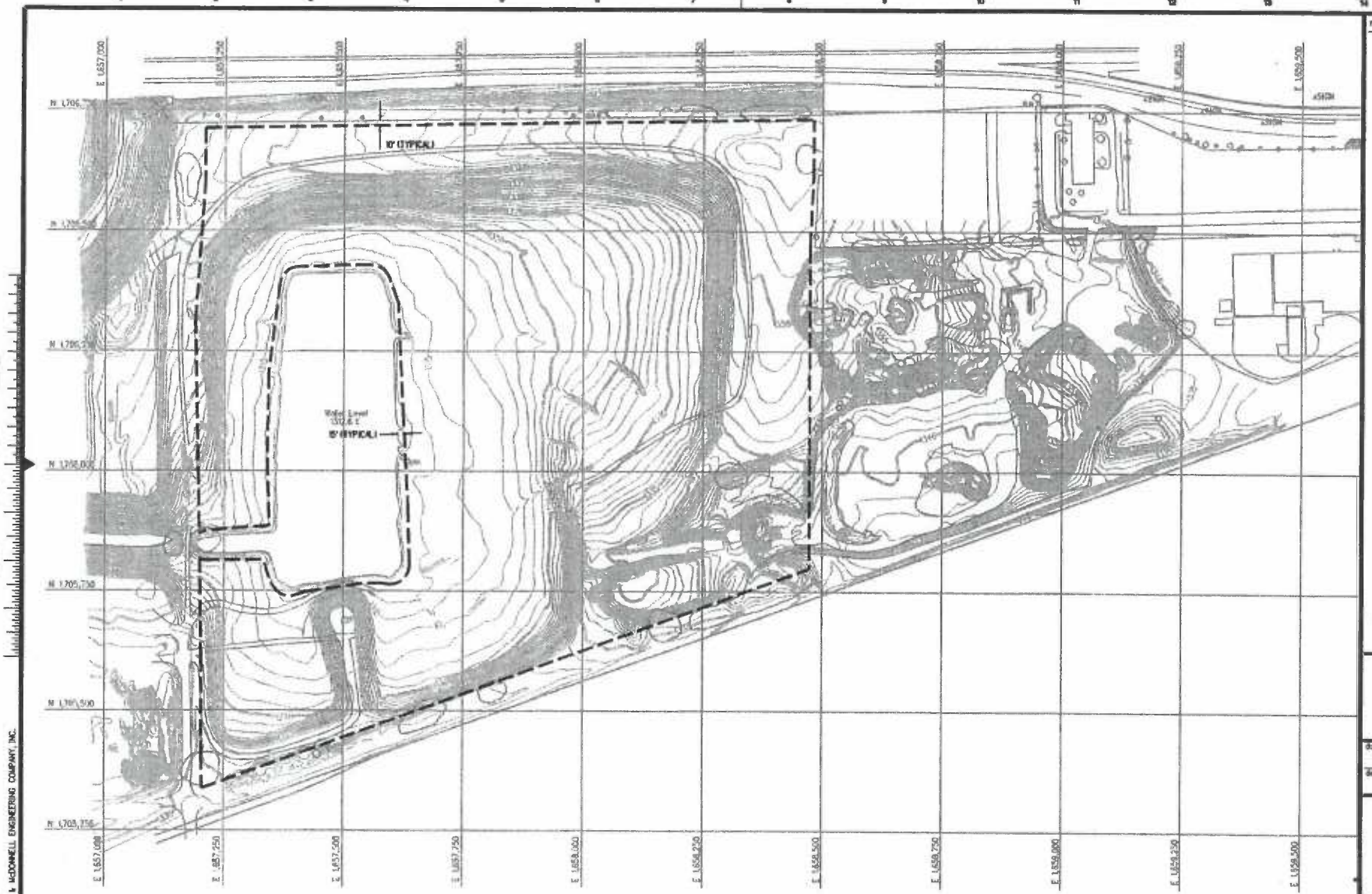
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SCALE IN FEET
Burns & McDonnell
date
MARCH 2002
designed
T. BROWN
detailed
checked
CITY OF WICHI
K-96 AND HILLSIDE
RECLAMATION
FIGURE 1
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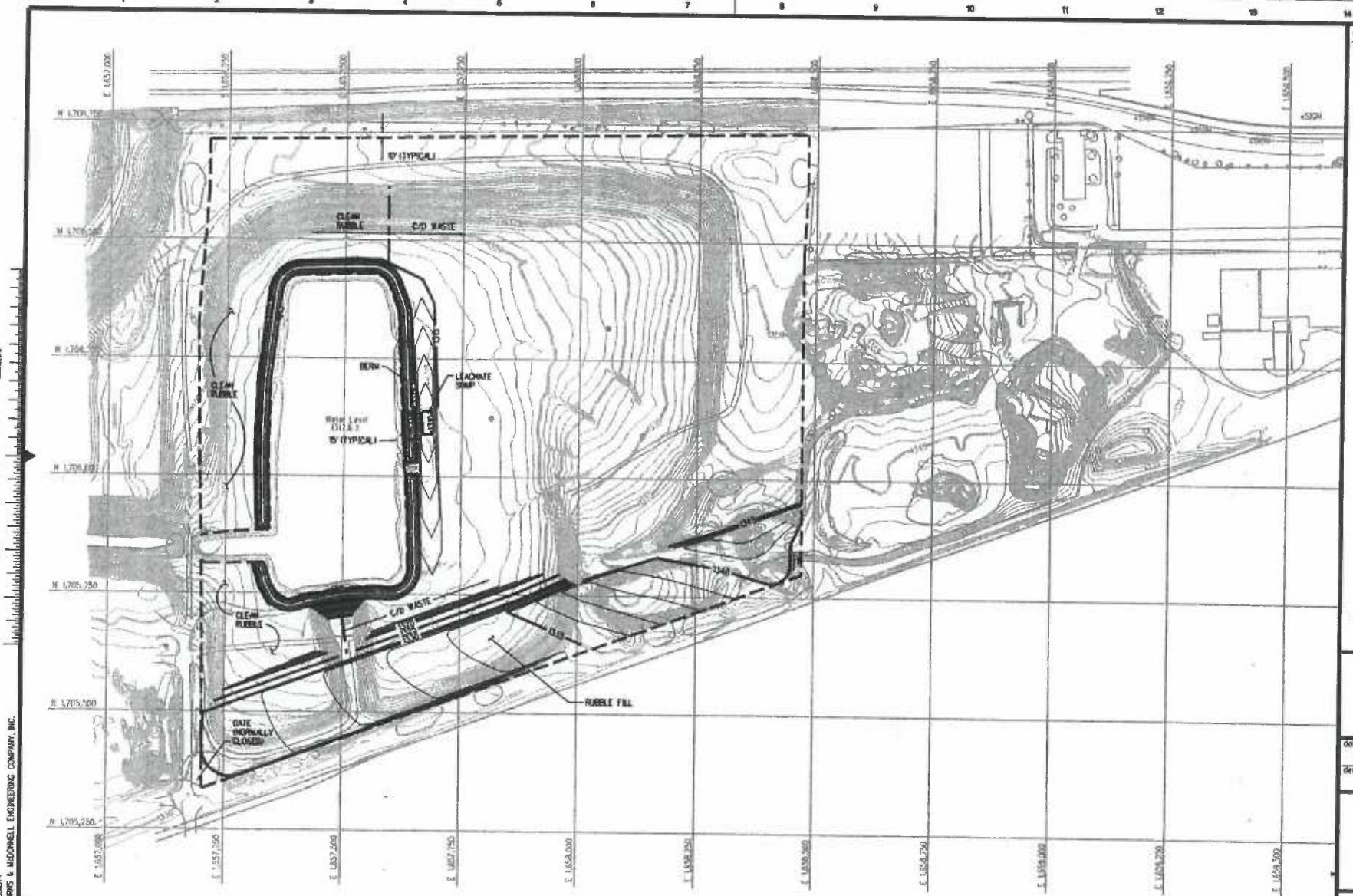

LEGEND

BOUNDARY OF POTENTIAL FILL

NOTE:

1. MAXIMUM SLOPES IN AREAS WILL BE 3:1 or

NORTH

SCALE IN FEET

Burns & McDonnell

date	detailed
MARCH 2002	M.
designed	checked
T. BROWN	

CITY OF WICHITA
K-96 AND HILLSIDE
RECLAMATION

FIGURE 2
INITIAL DEVELOPMENT

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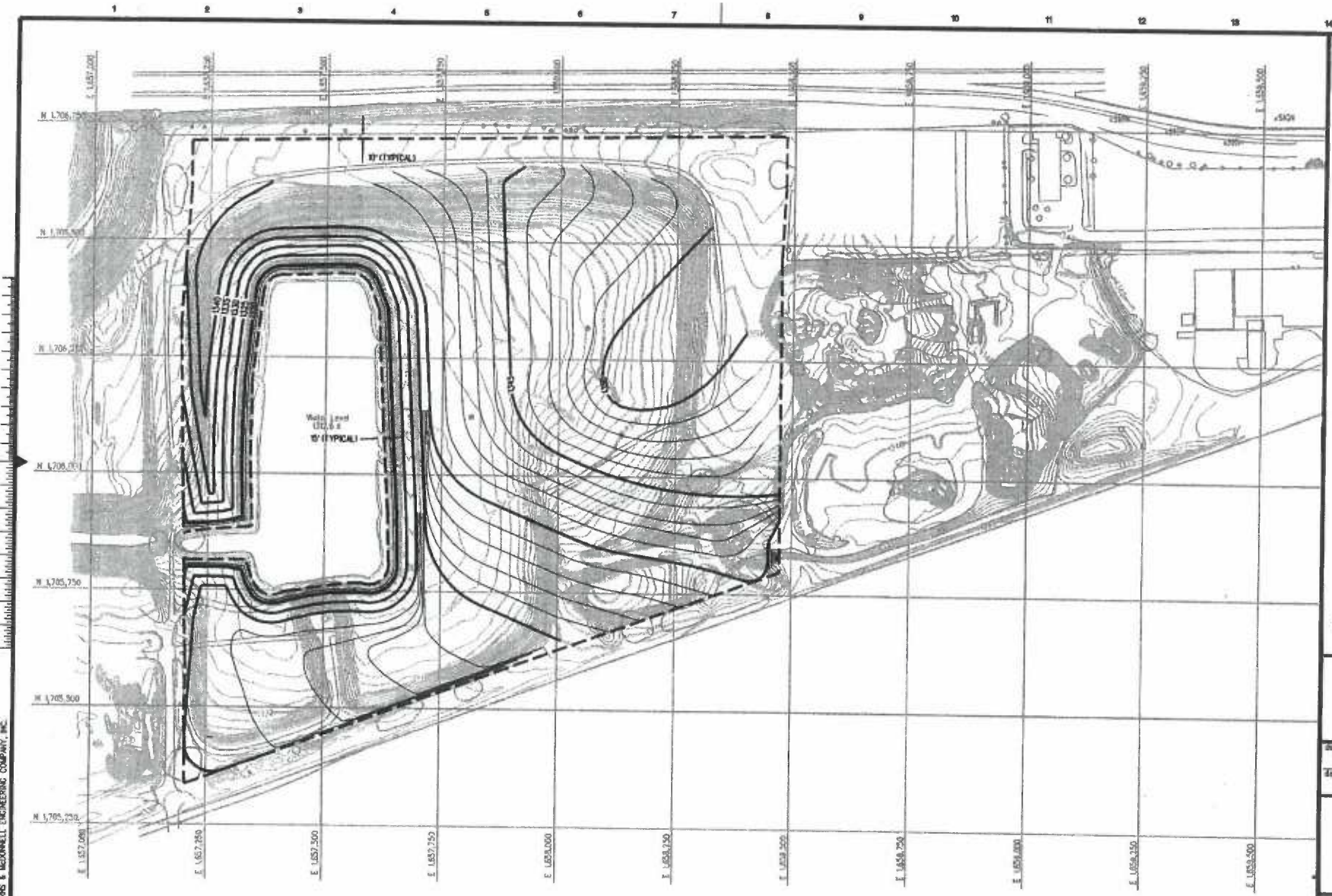
COPYRIGHT © 2002 BY BURNS & MCDONNELL ENGINEERING COMPANY, INC.



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NOTE:

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Burns & McDonnell

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designed	checked
T. BROWN	RJ

CITY OF WICHI
K-96 AND HILLSIDE
RECLAMATION

FIGURE 8
FINAL DEVELOPMENT

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29525	

drawing C3

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COPYRIGHT © 2002 BY BURNS & McDONNELL ENGINEERING COMPANY, INC.

Worksheet #3

MATERIAL INVENTORY

Facility name: K-96 & Hillside Reclamation Site
Completed by: Jim Hardesty
Title: Stormwater Specialist
Date: November 1, 2013

Instructions: List all materials used, stored, or produced onsite. Assess and evaluate these materials for their potential to contribute pollutants to storm water runoff. Also complete Worksheet 3A if the material has been exposed during the last 3 years.

Material	Purpose/Location	Quantity (gallons)			Quantity Exposed in Last 3 Years	Likelihood of contact with storm water. If yes, describe reason.	Past Significant Spill or Leak	
		Used	Produced	Stored			Yes	No
Asphalt millings				Approx. 1250 cu ft	Varies	Yes, but caught in sedimentation pond		X
Dirt spoils				Approx . 700 cu. ft	Varies	Yes, but caught in sedimentation pond		X
Rock				Approx. 980 cu ft	Varies	Yes, but caught in sedimentation pond		X

Worksheet #4

LIST OF SIGNIFICANT SPILLS AND LEAKS

Facility name: K-96 & Hillside Reclamation Site
Completed by: Jim Hardesty
Title: Stormwater Specialist
Date: November 1, 2013

Directions: Record below all significant spills and significant leaks of toxic or hazardous pollutants that have occurred at the facility in the three years prior to the effective date of the permit.

Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

1st Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	
None										

2nd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

3rd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

Worksheet #5 NON-STORM WATER DISCHARGE ASSESSMENT AND CERTIFICATION	Facility name: K-96 & Hillside Reclamation Site Completed by: Jim Hardesty Title: Stormwater Specialist Date: November 1, 2013

Date of Test or Evaluation	Outfall Directly Observed During the Test (identify as indicated on the site map)	Method Used to Test or Evaluate Discharge	Describe Results from Test for the Presence of Non-Storm Water Discharge	Identify Potential Significant Sources	Name of Person Who Conducted the Test or Evaluation
10/8/13	Sedimentation Pond Inlet 1	Visual	No discharge observed		Jim Hardesty
10/8/13	Sedimentation Pond Inlet 2	Visual	No discharge observed		Jim Hardesty

CERTIFICATION

I, (responsible corporate official), certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #6

NON-STORM WATER DISCHARGE ASSESSMENT AND FAILURE TO CERTIFY NOTIFICATION

Facility name: K-96 & Hillside Reclamation Site
Completed by: Jim Hardesty
Title: Stormwater Specialist
Date: November 1, 2013

Directions: If you cannot feasibly test or evaluate an outfall, fill in the table below with the appropriate information and sign this form to certify the accuracy of the included information.

List all outfalls not tested or evaluated, describe any potential sources of non-storm water pollution from listed outfalls, and state the reason(s) why certification is not possible. Use the key from your site map to identify each outfall.

Important Notice: A copy of this notification must be signed and submitted to the Director within 180 days of the effective date of this permit.

Identify Outfall Not Tested/Evaluated	Description of Why Certification Is Infeasible	Description of Potential Sources of Non-Storm Water Pollution
All sedimentation pond inlets evaluated		

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations, and that such notification has been made to the Director within 180 days of (date permit was issued), the effective date of this permit.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #7	Facility:	K-96 & Hillside Reclamation Site
	Completed By:	Jim Hardesty
Pollutant Source Identification	Title:	Stormwater Specialist
	Date:	November 1, 2013

Instructions: List all identified stormwater pollutant sources and describe existing management practices that address those sources. In the third column, list Best Management Practice (BMP) options that can be incorporated into the plan to address remaining sources of pollutants.

Storm Water Pollutant Sources	Existing Management Practices	Description of New BMP Options
1 Mobile Fueling Vehicles	Absorbent materials and trained personnel on board	None required
2 There is potential contamination from crushed debris, street sweeping piles, etc.,	Grass waterway and sedimentation pond	If left exposed for 7 days or more, or if evidence of sedimentation is seen at the sedimentation pond inlets, additional BMPs will be utilized.
3 Potential for wind erosion		If seen, dust control watering will occur.
4		

Worksheet #8	Facility:	K-96 & Hillside Reclamation Site
	Completed By:	Jim Hardesty
BMP Identification	Title:	Stormwater Specialist
	Date:	November 1, 2013 (pg 1)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Good Housekeeping	1) Debris should be collected and removed from the site 2) Work area cleanup should follow any task, no matter how small
Inspections	1) Monthly visual inspection of Potential Pollution sources and Stormwater Inlets. Additional inspections within 24 hours of 1/2" or greater rain events.
Employee Training	1) Familiarization with all BMPs in place and ensuring that employees understan the requirements and contents of the SWPPP 2) Proper handling of all materials used or commonly encountered at the facility. 3) Must be conducted annually

Worksheet #8	Facility:	K-96 & Hillside Reclamation Site
	Completed By:	Jim Hardesty
BMP Identification	Title:	Stormwater Specialist
	Date:	November 1, 2013 (page 2)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Record Keeping and Internal Reporting Procedures	1) Keep records of revisions to the SWPPP, inspection reports, employee training records, and any spills or leaks that occur onsite.
Rock Construction Entrance	Inspection and maintenance of rock construction entrance to insure proper function

Worksheet #9	Facility: _____
BMP Implementation	Completed By: _____
	Title: _____
	Date: _____

Instructions: Develop a schedule for implementing each BMP. Provide a description of each BMP, the steps necessary to implement the BMP, (i.e., any construction or design), the schedule for completing those steps (list dates) and person(s) responsible for implementation.

BMP's	Description of Action(s) Required for Implementation	Scheduled Completion Date(s)	Person Responsible	Notes

Worksheet #10	Facility: _____
Employee Training Record	Completed By: _____ Title: _____ Date: _____

Instructions: Describe the employee training program for the facility below. The program should, at a minimum, address spill prevention and response, good housekeeping, and material management practices. Provide a schedule for the training program and list the employees who attend training sessions.

Training Topics	Brief Description of Training Program/Materials (e.g., film, newsletter course)	Schedule of Training (list dates)	Attendees

Worksheet #11	Facility: _____
Site Compliance Inspection Report	Completed By: _____ Title: _____ Date _____

Instructions: Complete the following form in order to properly assess and evaluate changes at the facility, including assessing compliance with the SWPPP. Use to certify the annual site inspection and compliance with SWPPP, or any time a violation of the SWPPP is known or suspected.

Compliance Assessment

	Observations	Compliance with SWPPP ?
1		
2		
3		
4		

Response Actions

Actions Needed	Proposed Completion Date	Actual Completion Date
1		
2		
3		
4		

Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person(s) who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment for knowing violations.

A. Name & Official Title (Type or Print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #12	Facility: _____
Plan Updates	**Completed By:** _____ **Title:** _____ **Date:** _____

Instructions: Provide information concerning proposed SWPPP modifications including: description of the change, reason for the change, date of the change, date the change was implemented, and the person making the change. The SWPPP modification should also be certified on Worksheet # 1 by the same person to ensure compliance with General Permit requirements.

Description of the Change to the SWPPP	Reason for Change	Date of Change	Date of Implementation	Change Made By

Monthly Site Inspections	**Facility:** _____ **Completed By:** _____ **Title:** _____ **Date:** _____

Instructions: Inspect the site for potential storm water pollutants. Attention should be paid to whether good housekeeping procedures are being practiced. Specifically, the potential pollutant sources should be checked for the presence of storm water pollutants and the storm water outfalls for the presence of non-storm water discharges.

Date of Inspection	Inspector	Notes

STORM WATER POLLUTION PREVENTION PLAN

NORTHEAST SUBSTATION

Prepared for

CITY OF WICHITA

March 2010

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1 INTRODUCTION

The purpose of this Storm Water Pollution Prevention Plan (SWPPP) is to prevent contamination of storm water runoff as a result of industrial activities conducted at the Northeast Substation. The City of Wichita owns and operates this facility at 2901 E. 33rd Street North in Wichita, Kansas. The goals of this SWPPP are as follows:

1. Identify potential sources of pollution that may be reasonably expected to contribute to the contamination of storm water runoff.
2. Establish Best Management Practices (BMP) that eliminate or effectively reduce the routes for contamination to enter the storm water runoff.

The United States Environmental Protection Agency (USEPA) has developed regulations to reduce the introduction of pollutants into storm water from industrial sites. These regulations have been delegated to the Kansas Department of Health and Environment (KDHE) to administer. Currently, KDHE considers an industrial facility to be in compliance if the owner has submitted a Notice of Intent (NOI) for Storm Water Discharges Associated with Industrial Activity under the General Permit and has developed a SWPPP. This SWPPP was prepared according to the requirements stated within the USEPA and the KDHE guidance documents (Appendix F).

1.1 SWPPP Pollution Prevention Team

The members of the Northeast Substation Pollution Prevention Team (Appendix A, Worksheet #1) are responsible for the day-to-day tasks related to storm water runoff pollution prevention. The members of the SWPPP Pollution Prevention Team will conduct employee training programs, ensure implementation of BMPs, complete all site inspections, and supervise the day-to-day operations at the site which negatively affect storm water quality. Collectively, the SWPPP Pollution Prevention Team is responsible for the following tasks:

- Performing scheduled inspections.
- Training facility personnel.
- Ensuring that the BMPs in the plan are being implemented.
- Maintaining records.
- Revising the SWPPP to reflect changes to the BMPs employed and to the applicable regulations.
- Preparing the Comprehensive Site Compliance Evaluation for insertion into Appendix C of this document once each year.

The following individuals are designated as the primary members of the SWPPP Pollution Prevention Team at the Northeast Substation:

Individual: Aaron Henning
Title: Assistant Maintenance Engineer
Phone: (316) 268-4087

Individual: Don Cradduck
Title: Street Maintenance Supervisor
Phone: (316) 268-4091

These individuals (or persons in their positions) must maintain and update this SWPPP. The Pollution Prevention Team must also coordinate between "front line" employees and management concerning pollution prevention issues. The Pollution Prevention Team is responsible for carrying out the requirements of the SWPPP as summarized in the following table.

Table 1-1 Requirements of the SWPPP

Activity	Frequency
1. Site Inspections	Monthly, records in Appendix B, recordkeeping requirement of 3 years
2. Comprehensive Site Compliance Evaluation	Annually
Comprehensive Site Compliance Evaluation Report	Completed within 2 weeks following Evaluation and inserted in Appendix C
Comprehensive Site Compliance Evaluation Report Implementation	Performed within 12 weeks of the Evaluation Report
3. Visual Inspection of Storm Water	Periodically during wet weather events. Results included in Comprehensive Site Compliance Evaluation Report
4. Employee Training	Annually, keep record of training in Appendix D, Employee Training
5. Spill Reporting	If spill occurs, documented in Appendix E, Significant Spills and Leaks
6. SWPPP recertification	Once every five years by a Kansas P.E., Appendix F

2 FACILITY DESCRIPTION AND STORM WATER DRAINAGE

2.1 Facility Description

The Northeast Substation is located at 2901 E. 33rd Street North in Sedgwick County, Wichita, Kansas. The main function of this site is to provide road maintenance services to the Northeast Quadrant of the City. The Standard Industrial Classification (SIC) for this facility is 4225. This plan covers activities where contaminants could possibly be introduced into the storm water runoff such as refueling and maintenance of vehicles and storage of materials. Contaminants of concern used in these activities include diesel, gasoline, motor oil, and particulate matter, such as sand, soil, and gravel. A site map is presented following Worksheet #2 in Appendix A. The important features identified on the site map include the locations of the potential stormwater pollution activities and the stormwater outfalls.

2.2 Facility Drainage

The site map is divided into four drainage areas: drainage area 1 (DA1), 0.9 ac; drainage area 2 (DA2), 1.5 ac; drainage area 3 (DA3), 2.2 ac; and drainage area 4 (DA4), 2.0 ac. The SWPPP site map will be updated by the SWPPP Pollution Prevention Team whenever changes are made that would affect storm water runoff.

2.3 Inventory of Exposed Materials

Materials which could potentially come into contact with precipitation and contaminate storm water runoff have been summarized in the Material Inventory worksheet presented in Appendix A, Worksheet #3. Currently, there are not any significant quantities of materials exposed to storm water. Materials currently stored at this facility that could possibly come in contact with storm water include diesel, gasoline, salt, and sediment from roadwork materials; however, all of these materials are unlikely to come into contact with storm water as described in Worksheet #3.

If during the Comprehensive Site Compliance Evaluation (Section 5.2), it is determined that a material has been added or removed from the Northeast Substation, the Materials Inventory worksheet should be updated. New worksheets should be added to the SWPPP when a new material is introduced to the site. If the use of a material is discontinued, it should be crossed out on the worksheet, and the date its use was discontinued should be noted. The changes should be initialed by the appropriate member of the SWPPP Pollution Prevention Team.

2.4 Significant Spills and Leaks

According to facility personnel there have been no spills or leaks of toxic or hazardous pollutants in reportable quantities for three years preceding the date of the site visit, March 3, 2010 (Appendix A, Worksheet #4). In Appendix G, a blank Worksheet #4 should be completed and included in Appendix E if any spills occur in the future.

3 OUTFALL INVENTORY

Four storm water outfalls convey drainage from the site at the Northeast Substation. Outfall 1 is a curb on the northwest corner of site, which discharges into a roadside ditch along 33rd Street, which then flows into a creek west of the facility. Runoff from this area reaches Outfall 1 by overland flow across paved and grassed-surfaces before leaving the site.

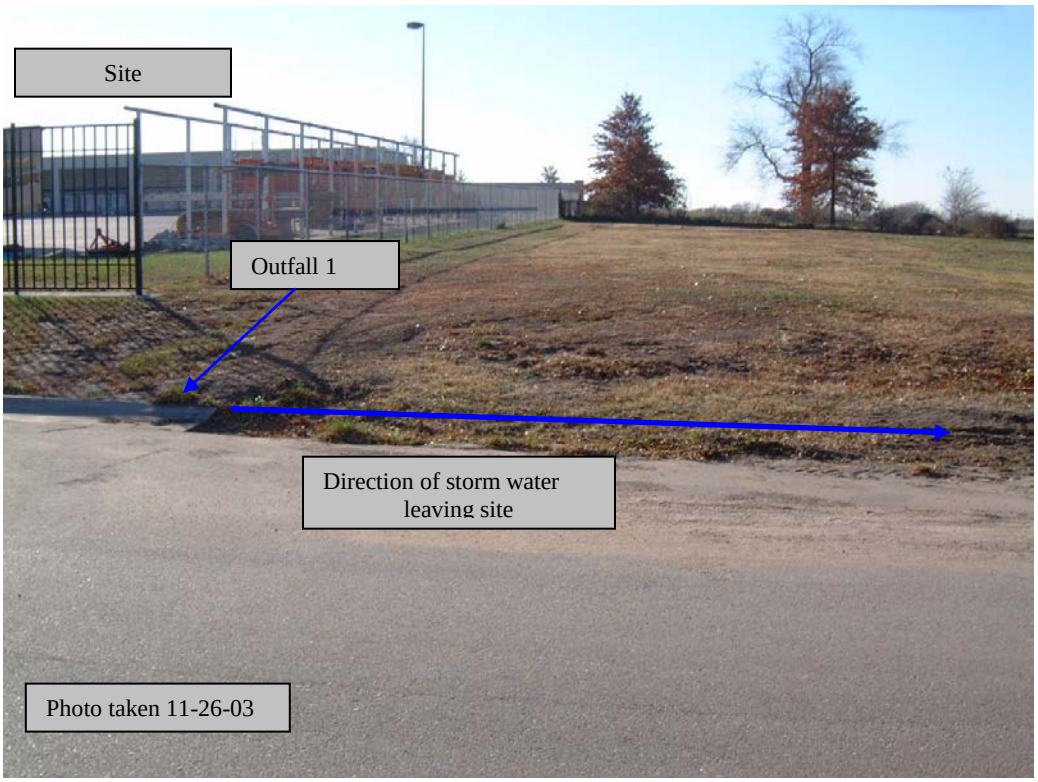


Figure 3-1. Outfall 1

Outfall 2, which is an inlet covered by sheet metal just south of the vehicle fueling area, receives storm water by overland flow from the paved areas north of it. The outfall discharges into a ditch beside SR-96, which then flows to the west into the same creek as Outfall 1. It receives storm water from the Public Works fueling area and the roadwork material area.

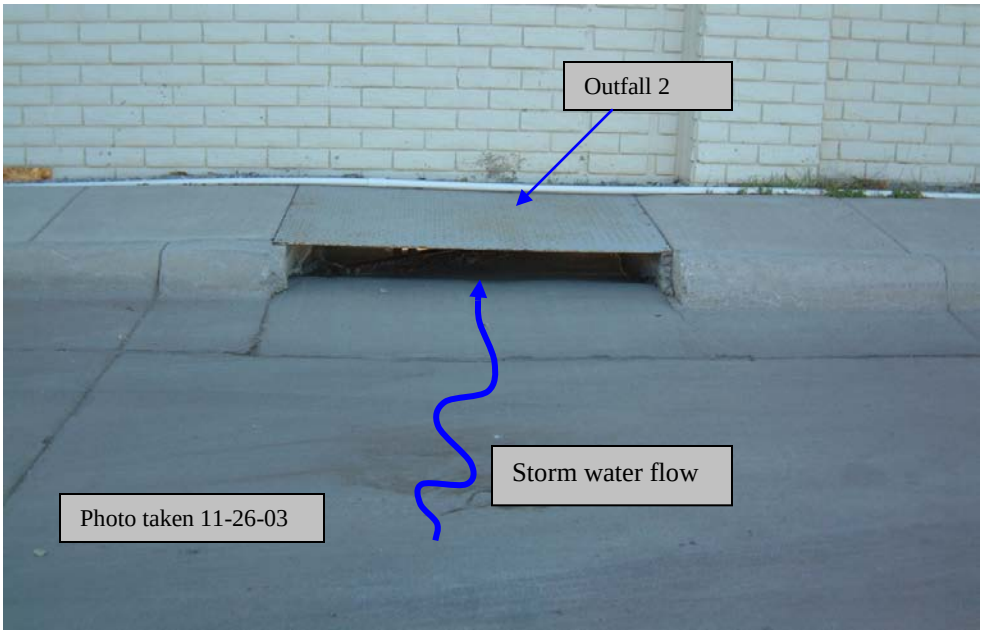


Figure 3-2. Outfall 2 - North of perimeter wall

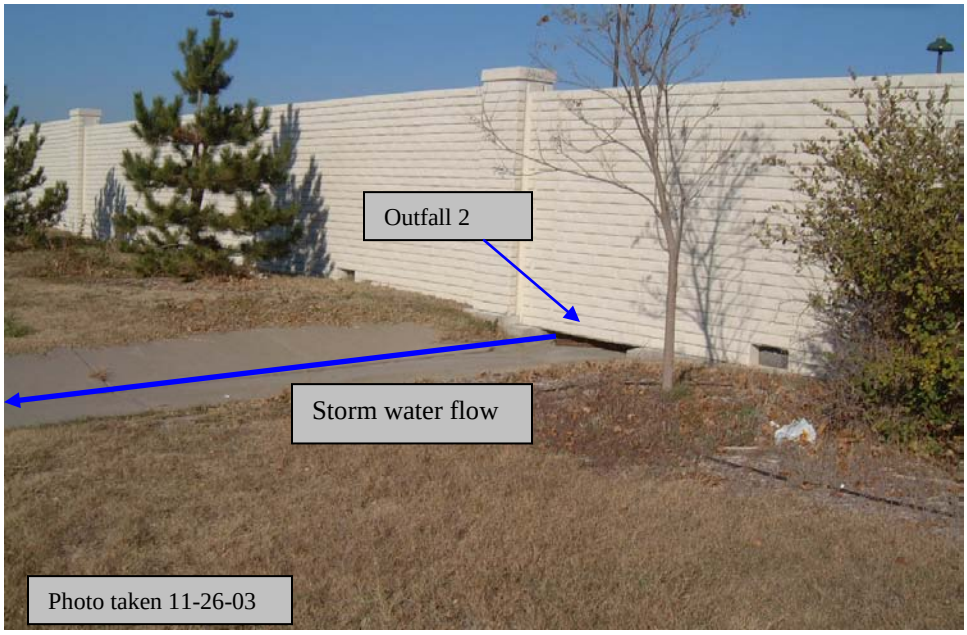


Figure 3-3. Outfall 2 - South of the perimeter wall

Outfall 3, which receives storm water by overland flow from the paved areas north of it, is an inlet covered by sheet metal east of the administration building. The outfall discharges into the same ditch beside SR-96 as Outfall 2.

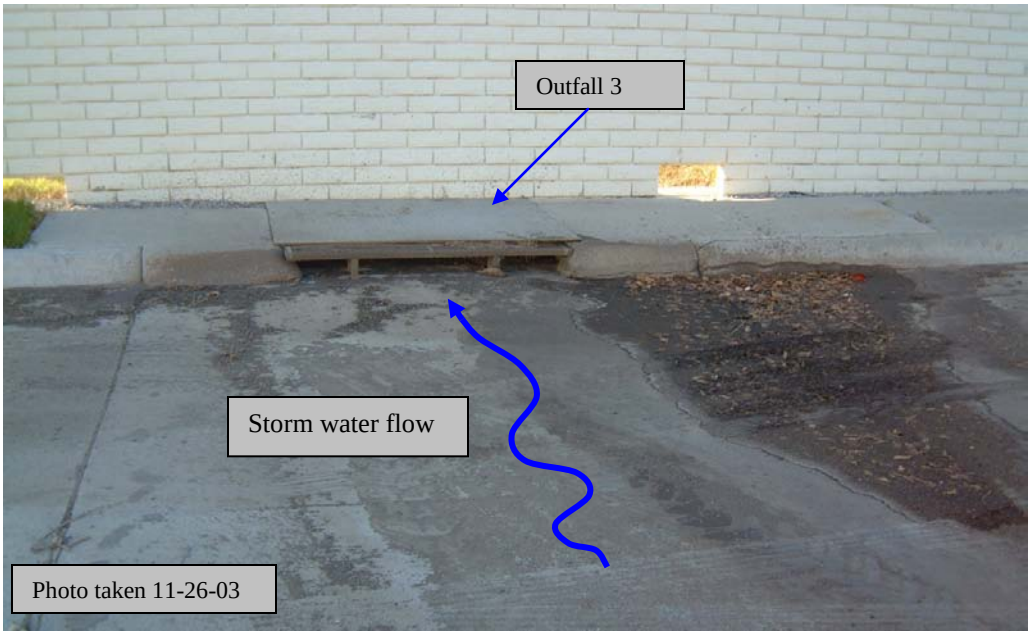


Figure 3-4. Outfall 3 - North of wall

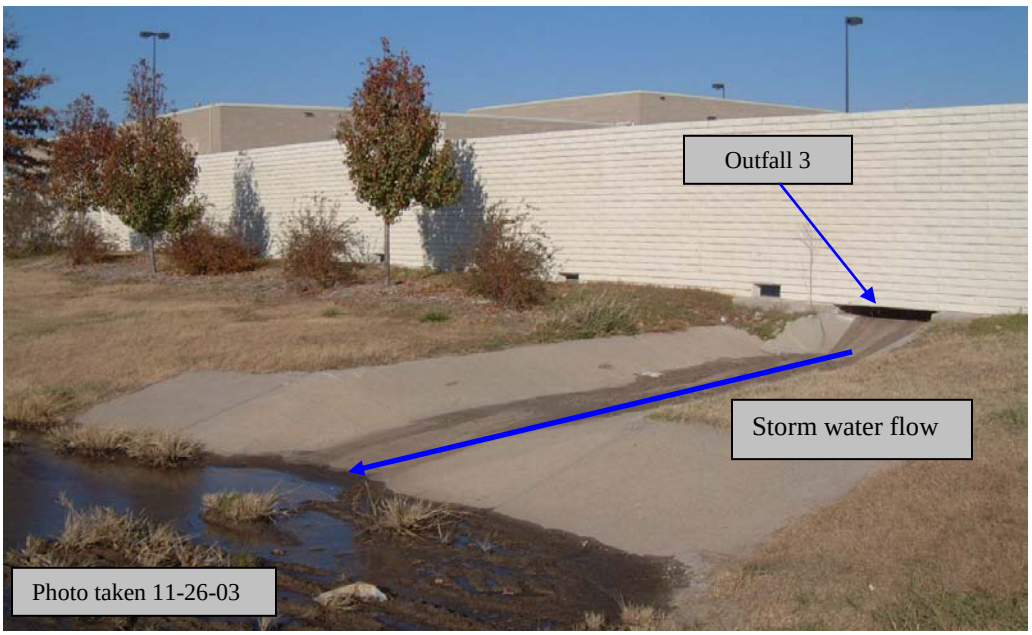


Figure 3-5. Outfall 3 – South of wall

Outfall 4 is an area inlet located at the far southeast corner of the site that receives storm water by overland flow from the paved areas to the north and west of it. The outfall discharges into a ditch beside SR-96, which then flows to the east into a pipe under SR-96.

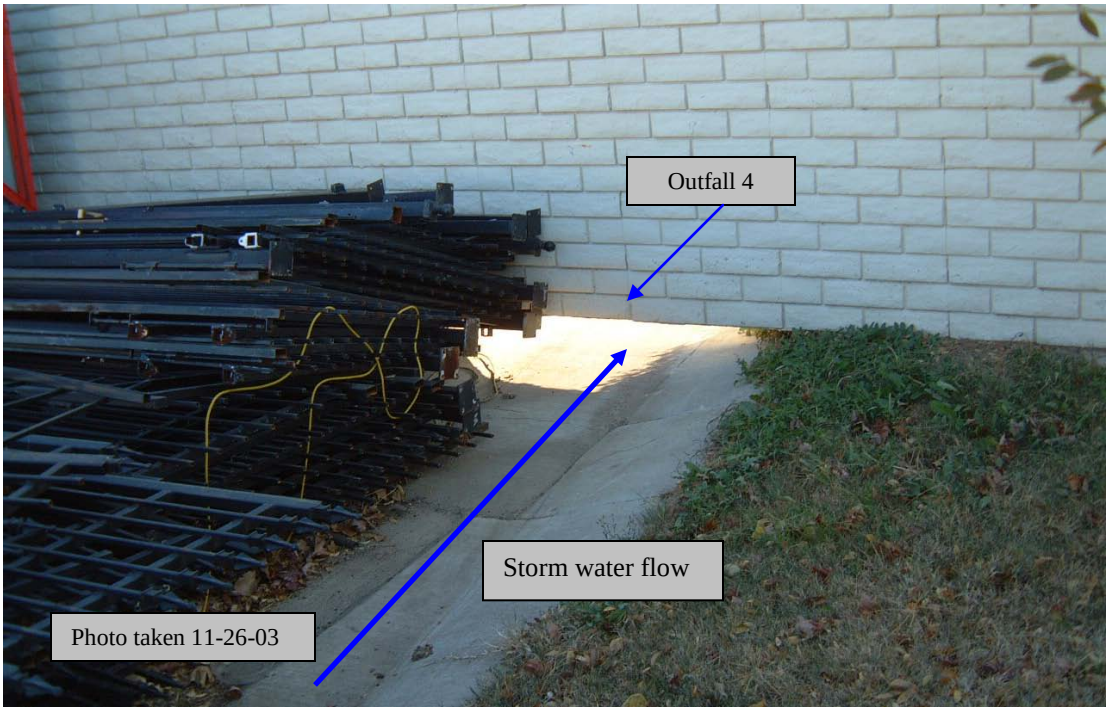


Figure 3-6. Outfall 4 – West of wall

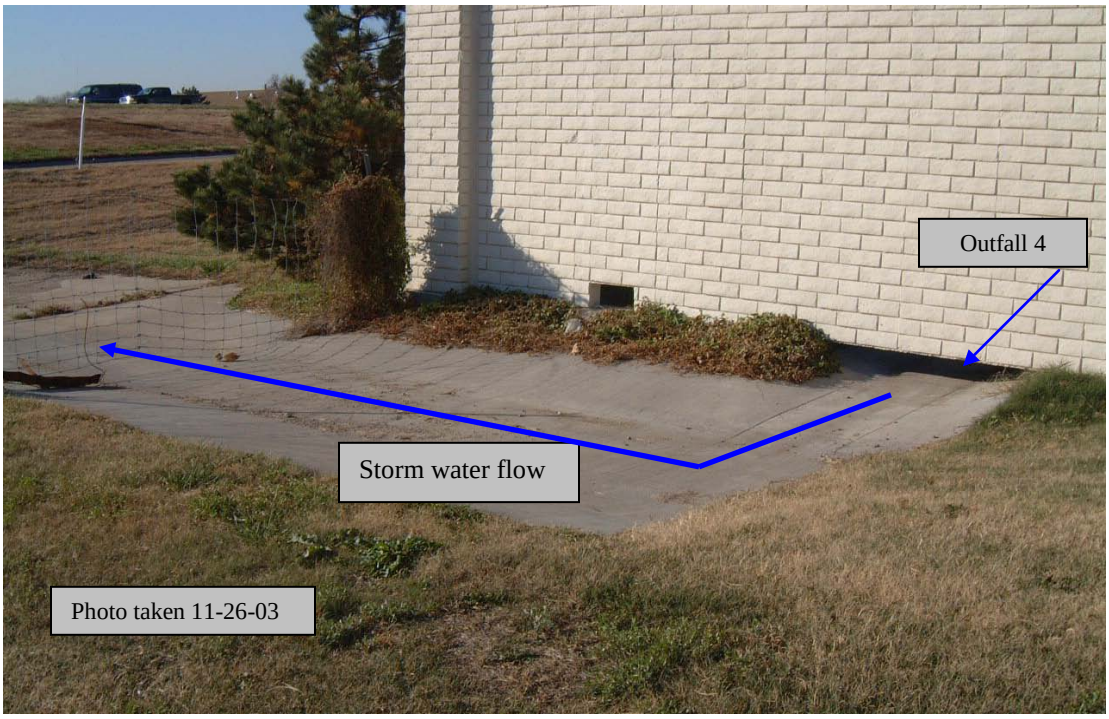


Figure 3-7. Outfall 4 – East of wall

3.1 Non-Storm Water Discharges

The Northeast Substation site was inspected for the presence of non-storm water discharges on March 3, 2010 (Appendix A, Worksheets #5 & #6). A visual inspection of the site's storm water outfalls revealed no non-storm water discharges for that particular day; however, the facility should be inspected periodically to verify this conclusion is valid throughout the year. It is most convenient to conduct these inspections concurrently with the routine monthly inspections of the facilities.

The inspector should walk the site and trace the sources of any flows leaving the site that occur during dry weather. Non-storm water flows may result from illicit connections to the sanitary sewer system or from overland flow of process water. All storm sewer outfalls should be checked for the presence of non-storm water flows.

3.2 Description of Potential Pollution Sources

The locations of three activities where potential contaminants could come in contact with storm water are identified on the site map. They are (1) the Public Works Fueling Area, (2) the Public Works Roadwork Material, and (3) Water and Park Department Fueling Area (Appendix A, Worksheet #7).

3.2.1 Public Works Fueling Area

This area is located in the south central end of the facility. The fuel pumps in this area are used to supply diesel, gasoline, and propane fuel to public works vehicles and equipment. The pumps are not covered so any residual fuel spilled from the pump could possibly be discharged with the storm water; however, the quantity of fuel is likely to be small. At this time, the Northeast Substation has an absorbent material onsite that is used if there are visible oil marks on the concrete or if gasoline is spilled from the fuel pumps. After use, the absorbing material is removed and disposed. If in the future additional BMPs are required, the following options could be evaluated: covered the fueling areas or installing drip pans below the fueling areas. Below is a photograph of the fuel pumps.

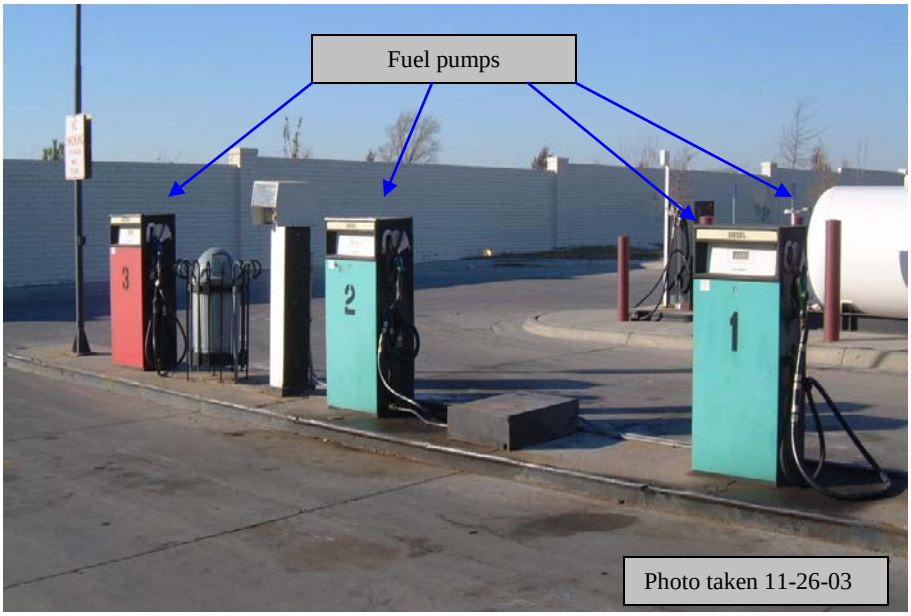


Figure 3-8. Public Works Fueling Area

3.2.2 Roadwork Materials Area

This area is located in the north central section of the site. It consists of a storage area for the roadwork materials that the Public Works department uses to perform road repairs. These materials consist of sand, soil, and gravel. Since the materials are covered, it is unlikely that significant quantities of these materials would come in contact with storm water runoff.

Figure 3-9. Roadwork Material Area

3.2.3 Water and Parks Department Fueling Area

This area is located south of the Water and Parks Department truck storage area, approximately 150 feet west of Outfall 4. The fuel pump in this area is used to supply gasoline to public works vehicles and equipment. The pumps are not covered so any residual fuel spilled from the pump could possibly be discharged with the storm water; however, the quantity of fuel is likely to be small. At this time, the Northeast Substation has an absorbent material onsite that is used if there are visible oil marks on the concrete or if gasoline is spilled from the fuel pump. After use, the absorbing material is removed and disposed. If in the future additional BMPs are required, the following options could be evaluated: covered the fueling areas or installing drip pans below the fueling areas. Below is a photograph of the tank.

Figure 3-10. Water and Parks Department Fueling Area

3.2.4 Salt Dome

The Salt Dome is located west of the Roadwork Materials Area. The salt dome is used to store salt for road application during periods of snow and ice. Since the dome covers the salt, it is unlikely that this material could come into contact with storm water. Below is a photograph of the dome.

Figure 3-11. Salt Dome

3.3 Existing Storm Water Sampling Data

According to the SWPPP Pollution Prevention Team, storm water monitoring has not been conducted at the Northeast Substation. It is not anticipated that KDHE will require monitoring of storm water in the future.

4 POLLUTION PREVENTION MEASURES AND CONTROLS (BMPs)

The following section identifies BMPs that will be implemented as part of this SWPPP (Appendix A, Worksheet #8).

4.1 Good Housekeeping

The most elementary, yet one of the most effective, of all BMPs is the practice of good housekeeping. For the Northeast Substation, this consists of the following:

(1) Debris exposed to stormwater should be collected and removed from the site.
(2) Work area cleanup should follow any task, no matter how small.

Currently, the lead site maintenance worker conducts weekly site inspections to ensure good housekeeping at the site. Good housekeeping will be stressed to the employees during their annual employee training. Particular attention should be paid to the areas around fuel dispensing stations and the roadwork materials storage area.

4.2 Spill Prevention and Response Procedures

Spills of diesel fuel, motor oil, or any of the other material could contribute pollutants to storm water discharges. If such an event occurs, having proper procedures in place can prevent a spill from becoming a potentially large environmental problem. Currently, the Northeast Substation does not have any Spill Prevention and Response Procedures in place; however, during the site inspection on March 3, 2010 the general manager of the site indicated that there had not been a spill of any significant amount of material in the past three years. Despite this excellent performance, spill prevention and response procedures should be developed for an event that may occur in the future. Worksheet #4 in Appendix F can be used to record the date and time of any future spills.

4.3 Inspections

Inspections involve visually checking the potential sites of pollution on a periodic basis to confirm that good housekeeping procedures on being followed. The inspection currently occurs weekly by the lead site maintenance worker; however, it is not currently documented. To comply with KDHE Storm water Pollution Prevention Plan guidelines, a monthly record of the inspections should be kept for a period of three years in Appendix B, and a set of follow-up procedures should be in place so that corrective actions can occur if needed (A blank inspection form is included at the end of Appendix G).

4.4 Employee Training

All Northeast Substation employees that are responsible for storm water pollution prevention at the facility will receive training, and this training will be thoroughly documented. Training will address the following subjects:

(1) Familiarization with all BMPs in place and ensuring that employees understand the requirements and contents of the SWPPP.
(2) Proper handling of all materials used or commonly encountered at the facility.

Employee training will be conducted initially when the SWPPP is presented to the facility. Annual refresher and new hire training will be conducted by the SWPPP Pollution Prevention Team. Worksheet #10 included in Appendix D can be used to document training.

4.5 Erosion Control Measures

For sites that are largely unpaved without adequate ground cover, soil erosion can transport large quantities of suspended sediment into the downstream waterways. However, during the site visit, it was not apparent that soil erosion is a significant problem at the Northeast Substation. The relatively small unpaved areas and the mild slopes keep erosion from becoming a significant problem. However, future Comprehensive Site Compliance Evaluations by the Pollution Prevention Team should include looking for signs of erosion and assess the need for implementation of erosion-control BMPs.

4.6 Record Keeping and Internal Reporting Procedures

Accurate and thorough records of all activities are essential to maintaining the SWPPP and storm water quality. Records of the monthly inspections (Appendix B), the Comprehensive Site Compliance Evaluation Reports (Appendix C), employee training records (Appendix D), and any future spills or leaks that occur (Appendix E) will be kept on site with the SWPPP. These records will be readily available for review by regulatory agencies.

5 MONITORING, REPORTING, AND RECORD KEEPING REQUIREMENTS

5.1 Sampling Requirements

At this time, KDHE is not requiring that quantative chemical analysis be conducted on the storm water leaving the site; however, periodically during wet weather events, storm water should be visually inspected for the presence of pollutants. It is recommended that the visual inspection of the storm water be conducted periodically during the spring when wet weather events are typically frequent. Each of the four storm water outfalls identified in Section 3 should be observed. The inspection should indicate whether an oil sheen, foam, suspended solids, or floating solids are present and the color and clarity of the storm water. The results of the visual inspection of the storm water will be included in the Comprehensive Site Compliance Evaluation Report (Appendix C).

5.2 Comprehensive Site Compliance Evaluation and Report

A Comprehensive Site Compliance Evaluation inspection should be conducted on an annual basis to determine whether site conditions have changed, whether the SWPPP needs to be revised, and whether the SWPPP procedures are effective. The SWPPP should be modified if any deficiencies are identified based on the evaluation or additional BMPs could be implemented. If a BMP is identified that will be implemented, Worksheet #9 (a blank form is included in Appendix G) should be utilized and included with the Comprehensive Site Compliance Evaluation Report. Examples of changes that would result in a revision are regrading of the existing site, an additional material added to the site that could contribute to storm water pollution, or a request for chemical analysis of storm water by KDHE.

The inspection should target the four storm water outfalls and the areas that could potentially contribute to storm water pollution; the road work materials area, the public works fueling area, the water / park department fueling area, and the salt dome (identified on the Site Map, Appendix A). In addition, the inspection should look for signs of erosion around the site.

It is recommended that the Northeast Substation develop a report format for this inspection or utilize Worksheet #11 in Appendix C. The report should contain the following information: the cleanliness of the areas, a visual inspection of the storm water outfalls, confirming that non-storm water discharges are not present, the documented visual analysis of the storm water runoff from each of the outfalls, and if there were any

changes to site map. These changes should be identified and the site map updated. The report must be included in Appendix C within two weeks of the Comprehensive Site Compliance Evaluation inspection. If the report identifies additional measures that should be taken to reduce storm water pollution, the measures must be implemented within 12 weeks, and the update recorded on Worksheet #12 (a blank form is included in Appendix G). The updated worksheet should be included with the Comprehensive Site Compliance Evaluation Report.

6 REFERENCES

USEPA, Storm Water Management for Industrial Activities – Developing Pollution Prevention Plans and Best Management Practices, 1992.

KDHE, Storm Water Pollution Prevention Plan Requirements and Guidelines, Attachment A, no date.

STORM WATER POLLUTION PREVENTION PLAN

Northeast Substation

Prepared by

CITY OF WICHITA

March 2010

Worksheet #1 POLLUTION PREVENTION TEAM MEMBER ROSTER	Facility name: Northeast Substation Completed by: Jim Hardesty Title: Stormwater Specialist Date: 03/04/10

Leader: Aaron Henning

Title: Assistant Maintenance Engineer

Office Phone: 316-268-4087

Responsibilities:

1) Signatory authourity; 2) Coordinate employee training program; 3) Ensure that all SWPPP requirements are performed

Members:

(1) Don Cradduck

Title: Road Maintenance Supervisor

Office Phone: 316-268-4091

Responsibilities:

1) Conduct annual site evaluations; 2) Perform employee training; 3) Conduct weekly site inspections

(2) _____

Title: _____

Office Phone: _____

Responsibilities:

(3) _____

Title: _____

Office Phone: _____

Responsibilities:

(4) _____

Title: _____

Office Phone: _____

Responsibilities:

Worksheet #2 DEVELOPING A SITE MAP	Facility name: Northeast Substation Completed by: Jim Hardesty Title: Stormwater Specialist Date: 03/04/10

Instructions: Draw a map of your site including a footprint of all buildings, structures, paved areas, and parking lots. The information below describes additional elements required by EPA's General Permit.

EPA's General Permit requires the following features on the site map:

- All outfalls and storm water discharges
- Drainage areas of each storm water outfall
- Structural storm water pollution control measures, such as:
  - Flow diversion structures
  - Retention/detention ponds
  - Vegetative swales
  - Sediment traps
- Name of receiving waters (or if through a Municipal Separate Storm Sewer System)
- Locations of exposed significant materials
- Locations of past spills and leaks
- Locations of high-risk, waste-generating areas and activities common on industrial sites such as:
  - Fueling stations
  - Vehicle/equipment washing and maintenance areas
  - Area for unloading/loading materials
  - Above-ground tanks for liquid storage
  - Industrial waste management areas (landfills, waste piles, treatment plants, disposal areas)
  - Outside storage areas for raw materials, by-products, and finished products
  - Outside manufacturing areas
  - Other areas of concern (specify: _____)

Worksheet #3 MATERIAL INVENTORY	Facility name: Northeast Substation Completed by: Jim Hardesty Title: Stormwater Specialist Date: 03/04/10

Instructions: List all materials used, stored, or produced onsite. Assess and evaluate these materials for their potential to contribute pollutants to storm water runoff. Also complete Worksheet 3A if the material has been exposed during the last 3 years.

Material	Purpose/Location	Quantity (gallons)			Quantity Exposed in Last 3 Years	Likelihood of contact with storm water. If yes, describe reason.	Past Significant Spill or Leak	
		Used	Produced	Stored			Yes	No
Soil, sand, gravel	Roadwork Material / Public Roadwork Material	varies			None	Not likely, material covered by shelter		No
Unleaded Gasoline	Fuel / Public Works & Water and Park Fueling Areas	varies		2000	Small amount of spillage	Not likely, fuel is stored in underground storage tank.		No
Diesel	Fuel / Public Works Fueling Area	varies		10,000	Small amount of spillage	Not likely, fuel is stored in underground storage tank.		No
Road Salt	Road deicing / Road	varies			None	Not likely, material is covered		No
	Salt Dome							
Waste Oil	Oil from vehicles / Waste Oil UST	varies			None	Not likely, material is stored in underground storage tank.		No

Worksheet #4

LIST OF SIGNIFICANT SPILLS AND LEAKS

Facility name: Northeast Substation
Completed by: Jim Hardesty
Title: Stormwater Specialist
Date: 03/04/10

Directions: Record below all significant spills and significant leaks of toxic or hazardous pollutants that have occurred at the facility in the three years prior to the effective date of the permit.

Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

1st Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	
None										

2nd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

3rd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

Worksheet #5 NON-STORM WATER DISCHARGE ASSESSMENT AND CERTIFICATION	Facility name: Northeast Substation Completed by: Jim Hardesty Title: Stormwater Specialist Date: 03/04/10

Date of Test or Evaluation	Outfall Directly Observed During the Test (identify as indicated on the site map)	Method Used to Test or Evaluate Discharge	Describe Results from Test for the Presence of Non-Storm Water Discharge	Identify Potential Significant Sources	Name of Person Who Conducted the Test or Evaluation
03/03/10	Outfall 1	Visual	No discharge observed	Water & Park Department Fueling Area	Jim Hardesty
03/03/10	Outfall 2	Visual	No discharge observed	Truck Fueling Area and Road Work Material Storage Area	Jim Hardesty
03/03/10	Outfall 3	Visual	No discharge observed		Jim Hardesty
03/03/10	Ourfall 4	Visual	No discharge observed		Jim Hardesty

CERTIFICATION

I, (responsible corporate official), certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #6 NON-STORM WATER DISCHARGE ASSESSMENT AND FAILURE TO CERTIFY NOTIFICATION	Facility name: Northeast Substation Completed by: Jim Hardesty Title: Stormwater Specialist Date: 03/04/10

Directions: If you cannot feasibly test or evaluate an outfall, fill in the table below with the appropriate information and sign this form to certify the accuracy of the included information.

List all outfalls not tested or evaluated, describe any potential sources of non-storm water pollution from listed outfalls, and state the reason(s) why certification is not possible. Use the key from your site map to identify each outfall.

Important Notice: A copy of this notification must be signed and submitted to the Director within 180 days of the effective date of this permit.

Identify Outfall Not Tested/Evaluated	Description of Why Certification Is Infeasible	Description of Potential Sources of Non-Storm Water Pollution
All outfalls evaluated		

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations, and that such notification has been made to the Director within 180 days of _____ (date permit was issued), the effective date of this permit.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #7	Facility:	Northeast Substation
	Completed By:	Jim Hardesty
	Title:	Stormwater Specialist
Pollutant Source Identification	Date:	03/04/10

Instructions: List all identified stormwater pollutant sources and describe existing management practices that address those sources. In the third column, list Best Management Practice (BMP) options that can be incorporated into the plan to address remaining sources of pollutants.

Storm Water Pollutant Sources	Existing Management Practices	Description of New BMP Options
1 Gasoline and Diesel Fuel from fueling stations	Absorbent material used for cleanup	1) Potentially covering the fueling areas 2) Potentially installing drip pans in area
2 Roadwork materials (sand, gravel, soil)	Covered storage	None required
3 Salt	Covered storage	None required
4		
5		
6		

Worksheet #8	Facility: Northeast Substation
	Completed By: Jim Hardesty
BMP Identification	Title: Stormwater Specialist
	Date: 03/04/10 pg. 2

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Record Keeping and Internal Reporting Procedures	1) Keep records of revisions to the SWPPP, inspection reports, employee training records, and any spills or leaks that occur onsite.
Covered Storage	1) The Northeast Substation has already done an excellent job of covering potential stormwater pollution contributors by covering the roadwork materials, vehicle storage, and salt storage areas. The vehicle fueling areas could be covered at a later date or drip pans installed to further eliminate potential stormwater pollution.

Worksheet #8	Facility: Northeast Substation
	Completed By: Jim Hardesty
BMP Identification	Title: Stormwater Specialist
	Date: 03/04/10 pg. 1

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Good Housekeeping	1) Debris should be collected and removed from the site 2) Work area cleanup should follow any task, no matter how small
Inspections	1) Monthly visual inspection of Potential Pollution sources and Stormwater Outfalls
Employee Training	1) Familiarization with all BMPs in place and ensuring that employees understan the requirements and contents of the SWPPP 2) Proper handling of all materials used or commonly encountered at the facility. 3) Must be conducted annually

Worksheet #9 BMP Implementation	Facility: Northeast Substation Completed By: Jim Hardesty		
BMP	**Action Required for Implementation**	**Completion Date:**	**Person Responsible:**
Sweeping of lot.	Sweeping of the lot area, as needed, to remove sand and dirt.	On going	Aaron Henning
Spill kit	Spill kit must be obtained, and deployed at the Water and Parks Dept fueling area.	5/1/2010	Aaron Henning

(fill–in areas are spaced for elite type, i.e., 12 characters/inch).

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

F SITE 5 of 9 (WSS) D

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill–in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill–in area*(s)* below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold–faced terms.**

SPECIFIC QUESTIONS	MARK 'X' YES	MARK 'X' NO	MARK 'X' FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.**? (FORM 2A)		X	
B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.**? (FORM 2B)		X	
C. Is this a facility which currently results in **discharges** to **waters of the U.S.** other than those described in A or B above? (FORM 2C)		X	
D. Is this a proposed facility *(other than those described in A or B above)* which will result in a **discharge** to **waters of the U.S.**? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of **hazardous wastes**? (FORM 3)		X	
F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X	
H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	
J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area**? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP WEST SUBSTATION

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 TAYLOR, PAUL , ASSISTANT MAINTENANCE ENGINEER	316 268 4087

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 1801 SOUTH McLEAN BOULEVARD

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 WICHITA	KS	67213

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 5801 WEST 3rd STREET

B. COUNTY NAME

SEDGWICK

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6 WICHITA	KS	67214	N/A

CONTINUED FROM THE FRONT

VII. SIC CODES (4-digit, in order of priority)

A. FIRST	B. SECOND
7 4225 (specify) GEN. PUBLIC WAREHOUSING/STORAGE	7 7538 (specify) GEN. AUTOMOTIVE REPAIR SHOPS
C. THIRD	**D. FOURTH**
7 4214 (specify) LOCAL TRUCKING WITH STORAGE	7 7699 (specify) INDUSTRIAL TRUCK REPAIR

VIII. OPERATOR INFORMATION

A. NAME: CITY OF WICHITA PUBLIC WORKS DEPARTMENT

B. Is the name listed in Item VIII-A also the owner? [X] YES [ ] NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC (other than federal or state)
O = OTHER (specify)

M (specify)

D. PHONE (area code & no.): A 316 268 4501

E. STREET OR P.O. BOX: CITY HALL,8th FLOOR, 455 N. MAIN

F. CITY OR TOWN: B WICHITA

G. STATE: KS

H. ZIP CODE: 67202

IX. INDIAN LAND

Is the facility located on Indian lands? [ ] YES [X] NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water): 9 N N/A	D. PSD (Air Emissions from Proposed Sources): 9 P N/A
B. UIC (Underground Injection of Fluids): 9 U N/A	E. OTHER (specify): 9 N/A (specify)
C. RCRA (Hazardous Wastes): 9 R N/A	E. OTHER (specify): 9 (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

See attached site narrative

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Michael E. Lindebak, P.E. City Engineer	Michael E. Lindebak	9.24.92

COMMENTS FOR OFFICIAL USE ONLY

C

☆ U.S. Government Printing Office : 1985 - 486-785/32991

Please print or type in the unshaded areas only

EPA ID Number (copy from item I of Form 1)
Site 5 of 9 (WSS)

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

Form 2F NPDES

EPA

United States Environmental Protection Agency
Washington, DC 20460

Application for Permit To Discharge Stormwater Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, and other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M. St., SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the recieving water.

A. Outfall Number (list)	B. Latitude			C. Longitude			D. Receiving Water (name)
A	37	41	02	97	24	40	Wichita-Valley Central Floodway
B	37	41	02	97	24	40	Wichita-Valley Central Floodway
C	37	40	57	97	24	38	Wichita-Valley Central Floodway
D	37	40	56	97	24	38	Wichita-Valley Central Floodway

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges desicribed in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letter, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.
None					

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction. NONE

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

Continued on Page 2

Continued from Page 1

EPA ID Number (copy from Item I of Form 1)
Site 5 of 9 (WSS)

IV. Narative Description of Pollutant Sources

A. For each outfall, provide an estimate of the are (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
	See Attached Site Narrative				

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method or treatment, storage, or disposal; past and present materials management practices employed, in the last three years, to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditions, and fertilizers are applied.

See Attached Site Narrative

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water recieves, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
A	None	4-A
B	None	4-A
C	None	4-A
D	None	4-A

V. Nonstormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharges from thes outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed
Michael E Lindebak, P.E. City Engineer		9-24-91

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

A. Visual inspection of surface water conveyance systems.
B. Visual inspection of all stormwater piping systems.
C. Examination of all existing storm sewer/site map schematics.

Date of Field Inspection: 9/13/91 By: Paul Woodruff, Wilson & Co.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

See Attached Site Narrative

Continued on Page 3

Continued from Page 2

EPA ID Number (copy from item I of Form 1)
Site 5 of 9 (WSS)

VII. Discharge Information

A, B, C, & D: See instructions before porceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Table VII–A, VII–B, and VII–C are included on separate sheets numbered VII–1 and VII–2.

E: Potential discharges not covered by analysis – Is any pollutant listed in Table 2F–2 a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ Yes (list all such pollutants below) ☒ No (go to Section IX)

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☐ Yes (list all such pollutants below) ☒ No (go to Section IX)

IX. Contract Analysis Information

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☒ Yes (list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below) ☐ No (go to Section IX)

A. Name	B. Address	C. Areas Code & Phone No.	D. Pollutants Analyzed
Wilson Laboratories (now Continental Analytical Services, as of 1/92)	525 N. 8th Street Salina, KS 67402–1820	(913) 825–7186	All Required

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons dircetly responsible for gathering the information, the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Offical Title (type or print)	B. Area Code and Phone No.
Michael E Lindebak, P.E., City Engineer	(316) 268–4501
C. Signature	D. Date Signed
Michael E Lindebak	9-24-92

EPA ID Number (copy from Item 1 of Form 1)
Site 5 of 9 (WSS) – Monitoring Location No. 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part A – You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite		
Oil and Grease	0 mg/L	N/A	0 mg/L	N/A	2	Surface Runoff
Biological Oxygen Demand (BOD5)	120 mg/L	6.0 mg/L	6.6 mg/L	3.0 mg/L	2	Surface Runoff
Chemical Oxygen Demand (COD5)	82.8 mg/L	78.0 mg/L	73.8 mg/L	39.0 mg/L	2	Surface Runoff
Total Suspended Solids (TSS)	1414 mg/L	140 mg/L	772 mg/L	70 mg/L	2	Surface Runoff
Total Kjeldahl Nitrogen	6.72 mg/L	1.96 mg/L	4.20 mg/L	0.98 mg/L	2	Surface Runoff
Nitrate plus Nitrite Nitrogen	1.0 mg/L	17.4 mg/L	0.5 mg/L	8.7 mg/L	2	Surface Runoff
Total Phosphorus	0.4 mg/L	0.2 mg/L	0.3 mg/L	0.1 mg/L	2	Surface Runoff
pH	Minimum 6.91		Maximum 7.17			

EPA ID Number (copy from Item 1 of Form 1)
Site 5 of 9 (WSS) – Monitoring Location No. 1 of 1

Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part B – List each pollutant that is limited in an effluent guildeline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
		NOT APPLICABLE				

EPA ID Number (copy from Item 1 of Form 1)
Site 5 of 9 (WSS) – Monitoring Location No. 1 of 1

Sheet 1 of 2

VII. Discharge Information (Continued from page 3 of Form 2F)

Part C – List each pollutant shown in Tables 2F–2, 2F–3, and 2F–4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite	Grab Sample Taken During First 30 Minutes	Flow–weighted Composite		
Ammonia Nitrogen (mg/L)	0	0	0	0	2	Surface Runoff
Bromide (mg/L)	0.51	0	0.26	0	2	Surface Runoff
Fluoride (mg/L)	0	0	0	0	2	Surface Runoff
Iron (mg/L)	0	0	0	0	2	Surface Runoff
Manganese (mg/L)	0	0	0	0	2	Surface Runoff
Sulfate (mg/L)	0	0	385	0	2	Surface Runoff
Specific Conductivity (umhos/cm)	2560	0	1280	0	2	Surface Runoff
Boron (mg/L)	0	0	0	0	2	Surface Runoff
Magnesium (mg/L)	0	0	0	0	2	Surface Runoff
Aluminum (mg/L)	0	0	0	0	2	Surface Runoff
Chlorides (mg/L)	601	180	395	90	2	Surface Runoff
Surfactants (mg/L)	0.48	0.22	0.29	0.11	2	Surface Runoff
Residual Chlorine (mg/L)	0	0	0	0	2	Surface Runoff
Total Potassium (mg/L)	0	0	0	0	2	Surface Runoff
Barium (ug/L)	0	0	0	0	2	Surface Runoff
Cobalt (ug/L)	0	0	0	0	2	Surface Runoff
Titanium (ug/L)	0	0	0	0	2	Surface Runoff
Arsenic (ug/L)	0	0	0	0	2	Surface Runoff
Beryllium (ug/L)	0	0	0	0	2	Surface Runoff
Cadmium (ug/L)	0	0	0	0	2	Surface Runoff

EPA ID Number (copy from Item 1 of Form 1)
Site 5 of 9 (WSS) – Monitoring Location No. 1 of 1

VII. Discharge Information

(Continued from page 3 of Form 2F)

Part C – List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant and CAS Number (if available)	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Chromium (ug/L)	0	0	0	0	2	Surface Runoff
Copper (ug/L)	0	0	0	0	2	Surface Runoff
Lead (ug/L)	13.5	0	0	0	2	Surface Runoff
Mercury (ug/L)	0	0	0	0	2	Surface Runoff
Nickel (ug/L)	0	0	0	0	2	Surface Runoff
Selenium (ug/L)	0	0	0	0	2	Surface Runoff
Gold (ug/L)	0	0	0	0	2	Surface Runoff
Thorium (ug/L)	0	0	0	0	2	Surface Runoff
Zinc (ug/L)	0	0	0	0	2	Surface Runoff
Antimony (ug/L)	0	0	0	0	2	Surface Runoff
Cyanide (mg/L)	0	0	0	0	2	Surface Runoff
Di-N-Butyl Phthalate (ug/L)	0	0	0	0	2	Surface Runoff
Pyrene (ug/L)	0	0	0	0	2	Surface Runoff
Volatile Organic Acids (ug/L)	0	0	0	0	2	Surface Runoff
Pesticides (ug/L)	0	0	0	0	2	Surface Runoff
Herbicides (ug/L)	0	0	0	0	2	Surface Runoff
Fecal Coliforms (ug/L)	0	0	0	0	2	Surface Runoff
Phenols (mg/L)	0	–	0	–	2	Surface Runoff
Methylene Chloride (ug/L)	–	0	–	0	2	Surface Runoff

EPA ID Number (copy from Item 1 of Form 1)
Site 5 of 9 (WSS) – Monitoring Location 1 of 1

Sheet 1 of 1

VII. Discharge Information (Continued from page 3 of Form 2F)

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

1. Date of Storm Event	2. Duration of Storm (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during rain event (gallons/minute or specify units)	6. Total flow from rain event (gallons or specify units)	7. Season sample was taken	8. Form of Precipitation (rainfall, snowmelt)
	(minutes)	(inches)	(hours)	(gallons/minute)	(gallons)		
10/28/91	227	0.12	720	1	50	Fall	Rainfall
11/14/91	45	0.17	351	49	80	Fall	Rainfall

9. Provide a description of the method of flow measurement or estimate.

An automated flow meter and sampling device, American Sigma Model 800SL, was used at this monitoring station. Each device setup included a flow meter with a sensor probe, sample collection bottles, a sample collection probe, a calibrated weir or orifice control section, an integral rain gauge, and a data recording and storage device. This automated setup was used to collect and composite flow-weighted samples, as well as to record instantaneous and cumulative rainfall, flow, and sampling data. The first-flush "grab" sample was taken manually by hand within the first 30 minutes of rainfall. All the above data for EPA Form 2F, VII, Part D was obtained from the automated recording device. All samples were taken, stored, and analyzed per EPA requirements.

CITY OF WICHITA, KANSAS
NPDES STORMWATER PERMIT APPLICATION
MUNICIPAL INDUSTRIAL SITE NARRATIVE DESCRIPTION

SECTION 2.05 - SITE NO. 5 OF 9

GENERAL SITE DESCRIPTION

SITE: West Substation
ADDRESS: 5801 W. 3rd Street, Wichita, KS 67214
CONTACT: Paul Taylor -or- Rick Sorell
PHONE NO: 316/268-4087

The West Substation is a facility utilized by the City's Public Works Department. The site is located between the Wichita Valley Center Flood Control Channel and Interstate 235 at 3rd Street, just off of Central and Eisenhower, on the west central side of the City. The site is generally very flat, and drains in a westerly direction, primarily in sheet flow, towards the Wichita-Valley Center Floodway.

The site is approximately 18 acres, including the new storage area added at the northwest corner of the site.

The activities at the site consist of maintenance, washing, lubrication, parking, loading, and storage of heavy public works street and construction vehicles and machinery. The site also contains storage of sand, salt, sand/salt mixtures, and roadway repair materials (asphalt, tack coating, etc.). The northwest corner of the property is a roadway materials waste storage/dumping area, and contains waste asphalt and concrete materials, as well as gravel and sand.

LOCATION OF STRUCTURES

There are four primary storm sewer system outfalls that provide drainage for a small portion of the site. The remainder of the site, the majority of the total site drainage area, is not picked up by storm sewer outfall system and drains in a sheet flow toward the Wichita-Valley Center Floodway.

On the western portions of the site, there are three grate-type inlets that drain the rear portion of the site through two storm sewer systems. There is also a storm sewer entering the site at the northeast property corner, near the intersection of Gilda and 3rd Streets. This 30-inch sewer runs just outside the northern property line along the southern edge of 3rd Street. There are four yard-type inlets along this 30-inch sewer line that drain the northern portions of the site. The northwestern disposal area drains primarily through this system, as well as a second culvert.

All of these storm sewer systems, as well as all other sheet flow, drain and outfall to the exterior drainage ditch on the outside of the Wichita-Valley Center Floodway levee. This exterior levee ditch drains to the south. There is a levee outfall culvert through the levee located approximately at the 3rd Street right-of-way, and another levee outfall culvert located approximately 1/4 mile south of the southwestern property corner. These provide drainage into the main Flood Control Channel. The locations of these levee culverts were not field verified due to inaccessibility along the levee. Personnel at the facility provided approximate location information.

LOCATION OF STORMWATER MONITORING SITES

There will be one monitoring location for this site. The location of this monitoring point is at Outfall C, which includes flow from Inlets 2 and 3. The total drainage area to this monitoring location is approximately 1.5 acres, or 8% of the total 18 acres of site area. This monitoring location picks up nearly all the area that is subject to significant materials handling, significant materials storage, and vehicle maintenance, parking, and loading/unloading areas, and thus will be a representative sampling of the stormwater runoff. This area represents the total flow to Outfall C. Other portions of the site that are unmonitored (Outfalls A, B and D) do not have significant materials storage or handling, or vehicle maintenance and storage activities that differ significantly from those within the monitored drainage area, or contain no significant materials or have any activities needing to be monitored.

DRAINAGE AREAS

Drainage areas to each of the five storm sewer inlets and to the 4 major outfalls are as follows:

SUBAREA	DRAINAGE AREA (ACRES)	OUTFALL	DRAINAGE AREA (ACRES)
1	0.7	A	2.1
2	1.2	B	2.0
3	0.3	C	1.5
4	2.0	D	0.7
5	2.1		
UNCONTROLLED	11.7	UNCONTROLLED	13.8
TOTAL	18.0	TOTAL	18.0

Site 5 of 9 - West Substation (cont.)

IMPERVIOUS AREAS

Of the 18 acres at the West Substation, approximately 3.5 acres (20%) are impervious. The amount of impervious areas for each watershed are as follows:

SUBAREA	IMPERV. D.A. (AC)	% IMPERV.	OUTFALL	IMPERV. D.A. (AC)	% IMPERV.
1	0.5	70	A	0.5	24
2	1.1	95	B	0.3	15
3	0.2	65	C	1.3	89
4	0.3	15	D	0.5	70
5	0.5	24			
UNCONTR.	0.9	50	UNCONTR.	0.9	50
TOTAL	3.5	20%	TOTAL	3.5	20%

SIGNIFICANT MATERIALS - DISPOSAL AND STORAGE

Significant materials located on-site that are exposed to stormwater include sand, salt, sand/salt mixtures, and various waste pavement materials such as concrete, asphalt, and gravel.
These materials are located at various locations on the facility, as shown on the site map.

The quantity of these materials is never constant, and is subject to daily and seasonal fluctuations; therefore, the amount of these materials cannot be quantified.

Other materials onsite include vehicle oils, fuels, lubricants, waste oils, antifreeze, hydraulic oils, and propane are all stored in monitored underground or above-ground storage tanks, or in 55-gallon drums inside enclosed buildings. All storage tanks have complete leak monitoring devices that are checked at least once per month. All interior storage areas drain to sanitary sewers with sediment traps and oil separators for spill prevention. All above-ground tanks have spill containment.

Significant materials disposed of onsite include the aforementioned waste pavement materials.

MATERIALS MANAGEMENT

Materials management practiced at the site, to minimize contact with stormwater, include the following:

- storage of most significant materials, except waste materials, in enclosed facilities.
- use of tarps, when possible, on exterior salt and sand piles.
- use of jersey-type barriers surrounding some outside material storage piles to minimize soil erosion and sediment transport in runoff.
- use of buffer strips (grass areas) between outside material storage areas and drainage ditches and swales to minimize sediment erosion and/or sediment transport.
- leak monitoring devices on all underground storage tanks.

MATERIALS HANDLING AREAS

Loading and unloading of significant materials listed above occur at the locations indicated for outside storage piles, and also at the three service buildings indicated on the site map. Lubricants, oils, fuels, and propane are all handled at their respective storage tank areas, as indicated on the site map. Other vehicle maintenance materials (degreasers, soaps, oils, etc.) are handled and stored at the main building, as well as at the three service buildings.

CHEMICAL APPLICATIONS AREAS

No chemical applications or storage, such as pesticides, herbicides, fertilizers, or soil conditioners are performed at this facility.

POLLUTANT CONTROL DEVICES

Pollutant control devices employed include the following:

- vehicle wash area sediment traps to confine sediment removed from the vehicles serviced. This material is periodically removed and disposed of properly. It is estimated that these traps remove 50% to 80% of contaminated sediment.
- leak monitoring devices on all underground storage tanks. These devices provide 50% to 80% efficiency against leaks.
- above-ground spill containment.

STORMWATER TREATMENT

There is no treatment of stormwater on this site, and all stormwater is ultimately discharged to the adjacent Wichita-Valley Center Floodway.

HISTORY OF LEAKS AND SPILLS

There have been no quantifiable leaks or spills at this site in the last three years.

LOCATION OF HAZARDOUS WASTES

There are no hazardous wastes onsite.

LOCATION OF GROUNDWATER SPRINGS/GROUNDWATER WELLS/RECEIVING WATERS

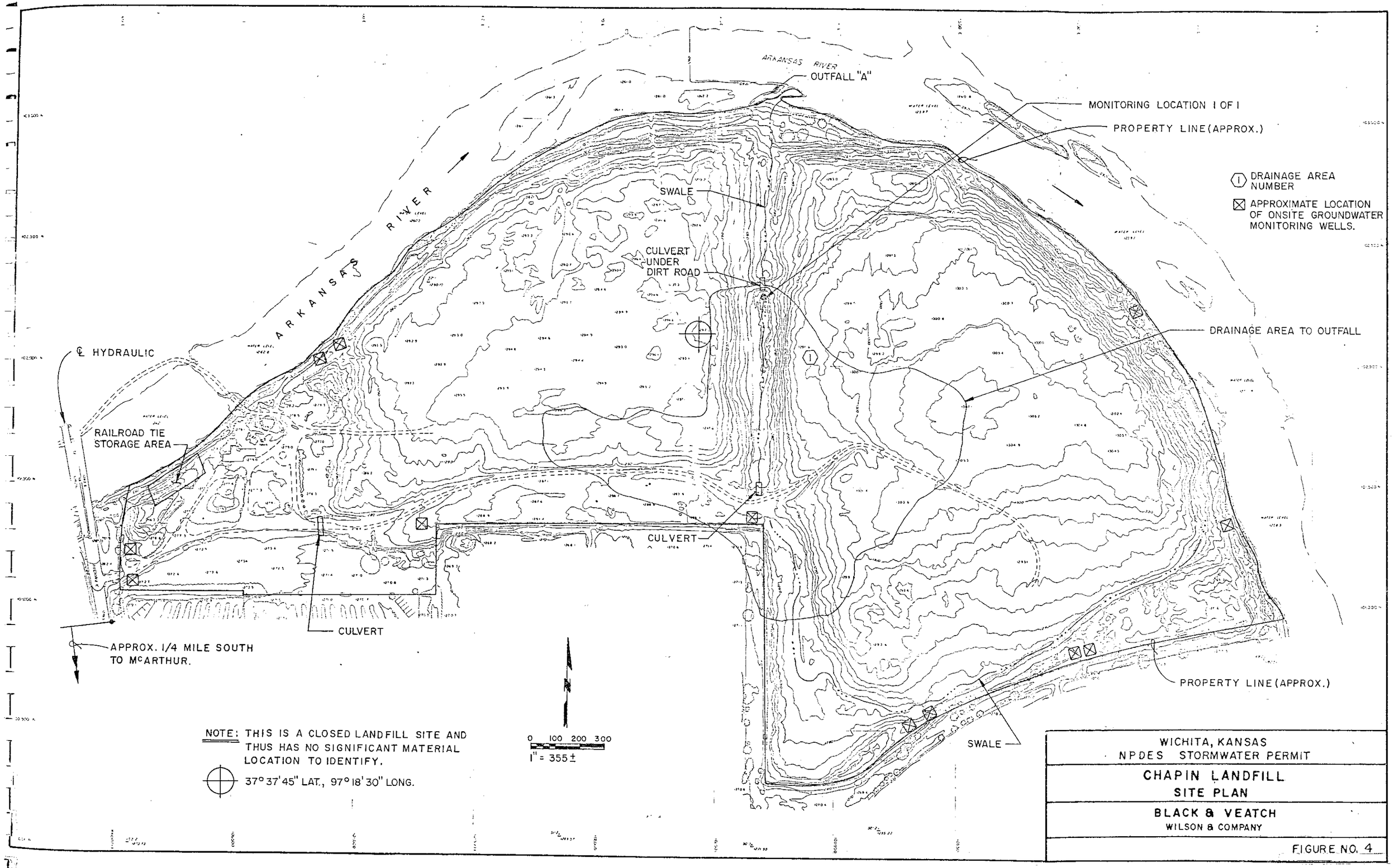
There are no groundwater springs located on this site.

There are no groundwater wells located on this site.

There are no groundwater injection wells through which fluids are injected underground on this site.

There are no groundwater monitoring wells located on this site.

The receiving waters for all stormwater runoff from this site is the Wichita-Valley Center Floodway.



NOTE: THIS IS A CLOSED LANDFILL SITE AND THUS HAS NO SIGNIFICANT MATERIAL LOCATION TO IDENTIFY.

37° 37' 45" LAT., 97° 18' 30" LONG.

WICHITA, KANSAS
NPDES STORMWATER PERMIT

CHAPIN LANDFILL
SITE PLAN

BLACK & VEATCH
WILSON & COMPANY

FIGURE NO. 4

STORM WATER POLLUTION PREVENTION PLAN

SEWAGE TREATMENT PLANT No. 1

Prepared by

CITY OF WICHITA

September 2010

Management Commitment of Resources

The City of Wichita is committed to the implementation of the procedures outlined in this SWPPP and the prevention of pollutants to navigable waters of the United States. This Plan has the full approval of management at a level of authority to commit the resources necessary to implement the SWPP Plan. A copy of this SWPP Plan shall be maintained at the facility at all times and will be made available to the EPA or State of Kansas for on-site review during normal working hours.

Authorized Management Representative Name: _____

Signature: _____

Title: _____

Date: _____

STORM WATER POLLUTION PREVENTION PLAN

SEWAGE TREATMENT Plant No. 1

Prepared by

CITY OF WICHITA

September 2010

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1 INTRODUCTION

The purpose of this Storm Water Pollution Prevention Plan (SWPPP or SWP3) is to prevent contamination of storm water runoff as a result of industrial activities conducted at the Sewage Treatment Plant No. 1. The City of Wichita owns and operates this facility at 3100 S. Grove in Wichita, Kansas. The goals of this SWPPP are as follows:

1. Identify potential sources of pollution that may be reasonably expected to contribute to the contamination of storm water runoff.
2. Establish Best Management Practices (BMP) that eliminate or effectively reduce the routes for contamination to enter the storm water runoff.

The United States Environmental Protection Agency (USEPA) has developed regulations to reduce the introduction of pollutants into storm water from industrial sites. These regulations have been delegated to the Kansas Department of Health and Environment (KDHE) to administer. Currently, KDHE considers an industrial facility to be in compliance if the owner has submitted a Notice of Intent (NOI) for Storm Water Discharges Associated with Industrial Activity under the General Permit and has developed a SWPPP. This SWP3 was prepared according to the requirements stated within the USEPA and the KDHE guidance documents (Appendix F).

1.1 SWPPP Pollution Prevention Team

The members of the Sewage Treatment Plant No. 1 Pollution Prevention Team (Appendix A, Worksheet #1) are responsible for the day-to-day tasks related to storm water runoff pollution prevention. The members of the SWP3 Pollution Prevention Team will conduct employee training programs, ensure implementation of BMPs, complete all site inspections, and supervise the day-to-day operations at the site which negatively affect storm water quality. Collectively, the SWP3 Pollution Prevention Team is responsible for the following tasks:

- Performing scheduled inspections.
- Training facility personnel.
- Ensuring that the BMPs in the plan are being implemented.
- Maintaining records.
- Revising the SWPPP to reflect changes to the BMPs employed and to the applicable regulations.
- Preparing the Comprehensive Site Compliance Evaluation for insertion into Appendix C of this document once each year.

The following individuals are designated as the primary members of the SWP3 Pollution Prevention Team at the Sewage Treatment Plant No. 1:

Individual: Jade Dundas
Title: Superintendant
Phone: (316) 303-8702

Individual: Mike Hess
Title: Maintenance Supervisor
Phone: (316) 303-8783

These individuals (or persons in their positions) must maintain and update this SWPPP. The Pollution Prevention Team must also coordinate between "front line" employees and management concerning pollution prevention issues. The Pollution Prevention Team is responsible for carrying out the requirements of the SWPPP as summarized in the following table.

Table 1-1 Requirements of the SWPPP

Activity	Frequency
1. Site Inspections	Monthly, records in Appendix B, recordkeeping requirement of 3 years
2. Comprehensive Site Compliance Evaluation	Annually
Comprehensive Site Compliance Evaluation Report	Completed within 2 weeks following Evaluation and inserted in Appendix C
Comprehensive Site Compliance Evaluation Report Implementation	Performed within 12 weeks of the Evaluation Report
3. Visual Inspection of Storm Water	Periodically during wet weather events. Results included in Comprehensive Site Compliance Evaluation Report
4. Employee Training	Annually, keep record of training in Appendix D, Employee Training
5. Spill Reporting	If spill occurs, documented in Appendix E, Significant Spills and Leaks
6. SWPPP recertification	Once every five years by a Kansas P.E., Appendix F

2 FACILITY DESCRIPTION AND STORM WATER DRAINAGE

2.1 Facility Description

The Sewage Treatment Plant No. 1 is located at 3100 S. Grove in Sedgwick County, Wichita, Kansas. This site was formerly the primary location for sewage treatment serving the Wichita metropolitan area. Currently, this is a non-discharging facility, and the main function of this site is to act as a lift station for transport of sewage to Sewage Treatment Plant No. 2. The Standard Industrial Classification (SIC) for this facility is 4952. This plan covers activities where contaminants could possibly be introduced into the storm water runoff such as refueling and maintenance of vehicles, and storage of materials. Contaminants of concern used in these activities include diesel, which is used for operation of equipment, and hypochlorite, which is used for odor reduction. A site map is presented following Worksheet #2 in Appendix A. The important features identified on the site map include the locations of the potential stormwater pollution activities and the stormwater outfall.

2.2 Facility Drainage

There are seven primary drainage structures from the site, including six outfalls to the Wichita Central Drainage Channel and one ditch outfall to the Arkansas River. As shown on the map, stormwater from the northern portions of the site drains to a ditch immediately south of Interstate I-135. Stormwater from the center of the site drains by means of a drainage swale to the Arkansas River. Stormwater from the eastern portion of the site drains east by a series of surface inlets and drain pipes to the Wichita Central Drainage Channel.

A large portion of the site does not produce rainfall runoff. Approximately 19 acres of open wastewater treatment structures exist onsite. Rain falling within these structures becomes part of the wastewater pumping operation. Therefore, for permit purposes, the effective total drainage area for this site has been reduced from approximately 58 acres to approximately 39 acres of effective site area.

The SWPPP site map will be updated by the SWPPP Pollution Prevention Team whenever changes are made that would affect storm water runoff.

2.3 Inventory of Exposed Materials

Materials which could potentially come into contact with precipitation and contaminate storm water runoff have been summarized in the Material Inventory worksheet presented

in Appendix A, Worksheet #3. Currently, there are not any significant quantities of materials exposed to storm water. Materials currently stored at this facility that could possibly come in contact with storm water include diesel, gear oil, and hypochlorite; however, these materials are unlikely to come into contact with storm water as described in Worksheet #3.

If during the Comprehensive Site Compliance Evaluation (Section 5.2), it is determined that a material has been added or removed from the Sewage Treatment Plant No. 1, the Materials Inventory worksheet should be updated. New worksheets should be added to the SWPPP when a new material is introduced to the site. If the use of a material is discontinued, it should be crossed out on the worksheet, and the date its use was discontinued should be noted. The changes should be initialed by the appropriate member of the SWPPP Pollution Prevention Team.

2.4 Significant Spills and Leaks

According to facility personnel there have been no spills or leaks of toxic or hazardous pollutants in reportable quantities for the previous three years (Appendix A, Worksheet #4). In Appendix G, a blank Worksheet #4 should be completed and included in Appendix E if any spills occur in the future.

3 OUTFALL INVENTORY

As detailed in Section 2.2, there are six outfalls to the Wichita Central Drainage Channel and one ditch outfall to the Arkansas River. A site map, Figure 3.1, is presented following Worksheet #2 in Appendix A. The important features identified on the site map include the locations of the potential stormwater pollution activities and the stormwater outfalls.

3.1 Non-Storm Water Discharges

The Sewage Treatment Plant No. 1 site was inspected for the presence of non-storm water discharges (Appendix A, Worksheets #5 & #6). A visual inspection of the site's storm water outfalls revealed no non-storm water discharges; however, the facility should be inspected periodically to verify this conclusion is valid throughout the year. It is most convenient to conduct these inspections concurrently with the routine monthly inspections of the facilities.

The inspector should walk the site and trace the sources of any flows leaving the site that occur during dry weather. Non-storm water flows may result from illicit connections to the sanitary sewer system or from overland flow of process water.

3.2 Description of Potential Pollution Sources

There are three locations of activities where potential contaminants could come in contact with storm water. They are (1) the Tank Farm, (2) and the Process Chemical Storage areas, (Appendix A, Worksheet #7).

3.2.1 Tank Farm

This area is located immediately north of the sludge drying beds, and consists of one 300 gallon and one 500 gallon AST. The fuel is used to supply diesel for maintenance activities, and is dispensed via gravity feed. The AST's are not covered and any residual fuel spilled from the tank should be immediately cleaned up. The AST's are located within concrete secondary containment. At this time, Sewage Treatment Plant No. 1 does not have absorbent material onsite to be used if there are visible oil marks on the concrete or if gasoline is spilled from the fuel tanks. After use, the absorbing material should be removed and disposed. If in the future additional BMPs are required, available options will be evaluated. Below is a photograph of the fuel tanks.

Figure 3-2. Fueling Area

3.2.2 Process Chemical Storage

There are two above ground tanks of hypochlorite, an odor reducing chemical dispensed into the sewage stream as it flows to Treatment Plant 2. Both tanks, one a 500 gallon tank, the other a 2000 gallon tank, are located within concrete containment. The smaller tank is immediately south of the administrative building, the larger tank is immediately north of the administrative building.

Below are pictures of the areas.

Figure 3-3a. 500 gallon hypochlorite tank

Figure 3-3b. 2000 gallon hypochlorite tank

3.3 Existing Storm Water Sampling Data

Sewage Treatment Plant 1 was sampled during two rain events in 1991. The results of that sampling are contained the City's original Permit application dated September 1992. It is not anticipated that KDHE will require monitoring of storm water at this site in the future.

4 POLLUTION PREVENTION MEASURES AND CONTROLS (BMPs)

The following section identifies BMPs that will be implemented as part of this SWPPP (Appendix A, Worksheet #8).

4.1 Good Housekeeping

The most elementary, yet one of the most effective, of all BMPs is the practice of good housekeeping. For the Sewage Treatment Plant No. 1, this consists of the following:

(1) Debris exposed to stormwater should be collected and removed from the site.
(2) Work area cleanup should follow any task, no matter how small.

Currently, the lead site maintenance worker conducts weekly site inspections to ensure good housekeeping at the site. Good housekeeping will be stressed to the employees during their annual employee training.

4.2 Spill Prevention and Response Procedures

Spills of diesel fuel, motor oil, or any of the other material could contribute pollutants to storm water discharges. If such an event occurs, having proper procedures in place can prevent a spill from becoming a potentially large environmental problem. There has not been a spill of any significant amount of material in the past three years. Despite this excellent performance, employees should know proper spill prevention and response procedures should an event occur in the future. Worksheet #4 in Appendix F can be used to record the date and time of any future spills.

4.3 Inspections

Inspections involve visually checking the potential sites of pollution on a periodic basis to confirm that good housekeeping procedures on being followed. The inspection currently occurs weekly by the lead site maintenance worker; however, it is not currently documented. To comply with KDHE Storm water Pollution Prevention Plan guidelines, a monthly record of the inspections should be kept for a period of three years in Appendix B, and a set of follow-up procedures should be in place so that corrective actions can occur if needed (A blank inspection form is included at the end of Appendix G).

4.4 Employee Training

All Sewage Treatment Plant No. 1 employees that are responsible for storm water pollution prevention at the facility will receive training, and this training will be thoroughly documented. Training will address the following subjects:

(1) Familiarization with all BMPs in place and ensuring that employees understand the requirements and contents of the SWPPP.
(2) Proper handling of all materials used or commonly encountered at the facility.

Employee training will be conducted initially when the SWPPP is presented to the facility. Annual refresher and new hire training will be conducted by the SWPPP Pollution Prevention Team. Worksheet #10 included in Appendix D can be used to document training.

4.5 Erosion Control Measures

For sites that are largely unpaved without adequate ground cover, soil erosion can transport large quantities of suspended sediment into the downstream waterways. However, during the site visit, it was not apparent that soil erosion is a significant problem at the Sewage Treatment Plant No. 1. The relatively small unpaved areas and the mild slopes keep erosion from becoming a significant problem. However, future Comprehensive Site Compliance Evaluations by the Pollution Prevention Team should include looking for signs of erosion and assess the need for implementation of erosion-control BMPs.

4.6 Record Keeping and Internal Reporting Procedures

Accurate and thorough records of all activities are essential to maintaining the SWPPP and storm water quality. Records of the monthly inspections (Appendix B), the Comprehensive Site Compliance Evaluation Reports (Appendix C), employee training records (Appendix D), and any future spills or leaks that occur (Appendix E) will be kept on site with the SWPPP. These records will be readily available for review by regulatory agencies.

5 MONITORING, REPORTING, AND RECORD KEEPING REQUIREMENTS

5.1 Sampling Requirements

At this time, KDHE is not requiring that quantative chemical analysis be conducted on the storm water leaving the site; however, periodically during wet weather events, storm water should be visually inspected for the presence of pollutants. It is recommended that the visual inspection of the storm water be conducted periodically during the spring when wet weather events are typically frequent. The outfalls identified in Section 3 should be observed. The inspection should indicate whether an oil sheen, foam, suspended solids, or floating solids are present and the color and clarity of the storm water. The results of the visual inspection of the storm water will be included in the Comprehensive Site Compliance Evaluation Report (Appendix C).

5.2 Comprehensive Site Compliance Evaluation and Report

A Comprehensive Site Compliance Evaluation inspection should be conducted on an annual basis to determine whether site conditions have changed, whether the SWPPP needs to be revised, and whether the SWPPP procedures are effective. The SWPPP should be modified if any deficiencies are identified based on the evaluation or additional BMPs could be implemented. If a BMP is identified that will be implemented, Worksheet #9 (a blank form is included in Appendix G) should be utilized and included with the Comprehensive Site Compliance Evaluation Report. Examples of changes that would result in a revision are re-grading of the existing site, any additional material added to the site that could contribute to storm water pollution, or a request for chemical analysis of storm water by KDHE.

The inspection should target the storm water outfall and the areas that could potentially contribute to storm water pollution; the fueling area, and the waste oil storage area. (identified on the Site Map, Appendix A). In addition, the inspection should look for signs of erosion around the site.

It is recommended that the Sewage Treatment Plant No. 1 develop a report format for this inspection or utilize Worksheet #11 in Appendix C. The report should contain the following information: the cleanliness of the areas, a visual inspection of the storm water outfall, confirming that non-storm water discharges are not present, the documented visual analysis of the storm water runoff from the outfall, and if there were any changes to site map. These changes should be identified and the site map updated. The report

must be included in Appendix C within two weeks of the Comprehensive Site Compliance Evaluation inspection. If the report identifies additional measures that should be taken to reduce storm water pollution, the measures must be implemented within 12 weeks, and the update recorded on Worksheet #12 (a blank form is included in Appendix G). The updated worksheet should be included with the Comprehensive Site Compliance Evaluation Report.

6 REFERENCES

USEPA, Storm Water Management for Industrial Activities – Developing Pollution Prevention Plans and Best Management Practices, 1992.

KDHE, Storm Water Pollution Prevention Plan Requirements and Guidelines, Attachment A, no date.

Worksheet #1 POLLUTION PREVENTION TEAM MEMBER ROSTER	Facility name: Sewage Treatment Plant 1 Completed by: Jim Hardesty Title: Storm Water Specialist Date: 09/6/10

Leader: Jade Dundas

Title: Superintendent

Office Phone: 316-303-8702

Responsibilities:

1) Signatory authourity; 2) Coordinate employee training program; 3) Ensure that all SWPPP requirements are performed

Members:

(1) Mike Hess

Title: Maintenance Supervisor

Office Phone: 316-303-8783

Responsibilities:

1) Conduct annual site evaluations; 2) Perform employee training; 3) Conduct weekly site inspections

(2) _____

Title: _____

Office Phone: _____

Responsibilities:

(3) _____

Title: _____

Office Phone: _____

Responsibilities:

(4) _____

Title: _____

Office Phone: _____

Responsibilities:

Worksheet #2 DEVELOPING A SITE MAP	Facility name: Sewage Treatment Plant #1 Completed by: Jim Hardesty Title: Date: 9/6/10

Instructions: Draw a map of your site including a footprint of all buildings, structures, paved areas, and parking lots. The information below describes additional elements required by EPA's General Permit.

EPA's General Permit requires the following features on the site map:

- All outfalls and storm water discharges
- Drainage areas of each storm water outfall
- Structural storm water pollution control measures, such as:
  - Flow diversion structures
  - Retention/detention ponds
  - Vegetative swales
  - Sediment traps
- Name of receiving waters (or if through a Municipal Separate Storm Sewer System)
- Locations of exposed significant materials
- Locations of past spills and leaks
- Locations of high-risk, waste-generating areas and activities common on industrial sites such as:
  - Fueling stations
  - Vehicle/equipment washing and maintenance areas
  - Area for unloading/loading materials
  - Above-ground tanks for liquid storage
  - Industrial waste management areas (landfills, waste piles, treatment plants, disposal areas)
  - Outside storage areas for raw materials, by-products, and finished products
  - Outside manufacturing areas
  - Other areas of concern (specify: _____)

Worksheet #3 MATERIAL INVENTORY	Facility name: Sewage Treatment Plant #1 Completed by: Jim Hardesty Title: Storm Water Specialist Date: 9/6/10

Instructions: List all materials used, stored, or produced onsite. Assess and evaluate these materials for their potential to contribute pollutants to storm water runoff. Also complete Worksheet 3A if the material has been exposed during the last 3 years.

Material	Purpose/Location	Quantity (gallons)			Quantity Exposed in Last 3 Years	Likelihood of contact with storm water. If yes, describe reason.	Past Significant Spill or Leak	
		Used	Produced	Stored			Yes	No
Diesel	Fuel/ Tank Farm	varies		500	None	Not likely, fuel is stored within secondary containment.		No
Diesel	Fuel/ Tank Farm	varies		300	None	Not likely, fuel is stored within secondary containment.		No
Hypochlorite	Odor Reduction	varies		2000	None	Not likely, chemical is stored within secondary containment.		No

Worksheet #4

LIST OF SIGNIFICANT SPILLS AND LEAKS

Facility name: Sewage Treatment Plant #1
Completed by: Jim Hardesty
Title:
Date: 9/6/10

Directions: Record below all significant spills and significant leaks of toxic or hazardous pollutants that have occurred at the facility in the three years prior to the effective date of the permit.

Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

1st Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	
None										

2nd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

3rd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

Worksheet #5 NON-STORM WATER DISCHARGE ASSESSMENT AND CERTIFICATION	Facility name: Sewage Treatment Plant #1 Completed by: Jim Hardesty Title: Date: 9/6/10

Date of Test or Evaluation	Outfall Directly Observed During the Test (identify as indicated on the site map)	Method Used to Test or Evaluate Discharge	Describe Results from Test for the Presence of Non-Storm Water Discharge	Identify Potential Significant Sources	Name of Person Who Conducted the Test or Evaluation
09/3/10	7 Outfalls observed	Visual	No discharge observed	Fuel and waste oil.	Jim Hardesty

CERTIFICATION

I, (responsible corporate official), certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #6 NON-STORM WATER DISCHARGE ASSESSMENT AND FAILURE TO CERTIFY NOTIFICATION	Facility name: Sewage Treatment Plant #1 Completed by: Jim Hardesty Title: Date: 9/6/10

Directions: If you cannot feasibly test or evaluate an outfall, fill in the table below with the appropriate information and sign this form to certify the accuracy of the included information.

List all outfalls not tested or evaluated, describe any potential sources of non-storm water pollution from listed outfalls, and state the reason(s) why certification is not possible. Use the key from your site map to identify each outfall.

Important Notice: A copy of this notification must be signed and submitted to the Director within 180 days of the effective date of this permit.

Identify Outfall Not Tested/Evaluated	Description of Why Certification Is Infeasible	Description of Potential Sources of Non-Storm Water Pollution

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations, and that such notification has been made to the Director within 180 days of _____ (date permit was issued), the effective date of this permit.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #7	Facility:	Sewag Treatment Plant 1
	Completed By:	Jim Hardesty
Pollutant Source Identification	Title:	Storm Water Specialst
	Date:	9/6/10

Instructions: List all identified stormwater pollutant sources and describe existing management practices that address those sources. In the third column, list Best Management Practice (BMP) options that can be incorporated into the plan to address remaining sources of pollutants.

Storm Water Pollutant Sources	Existing Management Practices	Description of New BMP Options
1 Diesel Fuel from fueling station	None	Spill Kit must be obtained
2		
3		
4		
5		
6		

Worksheet #8	Facility: Sewage Treatment Plant #1
	Completed By: Jim Hardesty
BMP Identification	Title:
	Date: 9/6/10 (page 1)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Good Housekeeping	1) Debris should be collected and removed from the site 2) Work area cleanup should follow any task, no matter how small
Inspections	1) Monthly visual inspection of Potential Pollution sources and Stormwater Outfall
Employee Training	1) Familiarization with all BMPs in place and ensuring that employees understan the requirements and contents of the SWPPP 2) Proper handling of all materials used or commonly encountered at the facility. 3) Must be conducted annually

Worksheet #8	Facility: Sewage Treatment Plant #1
	Completed By: Jim Hardesty
BMP Identification	Title:
	Date: 9/6/10 (page 2)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Record Keeping and Internal Reporting Procedures	1) Keep records of revisions to the SWPPP, inspection reports, employee training records, and any spills or leaks that occur onsite.
Spill kits	Plant 1 needs to obtain and deploy an adquate spill kit for the fueling area.

Worksheet #9 BMP Implementation	Facility: Treatment Plant 1 Completed By: Jim Hardesty		
BMP	**Action Required for Implementation**	**Completion Date:**	**Person Responsible:**
Spill kit for fueling station	Place spill kit at fueling pumps	11/1/2010	Mike Hess

STORM WATER POLLUTION PREVENTION PLAN

SEWAGE TREATMENT PLANT No. 2

Prepared by

CITY OF WICHITA

September 2009

Management Commitment of Resources

The City of Wichita is committed to the implementation of the procedures outlined in this SWPPP and the prevention of pollutants to navigable waters of the United States. This Plan has the full approval of management at a level of authority to commit the resources necessary to implement the SWPP Plan. A copy of this SWPP Plan shall be maintained at the facility at all times and will be made available to the EPA or State of Kansas for on-site review during normal working hours.

Authorized Management Representative Name: _____

Signature: _____

Title: _____

Date: _____

Worksheet #7	Facility:	Sewag Treatment Plant 2
	Completed By:	Jim Hardesty
	Title:	Storm Water Specialst
Pollutant Source Identification	Date:	8/26/09

Instructions: List all identified stormwater pollutant sources and describe existing management practices that address those sources. In the third column, list Best Management Practice (BMP) options that can be incorporated into the plan to address remaining sources of pollutants.

Storm Water Pollutant Sources	Existing Management Practices	Description of New BMP Options
1 Gasoline and Diesel Fuel from fueling stations	Absorbent material used for cleanup	None required
2 Roadwork materials (sand, gravel, soil)	None	Silt fencing, grass buffer strips, curbing, and/or enclosure
3 Salt	Covered storage	None required
4		
5		

STORM WATER POLLUTION PREVENTION PLAN

SEWAGE TREATMENT PLANT No. 2

Prepared by

CITY OF WICHITA

September 2009

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1 INTRODUCTION

The purpose of this Storm Water Pollution Prevention Plan (SWPPP or SWP3) is to prevent contamination of storm water runoff as a result of industrial activities conducted at the Sewage Treatment Plant No. 2. The City of Wichita owns and operates this facility at 2305 East 57th Street South in Wichita, Kansas. The goals of this SWPPP are as follows:

1. Identify potential sources of pollution that may be reasonably expected to contribute to the contamination of storm water runoff.
2. Establish Best Management Practices (BMP) that eliminate or effectively reduce the routes for contamination to enter the storm water runoff.

The United States Environmental Protection Agency (USEPA) has developed regulations to reduce the introduction of pollutants into storm water from industrial sites. These regulations have been delegated to the Kansas Department of Health and Environment (KDHE) to administer. Currently, KDHE considers an industrial facility to be in compliance if the owner has submitted a Notice of Intent (NOI) for Storm Water Discharges Associated with Industrial Activity under the General Permit and has developed a SWPPP. This SWP3 was prepared according to the requirements stated within the USEPA and the KDHE guidance documents (Appendix F).

1.1 SWPPP Pollution Prevention Team

The members of the Sewage Treatment Plant No. 2 Pollution Prevention Team (Appendix A, Worksheet #1) are responsible for the day-to-day tasks related to storm water runoff pollution prevention. The members of the SWP3 Pollution Prevention Team will conduct employee training programs, ensure implementation of BMPs, complete all site inspections, and supervise the day-to-day operations at the site which negatively affect storm water quality. Collectively, the SWP3 Pollution Prevention Team is responsible for the following tasks:

- Performing scheduled inspections.
- Training facility personnel.
- Ensuring that the BMPs in the plan are being implemented.
- Maintaining records.
- Revising the SWPPP to reflect changes to the BMPs employed and to the applicable regulations.
- Preparing the Comprehensive Site Compliance Evaluation for insertion into Appendix C of this document once each year.

The following individuals are designated as the primary members of the SWP3 Pollution Prevention Team at the Sewage Treatment Plant No. 2:

Individual: Jade Dundas
Title: Superintendant
Phone: (316) 303-8702

Individual: Mike Hess
Title: Maintenance Supervisor
Phone: (316) 303-8783

These individuals (or persons in their positions) must maintain and update this SWPPP. The Pollution Prevention Team must also coordinate between "front line" employees and management concerning pollution prevention issues. The Pollution Prevention Team is responsible for carrying out the requirements of the SWPPP as summarized in the following table.

Table 1-1 Requirements of the SWPPP

Activity	Frequency
1. Site Inspections	Monthly, records in Appendix B, recordkeeping requirement of 3 years
2. Comprehensive Site Compliance Evaluation	Annually
Comprehensive Site Compliance Evaluation Report	Completed within 2 weeks following Evaluation and inserted in Appendix C
Comprehensive Site Compliance Evaluation Report Implementation	Performed within 12 weeks of the Evaluation Report
3. Visual Inspection of Storm Water	Periodically during wet weather events. Results included in Comprehensive Site Compliance Evaluation Report
4. Employee Training	Annually, keep record of training in Appendix D, Employee Training
5. Spill Reporting	If spill occurs, documented in Appendix E, Significant Spills and Leaks
6. SWPPP recertification	Once every five years by a Kansas P.E., Appendix F

2 FACILITY DESCRIPTION AND STORM WATER DRAINAGE

2.1 Facility Description

The Sewage Treatment Plant No. 2 is located at 2305 East 57th Street South in Sedgwick County, Wichita, Kansas. The main function of this site is to provide advanced secondary wastewater treatment for the majority of metropolitan Wichita. The Standard Industrial Classification (SIC) for this facility is 4952. This plan covers activities where contaminants could possibly be introduced into the storm water runoff such as refueling and maintenance of vehicles, and storage of materials. Contaminants of concern used in these activities include diesel, gasoline, motor oil, and a variety of petroleum products for the maintenance and operation of equipment. A site map is presented following Worksheet #2 in Appendix A. The important features identified on the site map include the locations of the potential stormwater pollution activities and the stormwater outfall.

2.2 Facility Drainage

The site consists of approximately 95 acres, and is primarily sheet flow through open channels to the southeast corner of the site, where the only outfall discharges to the Arkansas River. The SWPPP site map will be updated by the SWPPP Pollution Prevention Team whenever changes are made that would affect storm water runoff.

2.3 Inventory of Exposed Materials

Materials which could potentially come into contact with precipitation and contaminate storm water runoff have been summarized in the Material Inventory worksheet presented in Appendix A, Worksheet #3. Currently, there are not any significant quantities of materials exposed to storm water. Materials currently stored at this facility that could possibly come in contact with storm water include diesel, gasoline, motor oil, and a variety of petroleum products for the maintenance and operation of equipment however, all of these materials are unlikely to come into contact with storm water as described in Worksheet #3.

If during the Comprehensive Site Compliance Evaluation (Section 5.2), it is determined that a material has been added or removed from the Sewage Treatment Plant No. 2, the Materials Inventory worksheet should be updated. New worksheets should be added to the SWPPP when a new material is introduced to the site. If the use of a material is discontinued, it should be crossed out on the worksheet, and the date its use was discontinued should be noted. The changes should be initialed by the appropriate member of the SWPPP Pollution Prevention Team.

2.4 Significant Spills and Leaks

According to facility personnel there have been no spills or leaks of toxic or hazardous pollutants in reportable quantities for the previous three years (Appendix A, Worksheet #4). In Appendix G, a blank Worksheet #4 should be completed and included in Appendix E if any spills occur in the future.

3 OUTFALL INVENTORY

One storm water outfall conveys drainage from the site at the Sewage Treatment Plant No. 2. Outfall 1 is located in the southeast corner of the site, and discharges to the Arkansas River. Runoff from the area reaches Outfall 1 by overland flow across paved and grassed-surfaces before leaving the site.

Figure 3-1. Outfall 1

3.1 Non-Storm Water Discharges

The Sewage Treatment Plant No. 2 site was inspected for the presence of non-storm water discharges (Appendix A, Worksheets #5 & #6). A visual inspection of the site's storm water outfall revealed no non-storm water discharges; however, the facility should be inspected periodically to verify this conclusion is valid throughout the year. It is most convenient to conduct these inspections concurrently with the routine monthly inspections of the facilities.

The inspector should walk the site and trace the sources of any flows leaving the site that occur during dry weather. Non-storm water flows may result from illicit connections to the sanitary sewer system or from overland flow of process water.

3.2 Description of Potential Pollution Sources

There are two locations of activities where potential contaminants could come in contact with storm water. These locations are identified on the site map. They are (1) the Tank Farm, (2) and the Waste Oil Storage, (Appendix A, Worksheet #7).

3.2.1 Tank Farm

This area is located immediately south of the Operations and Maintenance Building. The fuel pumps in this area are used to supply diesel, and gasoline from three 1,000 gallon aboveground storage tanks (AST's). The pumps and AST's are covered and any residual fuel spilled from the pump should be immediately cleaned up. The AST's are located within concrete secondary containment. At this time, the Sewage Treatment Plant No. 2 has absorbent material onsite that is used if there are visible oil marks on the concrete or if gasoline is spilled from the fuel pumps. After use, the absorbing material is removed and disposed. If in the future additional BMPs are required, available options will be evaluated. Below is a photograph of the fuel pumps.

Figure 3-2. Fueling Area

3.2.2 Waste Oil Storage

This area is located south of the Sludge Dewatering Facility and consists of two 550-gallon AST's. These tanks are located within concrete secondary containment that will contain the contents of one tank plus appropriate freeboard. The secondary containment relief valve is locked and an oil spill kit is easily accessible. Accumulated precipitation is allowed to evaporate. Detailed instructions for operation and maintenance of the Waste Oil Storage area are contained in the Plants SPCC Plan. Below is a picture of the area.

Figure 3-3. Waste Oil Storage Area

3.3 Existing Storm Water Sampling Data

Sewage Treatment Plant 2 was sampled during two rain events in 1991. The results of that sampling is contained the City's original Permit application dated September 1992. It is not anticipated that KDHE will require monitoring of storm water at this site in the future.

4 POLLUTION PREVENTION MEASURES AND CONTROLS (BMPs)

The following section identifies BMPs that will be implemented as part of this SWPPP (Appendix A, Worksheet #8).

4.1 Good Housekeeping

The most elementary, yet one of the most effective, of all BMPs is the practice of good housekeeping. For the Sewage Treatment Plant No. 2, this consists of the following:

(1) Debris exposed to stormwater should be collected and removed from the site.
(2) Work area cleanup should follow any task, no matter how small.

Currently, the lead site maintenance worker conducts weekly site inspections to ensure good housekeeping at the site. Good housekeeping will be stressed to the employees during their annual employee training. Particular attention should be paid to the areas around fuel dispensing stations and the waste oil storage area.

4.2 Spill Prevention and Response Procedures

Spills of diesel fuel, motor oil, or any of the other material could contribute pollutants to storm water discharges. If such an event occurs, having proper procedures in place can prevent a spill from becoming a potentially large environmental problem. Currently, the Sewage Treatment Plant No. 2 does have a Spill Prevention Control and Countermeasure Plan in place. There has not been a spill of any significant amount of material in the past three years. Despite this excellent performance, employees should know proper spill prevention and response procedures should an event occur in the future. Worksheet #4 in Appendix F can be used to record the date and time of any future spills.

4.3 Inspections

Inspections involve visually checking the potential sites of pollution on a periodic basis to confirm that good housekeeping procedures on being followed. The inspection currently occurs weekly by the lead site maintenance worker; however, it is not currently documented. To comply with KDHE Storm water Pollution Prevention Plan guidelines, a monthly record of the inspections should be kept for a period of three years in Appendix B, and a set of follow-up procedures should be in place so that corrective actions can occur if needed (A blank inspection form is included at the end of Appendix G).

4.4 Employee Training

All Sewage Treatment Plant No. 2 employees that are responsible for storm water pollution prevention at the facility will receive training, and this training will be thoroughly documented. Training will address the following subjects:

(1) Familiarization with all BMPs in place and ensuring that employees understand the requirements and contents of the SWPPP.
(2) Proper handling of all materials used or commonly encountered at the facility.

Employee training will be conducted initially when the SWPPP is presented to the facility. Annual refresher and new hire training will be conducted by the SWPPP Pollution Prevention Team. Worksheet #10 included in Appendix D can be used to document training.

4.5 Erosion Control Measures

For sites that are largely unpaved without adequate ground cover, soil erosion can transport large quantities of suspended sediment into the downstream waterways. However, during the site visit, it was not apparent that soil erosion is a significant problem at the Sewage Treatment Plant No. 2. The relatively small unpaved areas and the mild slopes keep erosion from becoming a significant problem. However, future Comprehensive Site Compliance Evaluations by the Pollution Prevention Team should include looking for signs of erosion and assess the need for implementation of erosion-control BMPs.

4.6 Record Keeping and Internal Reporting Procedures

Accurate and thorough records of all activities are essential to maintaining the SWPPP and storm water quality. Records of the monthly inspections (Appendix B), the Comprehensive Site Compliance Evaluation Reports (Appendix C), employee training records (Appendix D), and any future spills or leaks that occur (Appendix E) will be kept on site with the SWPPP. These records will be readily available for review by regulatory agencies.

5 MONITORING, REPORTING, AND RECORD KEEPING REQUIREMENTS

5.1 Sampling Requirements

At this time, KDHE is not requiring that quantative chemical analysis be conducted on the storm water leaving the site; however, periodically during wet weather events, storm water should be visually inspected for the presence of pollutants. It is recommended that the visual inspection of the storm water be conducted periodically during the spring when wet weather events are typically frequent. The outfall identified in Section 3 should be observed. The inspection should indicate whether an oil sheen, foam, suspended solids, or floating solids are present and the color and clarity of the storm water. The results of the visual inspection of the storm water will be included in the Comprehensive Site Compliance Evaluation Report (Appendix C).

5.2 Comprehensive Site Compliance Evaluation and Report

A Comprehensive Site Compliance Evaluation inspection should be conducted on an annual basis to determine whether site conditions have changed, whether the SWPPP needs to be revised, and whether the SWPPP procedures are effective. The SWPPP should be modified if any deficiencies are identified based on the evaluation or additional BMPs could be implemented. If a BMP is identified that will be implemented, Worksheet #9 (a blank form is included in Appendix G) should be utilized and included with the Comprehensive Site Compliance Evaluation Report. Examples of changes that would result in a revision are re-grading of the existing site, any additional material added to the site that could contribute to storm water pollution, or a request for chemical analysis of storm water by KDHE.

The inspection should target the storm water outfall and the areas that could potentially contribute to storm water pollution; the fueling area, and the waste oil storage area. (identified on the Site Map, Appendix A). In addition, the inspection should look for signs of erosion around the site.

It is recommended that the Sewage Treatment Plant No. 2 develop a report format for this inspection or utilize Worksheet #11 in Appendix C. The report should contain the following information: the cleanliness of the areas, a visual inspection of the storm water outfall, confirming that non-storm water discharges are not present, the documented visual analysis of the storm water runoff from the outfall, and if there were any changes to site map. These changes should be identified and the site map updated. The report

must be included in Appendix C within two weeks of the Comprehensive Site Compliance Evaluation inspection. If the report identifies additional measures that should be taken to reduce storm water pollution, the measures must be implemented within 12 weeks, and the update recorded on Worksheet #12 (a blank form is included in Appendix G). The updated worksheet should be included with the Comprehensive Site Compliance Evaluation Report.

6 REFERENCES

USEPA, Storm Water Management for Industrial Activities – Developing Pollution Prevention Plans and Best Management Practices, 1992.

KDHE, Storm Water Pollution Prevention Plan Requirements and Guidelines, Attachment A, no date.

Worksheet #1 POLLUTION PREVENTION TEAM MEMBER ROSTER	Facility name: Sewage Treatment Plant 2 Completed by: Jim Hardesty Title: Storm Water Specialist Date: 08/26/09

Leader: Jade Dundas

Title: Superintendent

Office Phone: 316-303-8702

Responsibilities:

1) Signatory authourity; 2) Coordinate employee training program; 3) Ensure that all SWPPP requirements are performed

Members:

(1) Mike Hess

Title: Maintenance Supervisor

Office Phone: 316-303-8783

Responsibilities:

1) Conduct annual site evaluations; 2) Perform employee training; 3) Conduct weekly site inspections

(2) _____

Title: _____

Office Phone: _____

Responsibilities:

(3) _____

Title: _____

Office Phone: _____

Responsibilities:

(4) _____

Title: _____

Office Phone: _____

Responsibilities:

Worksheet #2 DEVELOPING A SITE MAP	Facility name: Sewage Treatment Plant #2 Completed by: Jim Hardesty Title: Date: 8/26/09

Instructions: Draw a map of your site including a footprint of all buildings, structures, paved areas, and parking lots. The information below describes additional elements required by EPA's General Permit.

EPA's General Permit requires the following features on the site map:

- All outfalls and storm water discharges
- Drainage areas of each storm water outfall
- Structural storm water pollution control measures, such as:
  - Flow diversion structures
  - Retention/detention ponds
  - Vegetative swales
  - Sediment traps
- Name of receiving waters (or if through a Municipal Separate Storm Sewer System)
- Locations of exposed significant materials
- Locations of past spills and leaks
- Locations of high-risk, waste-generating areas and activities common on industrial sites such as:
  - Fueling stations
  - Vehicle/equipment washing and maintenance areas
  - Area for unloading/loading materials
  - Above-ground tanks for liquid storage
  - Industrial waste management areas (landfills, waste piles, treatment plants, disposal areas)
  - Outside storage areas for raw materials, by-products, and finished products
  - Outside manufacturing areas
  - Other areas of concern (specify: _____)

Worksheet #3 MATERIAL INVENTORY	Facility name: Sewage Treatment Plant 2 Completed by: Jim Hardesty Title: Storm Water Specialist Date: 8/26/09

Instructions: List all materials used, stored, or produced onsite. Assess and evaluate these materials for their potential to contribute pollutants to storm water runoff. Also complete Worksheet 3A if the material has been exposed during the last 3 years.

Material	Purpose/Location	Quantity (gallons)			Quantity Exposed in Last 3 Years	Likelihood of contact with storm water. If yes, describe reason.	Past Significant Spill or Leak	
		Used	Produced	Stored			Yes	No
Unleaded Gasoline	Fuel/ Tank Farm	varies		2,000	None	Not likely, material covered by shelter		No
Diesel	Fuel/ Tank Farm	varies		1000	None	Not likely, material covered by shelter		No
Waste Oil	Oil from vehicles / Waste Oil AST's	varies		1100	None	Not likely, oil is stored within secondary containment.		No

Worksheet #4

LIST OF SIGNIFICANT SPILLS AND LEAKS

Facility name: Sewage Treatment Plant #2
Completed by: Jim Hardesty
Title:
Date: 8/26/09

Directions: Record below all significant spills and significant leaks of toxic or hazardous pollutants that have occurred at the facility in the three years prior to the effective date of the permit.

Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

1st Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	
None										

2nd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

3rd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

Worksheet #5 NON-STORM WATER DISCHARGE ASSESSMENT AND CERTIFICATION	Facility name: Sewage Treatment Plant #2 Completed by: Jim Hardesty Title: Date: 8/26/09

Date of Test or Evaluation	Outfall Directly Observed During the Test (identify as indicated on the site map)	Method Used to Test or Evaluate Discharge	Describe Results from Test for the Presence of Non-Storm Water Discharge	Identify Potential Significant Sources	Name of Person Who Conducted the Test or Evaluation
08/12/09	Outfall 1	Visual	No discharge observed	Fuel and waste oil.	Jim Hardesty

CERTIFICATION

I, (responsible corporate official), certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #6 NON-STORM WATER DISCHARGE ASSESSMENT AND FAILURE TO CERTIFY NOTIFICATION	Facility name: Sewage Treatment Plant #2 Completed by: Jim Hardesty Title: Date: 8/26/09

Directions: If you cannot feasibly test or evaluate an outfall, fill in the table below with the appropriate information and sign this form to certify the accuracy of the included information.

List all outfalls not tested or evaluated, describe any potential sources of non-storm water pollution from listed outfalls, and state the reason(s) why certification is not possible. Use the key from your site map to identify each outfall.

Important Notice: A copy of this notification must be signed and submitted to the Director within 180 days of the effective date of this permit.

Identify Outfall Not Tested/Evaluated	Description of Why Certification Is Infeasible	Description of Potential Sources of Non-Storm Water Pollution
Outfall evaluated		

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations, and that such notification has been made to the Director within 180 days of _____ (date permit was issued), the effective date of this permit.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #8	Facility: Sewage Treatment Plant #2
	Completed By: Jim Hardesty
BMP Identification	Title:
	Date: 8/26/09 (page 1)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Good Housekeeping	1) Debris should be collected and removed from the site 2) Work area cleanup should follow any task, no matter how small
Inspections	1) Monthly visual inspection of Potential Pollution sources and Stormwater Outfall
Employee Training	1) Familiarization with all BMPs in place and ensuring that employees understan the requirements and contents of the SWPPP 2) Proper handling of all materials used or commonly encountered at the facility. 3) Must be conducted annually

Worksheet #8	Facility: Sewage Treatment Plant #2
	Completed By: Jim Hardesty
BMP Identification	Title:
	Date: 8/26/09 (page 2)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Record Keeping and Internal Reporting Procedures	1) Keep records of revisions to the SWPPP, inspection reports, employee training records, and any spills or leaks that occur onsite.
Covered Storage	Plant 2 has already done an excellent job of covering potential stormwater pollution contributors by covering the fueling area. The waste oil storage area could be covered at a later date or drip pans installed to further eliminate potential stormwater pollution.

Worksheet #9 BMP Implementation	Facility: Treatment Plant 2 Completed By: Jim Hardesty		
BMP	**Action Required for Implementation**	**Completion Date:**	**Person Responsible:**
Spill kit for fueling station	Place spill kit at fueling pumps	4/1/2010	Mike Hess
Indoor storage of small mower batteries	Dispose of, or move indoors mower batteries	4/1/2010	Mike Hess

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TURN OFF IGNITION

CITY OF WICHITA

Stormwater Management News Update

MARCH 1 DEADLINE

DEC 1, 2009 CONST / DEVELOP INST

FEB 2010 INST CHANGE 280 NTU

NOV 2010 STAY NTU LIMIT LATE 2011

1/18/2012

This month we became aware that KDHE is in the process of revising the;

"Kansas Water Pollution Control General Permit and Authorization to Discharge Stormwater Runoff from Construction Activities"

At this time the permit is still open for comments until January 28th 2012.

— REQUEST EXT.

Below are some noteworthy changes to the permit language.

— NEW TURB LIM

1. Pg 2 of 17, Construction activities do not include routine maintenance. (end note 7, page 17)

2. Pg 3 of 17, Part 1. of the revised permit will require multiple NOI's for a permitted site. The City of Wichita sees this language as potentially problematic. The purposed revision would require an NOI for public infrastructure projects within a subdivision currently covered on the developer's Notice of Intent (NOI). As is the normal practice, when the infrastructure projects are complete, the City turns these projects over to the developer for maintenance of the BMP's. This has the appearance that the developer would then have to carry multiple NOI's and SWP2 plan's on the same subdivision.

— EXPLAIN
— MEANING
— IMPACTS

3. Pg 4 of 17, Part 2. This section requires a new SWP2 plan be submitted if the project is not closed out with a Notice of Termination (NOT) within 18 months of the date the revisions go into effect. The project will then be required to follow all of the revised permit requirements. NO GRANDFATHERING AFTER 18 MONTHS. UNREASONABLY

4. Pg 7 of 17, Part 4. This section of the revised permit requires an application for a NOI be submitted to KDHE 60 days prior to the start of construction activities. SIZE

1-ac - 300 DAY 10-ac = 90 DAYS

5. Pg 8 of 17, Section 7.1 of the revised permit specifies qualification requirements on who the State will allow to prepare SWP2 plans. (See end note 6, Page 17)

6. Pg 9 of 17, Section 7.2.3 better clarifies requirements for peak flow rates, downstream channel protection, and stream bank erosion. The listed requirements in this section are more prescriptive than the past permit.

MEASURED QUANTITY PERFORMANCE REQUIREMENTS

— CONSTRUCTION ONLY → VOL CONTROL DURING CONST.

7. Pg 10 of 17, Section 7.2.5 included new date requirements for stabilization of disturbed areas include 14 days where construction activities have temporarily ceased on any portion of the site, and initial stabilization activities must be completed within 21 days.

8. Pg 10 of 17, Section 7.2.7 requires all permitted sites to have sediment basins when disturbing ten or more acres.

9. Pg 11 of 17, Section 7.2.9 requires all permitted site disturbing one acre or more, to have portable toilets, store construction materials away from drainage courses, and have containment berms and drip pans at fuel and liquid storage tanks.

10. Pg 11 of 17, Section 7.2.10 will require an inspection every 14 days with an inspection form filled out within 24 hours of the inspection.

11. Pg 11 and 12 of 17, Section 7.3 describes in greater detail the way a SWP2 plan should be updated in the field, with specific instructions on how to complete the updates to KDHE's satisfaction.

12. Pg 13 of 17, Section 8.3 includes new requirements associated with the sale of individual lots of less than one acre but part of the overall permitted development.

We encourage you to review the construction general permit for yourself, and provide written comments to KDHE at the following address:

KDHE - Bureau of Water 1000 SW Jackson St., Suite 420 Topeka, KS 66612-1367

General Permit No. S-MCST-xxxx-1
Federal Permit No. KSR10xxxx

Deleted: 0701
Deleted: KSR100000

Kansas Water Pollution Control General Permit
and Authorization to Discharge

STORMWATER RUNOFF FROM CONSTRUCTION ACTIVITIES

Under the National Pollutant Discharge Elimination System

Pursuant to the Provisions of Kansas Statutes Annotated 65-164 and 65-165; the Federal Water Pollution Control Act as amended (33 U.S.C. 1251 et seq.; the "Clean Water Act"); and the Kansas Surface Water Quality Standards (K.A.R. 28-16-28 et seq.); this NPDES general permit provides the requirements and conditions under which the permittee is authorized to discharge stormwater runoff from construction activities.

Deleted: NPDES

Coverage is provided and construction Stormwater discharge is authorized when the Kansas Department of Health and Environment (KDHE) issues an Authorization to discharge stormwater runoff from construction activities until the Authorization is revoked/terminated. A signed and dated copy of the Authorization will be provided to the permittee.

Upon Authorization, the Permittee is allowed to discharge stormwater runoff from construction activities described in the Notice of Intent for Stormwater Runoff from Construction Activities and supporting documents in accordance with the requirements and conditions of this NPDES General Permit and the Stormwater Pollution Prevention Plan developed for the identified construction activities.

Deleted: NPDES

This NPDES general permit is effective _____ through _____.

Deleted: NPDES
Deleted: January 2, 2007
Deleted: December 31, 2011

_____ Secretary, Kansas Department of Health and Environment

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Date

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AUTHORIZED ACTIVITY DESCRIPTION:

Construction Activities

Construction activities consist of any activity (e.g. clearing, grubbing, excavating, and grading) which disturb a cumulative total of one (1.0) or more acres or **when the site is a** part of a larger common plan of development or sale which will disturb a cumulative total of one or more acres.

Owners or operators of construction activities which disturb less than one acre (<1.0 acre), and which are not part of larger common plan of development or sale, must have authorization to discharge stormwater runoff from construction activities under this **NPDES** general permit when KDHE notifies the owner or operator that the water quality impact from discharge of stormwater runoff from construction activity warrants consideration because the proposed construction activities constitute a significant pollution potential.

Construction activities do not include routine maintenance (see endnote 7, page 17).

Upon issuance of this NPDES General Permit, owners or operators who intend to engage in construction activities as indicated above shall obtain authorization to discharge stormwater runoff under this NPDES general permit prior to commencing construction activities at the project site. To obtain authorization to discharge stormwater runoff, the owner or operator of a construction site shall submit a Notice of Intent (NOI) for the discharge of stormwater runoff from construction activities at least 60 days prior to removing vegetation or disturbing soil at the site. The NOI form is a request for coverage under the requirements and conditions of this NPDES general permit. To obtain authorization, the NOI form and supporting documents shall be submitted in accordance with Part 4 of this NPDES general NPDES permit. Upon acceptance of the NOI and supporting documents, KDHE will indicate the authorization for coverage under the NPDES general permit on the first page of the NOI form, assign authorization numbers, and indicate the KDHE issuance of the Authorization with the Department Secretary's signature. The owner or operator is then authorized to discharge stormwater runoff from construction activities under the provisions of this NPDES general permit and may commence construction activities at the site described in the NOI and supporting documents in accordance with the terms and conditions expressed in this NPDES general permit and in conformance with the stormwater pollution prevention plan developed for the site.

Owners or operators who received authorization to discharge under the previous Stormwater Runoff from Construction Activities General Permit S-MCST-0701-1, may continue to operate under those permit provisions, conditions, requirements, limits, site specific authorized Best Management Practices (BMPs), and site specific authorized Stormwater Pollution Prevention Plan (SWP2 Plan) until 18 months after permit issuance. If by 18 months after permit issuance all construction activities authorized by General Permit S-MCST-0701-1 have not been completed, the construction site stabilized, a Notice of Termination (NOT) completed and submitted in conformance with the permit requirements and the Notice of Termination approved by KDHE , the permittee shall amend the current SWP2 Plan, implement the amended SWP2 Plan, and install appropriate BMPs in conformance with all permit provisions, conditions, requirements, and limits as established in this NPDES general permit (Permit No. S-MCST-xxxx-1).

Rather than submitting an NOI, owners or operators who intend to engage in construction activity that will disturb between one (1) and five (5) acres may request a rainfall erosivity waiver. To receive a waiver, the owner or operator of a construction site shall submit a rainfall erosivity waiver application form at least 60 days prior to removing vegetation or disturbing soil at the site. To be authorized, the small construction activity must have a low predicted rainfall potential that corresponds to a rainfall erosivity factor of less than 5 as calculated by the Revised Universal Soil Loss Equation [RUSLE]. The rainfall erosivity waiver application form is available on the Kansas Stormwater Website **(see endnote 1, page 17)**. Copies can also be obtained by writing or e-mailing KDHE at the addresses in Part 10.2. Prior to commencing construction, the owner or operator must receive a copy of the authorized rainfall erosivity waiver from KDHE prior to initiation of construction activities at the site.

Any owner or operator who is subject to NPDES permit requirements for stormwater runoff from construction activities and who discharges stormwater runoff from construction activities prior to receiving authorization from KDHE is in violation of both State and Federal laws.

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Upon issuance of this General Permit, owners or operators who intend to engage in construction activities as indicated above, shall obtain authorization to discharge stormwater runoff under this general NPDES permit prior to commencing construction at the project site. To obtain authorization to discharge stormwater runoff, the owner or operator of a construction site shall submit a Notice of Intent (NOI) for the discharge of stormwater runoff from construction activities at least 60 days prior to removing vegetation or disturbing soil at the site. The NOI form is a request for coverage under the requirements and conditions of this general permit. To obtain authorization, the NOI form and supporting documents shall be submitted in accordance with Part 4 of this general NPDES permit. Upon acceptance of the NOI and supporting documents, KDHE will indicate authorization for coverage under the general permit on the first page of the NOI form, assign authorization numbers, and indicate the KDHE issuance of the Authorization with the Department Secretary's signature. The owner or operator is then authorized to discharge stormwater runoff from construction activities under the provisions of this general NPDES permit and may comme ... [1]

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PREFACE

The purpose of this NPDES general permit is to implement the Federal Water Pollution Control statutes and regulations; permit discharges of stormwater runoff from construction sites subject to National Pollutant Discharge Elimination System (NPDES) permit requirements; and to protect waters of the State from sediment and other contaminants.

The issuance of an authorization to discharge under this NPDES general permit allows a project owner or operator, after implementation of the project site stormwater pollution prevention plan, to commence construction site soil disturbing activities that can produce or potentially produce a discharge of contaminated stormwater runoff to surface waters of the State of Kansas. In the absence of information demonstrating otherwise, KDHE expects that compliance with provisions and conditions in this permit will result in the discharge of stormwater being controlled as necessary to meet applicable Kansas surface water quality standards.

This NPDES general permit does not authorize the placement of fill materials in a flood plain, the obstruction of stream flow, directing stormwater runoff across private property, increasing stormwater runoff flow, changing the channel of a defined drainage course, etc. This NPDES general permit is intended to address only the quality of the stormwater runoff and to minimize off-site migration of sediments or other pollutants.

KDHE administers a number of regulatory programs that may preclude the initiation of construction activities until such time as a specific permit is issued or authorization is granted. This NPDES general permit authorization solely addresses NPDES stormwater discharge requirements for construction activities. It is the obligation of the permittee to ensure compliance with all other KDHE, State, Federal and local statutory and regulatory requirements.

Owners or operators seeking coverage under this NPDES general permit which have the potential to impact threatened or endangered species or historical sites can obtain information regarding regulatory requirements or special conditions which may be applicable to the activities covered by this permit from the Kansas Department of Wildlife, Parks, and Tourism (KDWP&T) or the Kansas Historical Society (KSHS) respectively (See NOI instructions for contact information).

Other appropriate agencies should be contacted to determine the need for additional permits, authorizations, or requirements, if any. In particular the applicant should contact the **local municipal separate storm sewer system (MS4) agency (see endnote 2, page 17)**. Other agencies the applicant should contact include the United States Army Corps of Engineers; Kansas Department of Agriculture, Division of Water Resources; and any other local governments or agencies that are not listed herein that may have jurisdiction.

Authorization to Discharge under this NPDES general permit does not constitute approval of the project under the provisions of the Kansas Water Projects Environmental Coordination Act, and does not relieve the permittee of the responsibility to comply with the requirements of other Agencies prior to commencement of construction activities.

Part 1. WHO MUST OBTAIN AUTHORIZATION TO DISCHARGE

Owners or operators of construction activities which may disturb one (1.0) or more acres of soil or are part of a larger common plan of development or sale which may disturb a cumulative total of one (1.0) or more acres of soil must obtain authorization to discharge stormwater runoff from construction activities.

Owners or operators of construction activities which disturb less than one acre (<1.0 acre) of soil, and are not part of larger common plan of development or sale, must have authorization to discharge stormwater runoff from construction activities under this NPDES general permit when KDHE believes the water quality impact warrants consideration or KDHE determines the construction activities constitute a significant pollution potential (i.e., sites that will disturb contaminated soils, contaminated groundwater, or sites adjacent to sensitive waters).

Soil disturbing activities where contaminated soils or contaminated groundwater may be present on the site are reviewed by KDHE on a case-by-case basis and may require coverage under this NPDES general permit or an individual permit even if less than one acre (< 1.0 acre) of soil is disturbed. For sites where contaminated soil or groundwater is present, contact KDHE Bureau of Water - Industrial Programs Section at (785) 296-5549 for a determination on the need for coverage under this NPDES general permit.

Platted subdivision projects must obtain coverage for all areas of the subdivision site. Subdivision projects that have roads and/or utilities constructed under separate contract (e.g., city assessment district) will need to have two concurrent discharge authorization requests (NOIs) for coverage under the NPDES general permit submitted. The owner (developer) of the subdivision project must maintain coverage for the individual lot construction sites. Owners that have financial control over the construction activities of the entire subdivision site, including roads and utilities, need only submit one discharge authorization request (NOI) for coverage under the NPDES general permit.

Soil disturbing activities in response to a public emergency (e.g., tornado, hurricane earth quake, flood, ice storm)

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where the related work requires immediate soil disturbance to avoid imminent endangerment to the public health or the environment is allowed without formal submittal and authorization by KDHE if the owner or operator implements soil erosion and sediment control as soon as possible after the emergency conditions have been resolved and a Notice of Intent application form for coverage under this permit is submitted within 30 days after the start of emergency soil disturbing activities showing the areas disturbed and the soil and erosion controls provided.

KDHE reserves the right to revoke/terminate coverage under this NPDES general permit to applicants for stormwater runoff from construction or soil disturbing activities where annual payment for continuing coverage has not been received or reasonable application of best management practices or pollution controls have not been implemented or maintained following notification by KDHE staff.

Soil disturbing activities associated with construction support activities, such as concrete batch plants, asphalt plants, waste disposal sites and borrow sites are considered as part of the common plan of development for a project and will need coverage under a separate authorization if the support activity is not a commercial operation serving multiple unrelated construction projects and not included in the main project's stormwater pollution prevention plan. Asphalt and concrete batch plants may also need to obtain a separate water pollution control permit for wastewater generated by these facilities.

Part 2. WHAT THIS PERMIT COVERS

Coverage under this NPDES general permit authorizes the discharge of stormwater runoff from construction activities for sites where the discharge point is located in Kansas and for discharges and construction activities that are conducted in accordance with the provisions and requirements of this permit and in accordance with the site specific stormwater pollution prevention plan from the date of Authorization until the site is stabilized and the construction stormwater discharge Notice of Termination (NOT) is approved by KDHE or the permit is revoked/terminated for cause by KDHE.

However, owners or operators of constructions activities that received KDHE authorization for coverage under the previous Kansas Water Pollution Control and National Pollutant Discharge Elimination System General Permit (General Permit No. S-MCST-0701-1) prior to the effective date of this permit may continue to operate under those permit provisions, conditions, requirements, limits, site specific authorized Best Management Practices (BMPs), and site specific authorized Stormwater Pollution Prevention Plan (SWP2 Plan) until 18 months after issuance of this NPDES general permit. If by 18 months after the effective date of this permit all construction activities authorized by General Permit No. S-MCST-0701-1 have not been completed, the construction site stabilized, a Notice of Termination (NOT) completed and submitted in conformance with the permit requirements and the Notice of Termination approved by KDHE, the permittee shall amend the current SWP2 Plan, implement the amended SWP2 Plan, and shall install appropriate BMPs in conformance with all permit provisions, conditions, requirements, and limits as established in this NPDES general permit. The intent of this provision is to enable permittees that received authorization for construction activities under the previous general permit (S-MCST-0701-1) time to either complete construction activities and terminate permit coverage or to retain the services of a licensed professional engineer, geologist, architect, landscape architect, or a Certified Professional in Erosion and Sediment Control (Part 7.1) to modify the BMPs and implement a revised SWP2 Plan in conformance with all provisions, conditions, requirements, and limits of this NPDES general permit, which includes EPA's Construction and Development Effluent Guideline Standards (40 CFR 450) in effect at the time this NPDES general permit is issued.

Proposed new or existing unpermitted construction stormwater dischargers, in regard to antidegradation, are eligible for authorization under this general permit to discharge to a Tier 1, 2, or 2½ Water only if the discharge will not lower the water quality of the applicable water. In the absence of information demonstrating otherwise, KDHE expects that development, installation, operation, appropriate maintenance of site specific BMPs and the SWP2 Plan as well as compliance with the provisions, conditions, requirements, and limits of this general permit will result in discharges that will not lower the water quality of the receiving surface water.

Proposed new or existing unpermitted construction stormwater dischargers that will discharge directly into Tier 3 waters (Outstanding National Resource Waters) are, in regard to antidegradation, considered temporary discharges and eligible for authorization under this general permit to discharge stormwater from construction activities but only if the discharge will not lower the water quality of the receiving water, all enhanced (significantly better and more reliable) levels of controls and best management practices are evaluated and implemented to minimize off-site migration of sediments or other pollutants. In the absence of information demonstrating otherwise, KDHE expects that development, installation, operation, appropriate maintenance of enhanced site specific BMPs and the SWP2 Plan as well as compliance with the provisions, conditions, requirements, and limits of this general permit will result in discharges that will not lower the water quality of the receiving surface water and provide the highest protection reasonably available.

This NPDES general permit also authorizes the following

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non-stormwater discharges from construction sites during the life of the project:

1. Flushing water hydrants and potable water lines provided appropriate sediment and erosion controls are implemented;

2. Water used for rinsing streets or structures that does not contain cleansers, detergents, solvents or additives;

3. Irrigation to establish vegetation; and

4. Discharges of uncontaminated non-turbid groundwater provided appropriate sediment and erosion controls are implemented;

5. Discharges from emergency fire-fighting activities;

6. Water used to control dust;

7. Uncontaminated air conditioning or compressor condensate;

8. Foundation or footing drains where flows are not contaminated with process materials such as solvents or contaminated groundwater; and

9. Uncontaminated construction dewatering wastewaters that have been treated by an appropriate control. Wastewaters that have been treated by an appropriate control but still contain trace amounts of sediment, are not considered contaminated; and

10. Discharges of stormwater listed above, or authorized non-stormwater commingled with a discharge authorized by a different NPDES permit and/or a discharge that does not require NPDES permit authorization.

Part 3. WHAT THIS PERMIT OR THE RAINFALL EROSIVITY WAIVER DOES NOT COVER

This NPDES general permit does not authorize or address:

1. A discharge of stormwater runoff from construction activities which violates the provisions of this NPDES general permit;

2. Construction activities on sites within Kansas which are located on Indian Country lands, (see endnote 3, page 17);

3. Construction activities which may discharge stormwater runoff one-half stream mile or less from a Critical Water Quality Management Area; an Exceptional State Water; a Special Aquatic Life Use Water; or to an Outstanding National Resource Water, unless KDHE specifically grants coverage by this NPDES general permit (see endnote 4, page 17).

4. Construction activities that result in the discharge of stormwater runoff which violates the Kansas Surface Water Quality Standards;

5. Construction activities that result in the discharge of stormwater runoff which violates the applicable requirements of a Municipal Separate Storm Sewer program or local stormwater pollution prevention program;

6. Construction activities that may adversely affect threatened or endangered species as listed in K.A.R. 115-15-1 et seq. unless the KDWP&T has been specifically consulted with;

7. Construction activities that may affect any identified archeological sites or historic sites listed or eligible for listing on the National Register of Historic Places unless the KSHS has been specifically consulted with;

8. Projects that are exempt under the Oil & Gas Exemption (see definition). However, if coverage under the NPDES general permit is requested, an Authorization will be issued and permit requirements will be enforced. However, dewatering discharges (e.g., well point or groundwater dewatering wells) and trench dewatering from groundwater infiltration are not exempt activities under the Oil and Gas Exemption and require KDHE approval, permitting, or authorization under the NPDES general permit. KDHE will review discharges based on management by appropriate controls, discharge quality and quantity, and proposed location of the discharge to determine the need for approval or permitting requirements on a case-by-case basis. Acceptable discharges of uncontaminated groundwater dewatering shall meet Kansas Surface Water Quality Standards, control sediment by employing bag filters or equivalent technology, and prevent down gradient scouring and soil erosion.

9. Agricultural construction activities are generally exempt unless construction of a drainage structure will drain an area that exceeds the definition of a stream as defined by the Kansas Department of Agriculture under K.A.R. 5-45-1(f);

10. The discharge of stormwater from sites where construction activities resulting in the disturbance of one or more acres or are a part of a common plan of development or sale which may disturb a cumulative total of one or more acres where a discharge is directed to an "impaired water" where the impairment is for total suspended solids, nitrogen, or phosphorous

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or a waterbody for which KDHE has developed, and EPA has approved, a Total Maximum Daily Load (TMDL) for total suspended solids, nitrogen, or phosphorous. Authorization for coverage under this general permit will only be granted if the stormwater discharge will not cause or contribute to a violation of surface water quality standards and the permittee implements, operates, and maintains appropriate BMPs, erosion and sediment control measures, and complies with all provisions of this NPDES general permit. In the absence of information demonstrating otherwise, KDHE expects that compliance with the provisions, conditions, and limits in this general permit will result in stormwater discharges being controlled, as necessary, to meet applicable water quality standards and satisfy current provisions in Kansas developed and EPA approved TMDLs directed at total suspended solids and indirectly address releases associated with nitrogen and phosphorus. Per the Kansas TMDLs addressing total suspended solids, KDHE reviews of erosion and sediment control plans, BMPs, and the SWP2 Plans will concentrate on trying to protect and maintain buffers and vegetative filter strips along and immediately adjacent to streams and lakes and to minimize road and bridge construction impacts on streams. In accordance with the provisions of the TMDLs, KDHE will also concentrate on trying to identify projects operating without an NPDES permit or projects which do not employ effective erosion and sediment control techniques. KDHE may impose additional water-quality based limitations on a site-specific basis or require coverage under an NPDES individual permit if information in the NOI and associated materials, required reports, site inspections conducted by KDHE or EPA, or from other sources indicate that stormwater discharges from the site are not controlled as necessary to meet applicable water quality standards or the provisions of a specific TMDL for the waterbody receiving the discharge.

11. Discharges of water mixed with non-stormwater discharges, unless they are listed as allowable non-stormwater discharges in Part 2 above or are determined by KDHE as not requiring authorization;

12. Discharges of fill or dredged materials regulated by part 401 or 404 of the Clean Water Act unless permits under 401 or 404 so stipulate;

13. Stormwater discharges associated with construction activities that have been covered under an individual permit or a different NPDES general permit, unless authorized by KDHE Bureau of Water;

14. Stormwater and/or allowable non-stormwater discharges associated with construction activities that are discharged to a combined sewer system; and

15. The modification of stormwater drainage (the routing of flows or the change in quantity of flow) onto or across private property.

This NPDES general permit does not relieve the permit holder of the obligation to obtain other approvals, permits, licenses, or documents of sanction that may be required by other federal, state, or local government agencies.

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This NPDES general permit also does not authorize any other discharge of sewage, pollutants or wastewater to waters of the State including for example:

a. Hazardous substances or oil from an on-site spill or improper handling and disposal practices;

b. Wash and/or rinse waters from concrete mixing equipment including ready mix concrete trucks;

c. Wastewater generated from wet air pollution control equipment including asphalt plants, or the containment of asphalt plant scrubber water in lined ponds;

d. Contaminated groundwater (see definitions);

e. Wastewater from washout and clean out of stucco, paint, form release oils, curing compounds and other construction materials;

f. Fuels, oils, or other pollutants used in vehicle and equipment operation and maintenance;

g. Soaps or solvents used in vehicle or equipment washing; or

h. Discharges from dewatering activities, including discharges from dewatering of trenches and excavations, unless managed by appropriate controls.

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KDHE reserves the right to deny coverage under this NPDES general permit to applicants for stormwater runoff from construction or earth disturbing activities at sites which have contaminated soils which will be disturbed by the construction activity or have contaminated groundwater which could be discharged by the construction activity.

3.1 Individual Permits Required Due to Denial or Non-Compliance -

If the NOI for coverage under this NPDES general permit is denied by KDHE, then the applicant is not eligible for coverage under this NPDES general permit and shall apply for an individual NPDES permit.

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The permittee shall apply for an individual NPDES permit at least 180 days prior to commencing construction activities. Construction activities as defined in this permit shall not commence until the individual NPDES permit is issued.

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Part 4. HOW TO APPLY

The owner or operator of a construction site needing to discharge stormwater runoff from construction activities shall submit a complete request for coverage under this NPDES general permit to obtain authorization and receive Authorization under this NPDES general permit from KDHE prior to removing vegetation or disturbing soil at the site.

A complete request for Authorization to discharge stormwater runoff from construction activities under this NPDES general permit must be submitted or the request will not be processed. A complete request for Authorization includes:

- An NOI form (construction stormwater) with all information provided and an original authorized signature;
- A check for the first year of the annual permit fee made payable to "KDHE". Per K.A.R. 28-16-56 et seq., as amended, the current annual permit fee for this NPDES general permit is $60;
- An area map delineating the boundary of the construction site and the general topographic features of the area at least one mile beyond the construction site boundary;
- A detailed site plan showing the existing contours, proposed contours, erosion and sediment control features, and locations where stormwater runoff leaves the construction site;
- A narrative summary of the erosion and sediment control(s) and other best management practices that will be utilized to eliminate or minimize contamination of stormwater runoff from the construction activities;
- Design calculations for any proposed sedimentation basin, if applicable; and
- Copies of letters or e-mails documenting coordination with appropriate local, state or federal agencies.

The NOI and supporting documentation shall be submitted at least 60 days prior to start of construction activities. Submittal of a Notice of Intent (NOI) to discharge Stormwater Runoff from Construction Activities and all supporting documentation indicated above, even 60 days after submittal, does not provide automatic coverage under the NPDES general permit. Coverage under this NPDES general permit begins when KDHE authorizes the discharge of stormwater runoff from construction activities identified in the NOI and supporting documentation.

An NOI form can be downloaded from the KDHE Stormwater Website (see endnote 1, page 17) or obtained from KDHE at the address given in Part 10 of this NPDES general permit.

If the construction activities will be conducted within the boundaries of an MS4, the permittee shall submit a copy of the KDHE Authorization and all supporting documentation to the operator of the local Municipal Separate Storm Sewer System (MS4) and obtain any permits or approvals that may be required under the local Stormwater Management Program. A list of NPDES permitted MS4 operators which are required to develop a Stormwater Management Program is available on the KDHE Stormwater Website (endnote 2, page 17) or upon written request to KDHE Bureau of Water Municipal Programs Section.

Upon KDHE's Authorization to discharge stormwater runoff from construction activities for the site indicated on the NOI and supporting documents, the owner or operator and, if appropriate, the company, corporation, partnership, or government entity they represent becomes the permittee under this NPDES general permit.

Part 5. STARTING CONSTRUCTION ACTIVITY

The owner or operator who has applied for coverage under this NPDES general permit shall not initiate construction activities and discharge or have the potential to discharge stormwater runoff from construction activities described in the NOI until receiving Authorization from KDHE for the discharge.

When the owner or operator receives KDHE's Authorization to discharge stormwater from construction activities, the owner or operator may commence construction activities at the site described in the NOI and supporting documentation under the provisions of this NPDES general permit and in accordance with the construction site stormwater pollution prevention plan (SWP2 plan).

A copy of KDHE's Authorized NOI and the project specific SWP2 plan including the erosion and sediment control plan for the specific project shall be readily available at the construction site.

Part 6. CONTINUING COVERAGE - ANNUAL PERMIT FEE AND RENEWAL REQUIREMENTS

The permit holder shall pay an annual permit fee as specified in K.A.R. 28-16-56 et seq. as amended as long as stormwater discharges from the facility continue to meet the definition of stormwater discharges from construction activities. Make the check payable to "KDHE".

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An annual invoice for the annual fee will be sent to the designated contact listed in the NOI. Payment of the annual permit fee is required to maintain continued coverage under this NPDES general permit until such time as a request for a transfer of ownership or until the site is stabilized and a Notice of Termination (NOT) is approved by KDHE or the permit is revoked/terminated.

This NPDES general permit will expire **five (5) years from issuance.** Should KDHE fail to issue a new NPDES general permit with an effective date on or before the expiration date of this permit, the conditions of this NPDES general permit continue in force until the effective date of a new NPDES general permit.

A permittee who has a valid authorization to discharge stormwater runoff from construction activities under the conditions of this NPDES general permit will continue to be covered until the effective date of the new NPDES general permit and shall comply with the conditions of this NPDES general permit until the effective date of the successor NPDES general permit. Upon the effective date of the successor NPDES general permit, the permittee shall continue to comply with the terms and conditions of the successor NPDES general permit or obtain coverage for construction stormwater discharges under alternative provisions of this permit.

If the permittee wishes to continue construction activities regulated by this NPDES general permit after the expiration date of this permit, the permittee must continue to pay the annual fee, and continue to comply with the terms and conditions of this NPDES general permit until the effective date of the successor NPDES general permit.

On and after the effective date of the successor NPDES general permit, the permit holder must comply with the terms and conditions of the successor permit; and continue paying the annual permit fee; or request an individual NPDES permit. The facility will continue coverage under this NPDES general stormwater permit and comply with the provisions of this NPDES general permit until the individual NPDES permit is issued.

The permittee is not required to submit a new NOI for continuing coverage under the successor NPDES general permit unless modifications, changes or discoveries are made which may affect coverage under the successor NPDES general permit or the information in the current NOI is inaccurate, needs to be updated, or KDHE requests the submission of a new NOI.

Part 7. STORMWATER POLLUTION PREVENTION PLAN REQUIREMENTS AND GUIDELINES

Before initiating construction activities the permittee shall develop a Stormwater Pollution Prevention plan (SWP2 plan) which is specific to the construction activities which are to be employed at the site authorized by this NPDES general permit to discharge stormwater runoff. The permittee shall fully implement the provisions of the SWP2 plan required under this part as a condition of this NPDES general permit throughout the term of the construction project.

The purpose of the SWP2 plan is to ensure the design, implementation, management, and maintenance of "Best Management Practices" (BMPs) in order to eliminate or minimize erosion, sediment, and other pollutants in stormwater runoff from construction activities; comply with the Kansas Surface Water Quality Standards; and ensure compliance with the terms and conditions of this NPDES general permit.

The permittee shall select, install, utilize, operate, and maintain effective BMPs in accordance with best professional judgment, generally accepted and scientifically defensible guidance, and the concepts and methods described in Environmental Protection Agency (EPA) document number EPA 832-R-92-005, entitled *Stormwater Management for Construction Activities - Developing Pollution Prevention Plans and Best Management Practices*, published in September, 1992 and EPA document number EPA 833-R-06-004 entitled *Developing your Stormwater Pollution Prevention Plan, A Guide for Construction Sites* published in May, 2007 (see endnote 5, page 17). The permittee is not limited to the BMPs provided in the EPA guidance manuals. Other pollution or erosion controls must utilize practices with similar effectiveness, and the permittee should develop BMPs with the goal of site specific effectiveness in mind.

7.1 General SWP2 Plan Requirements -
Stormwater Pollution Prevention (SWP2) plans shall be developed and prepared under the supervision of a licensed Kansas professional engineer, geologist, architect, or landscape architect or a Certified Professional in Erosion and Sediment Control (see endnote 6, page 17). Please note: It is unlawful for a person to perform any assignment involving a specific technical profession unless licensed or specifically exempted by the Kansas Board of Technical Professions, and is qualified by education and expertise in that profession to perform such work.

The permittee shall ensure the BMPs and/or pollution controls are properly installed and maintained at the locations and relative timeframes specified in the SWP2 plan. Margin or border BMPs, such as a buffer area or vegetation strips, to control stormwater runoff where it leaves the site boundary, shall be installed or marked for preservation before general site clearing is started. Stormwater runoff from disturbed areas which leave the site shall pass through an appropriate sediment control, such as a sedimentation basin, sediment trap, silt fence, prior to leaving the construction site.

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7.2 Contents of SWP2 Plan

7.2.1 Site Description -

The permittee's SWP2 plan shall include all of the information provided in the NOI. The SWP2 plan shall expand upon the NOI information in order to make the SWP2 plan a working document which contractors and site construction workers can use to guide the installation and maintenance of BMPs and pollution controls.

7.2.2 Description of Best Management Practices -

The permittee's SWP2 plan shall include a description of the BMPs and/or pollution controls they will use at the site. The SWP2 plan shall provide the following general information for each BMP and/or pollution control which will be used one or more times at the site:

- a physical description of the BMP and/or pollution control;
- the site and physical conditions which must be met for effective use of the BMP and/or pollution control;
- the BMP and/or pollution control installation/construction procedures, including typical drawings; and
- operation and maintenance procedures for the BMP and/or pollution control.

The SWP2 plan shall provide the following information for each specific instance where a BMP and/or pollution control is to be installed:

- where, in relation to other site features, the BMP and/or pollution control is to be located;
- when, in relation to each phase of construction, the BMP and/or pollution control will be installed; and
- what site conditions must be met before removal of the BMP and/or pollution control, if it is not permanent.

7.2.3 Detailed SWP2 Plan Requirements -

The SWP2 plan must provide BMPs and/or pollution controls that, at a minimum, are designed, installed, and maintained to:

(1) Control stormwater volume and velocity within the site to minimize soil erosion;

(2) Control stormwater discharges, including both peak flow rates and total stormwater volume, to minimize erosion at outlets and to minimize downstream channel and stream bank erosion;

(3) Minimize the amount of soil exposed during construction activity;

(4) Minimize the disturbance of steep slopes (slopes of forty (40) percent or greater, see definitions);

(5) Minimize sediment discharges from the site. The design, installation and maintenance of erosion and sediment controls must address factors such as the amount, frequency, intensity and duration of precipitation, the nature of resulting stormwater runoff, and soil characteristics, including the range of soil particle sizes expected to be present on the site;

(6) Provide and maintain natural buffers around surface waters, direct stormwater to vegetated areas to increase sediment removal and maximize stormwater infiltration, unless infeasible;

(7) Minimize soil compaction and, unless infeasible, preserve topsoil;

(8) Minimize discharges from stream crossings by immediately stabilizing the areas from bank to bank and providing appropriate controls to minimize any stream scour and providing down gradient sediment control from bore pit stockpiles;

(9) Control discharges from sediment or soil stockpiles;

(10) Minimize the generation of dust through the application of water or other dust suppression techniques;

(11) Minimize off-site tracking of soils by utilizing wheel washing facilities or an appropriately designed construction entrance and exit. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge. Off-site track out shall be cleaned up at the end of each work day. Sites with contaminated soils must provide wheel washing and tanks for holding of the wash water, if feasible, or other equivalent practices if the vehicles can track the contaminated soil from the site;

(12) Provide structures to divert significant flows of stormwater from off-site drainage, if feasible;

(13) Reduce erosion of concentrated flows of stormwater in channelized drainage through use of velocity dissipation devices, (e.g., check dams, riprap, and wattles) and installation of channel liners, (e.g., riprap, geotextiles, and erosion control blankets);

(14) Provide storm drain inlet protection (such as rock bags) for inlets down gradient of sites not fully stabilized or where construction activity will soon be started.

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The permittee shall amend the SWP2 plan, at a minimum, whenever:¶
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<#>there is a change in design, operation, or maintenance of BMPs;¶
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<#>there is a change in the design of the construction project which could significantly affect the quality of the stormwater runoff or the use of designated BMPs;¶
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<#>the permittee's inspections indicate deficiencies in the SWP2 plan or any BMP;¶
¶
<#>KDHE notifies the permittee of deficiencies in the SWP2 plan; ¶
¶
<#>the SWP2 plan is determined to be ineffective in significantly minimizing or controlling erosion and sedimentation (e.g. there is evidence, such as excessive site erosion, excessive sediment leaving the site, or excessive sediment deposits in streams or lakes); or¶
¶
<#>KDHE determines violations of Surface Water Quality Standards may occur or have occurred, or¶
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<#>KDHE determines the activities at the site constitute a significant ... [17]

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7.2.4 Steep Slope Stabilization Requirements - When construction activities on steep slopes (slopes of forty (40) percent or greater, see definitions) cannot be avoided, the SWPP plan must require the contractor to immediately initiate placement of appropriate erosion control BMPs in any exposed steep slope areas where construction activities have permanently or temporarily ceased, and will not resume for a period exceeding 7 calendar days. For vegetative cover areas, in addition to seeding, watering, mulching, and any other required activities related to the planting and establishment of vegetation, other appropriate erosion control practices such as geotextiles or erosion control mats shall be utilized. Diversion of concentrated or channelized stormwater flows around steep slopes or slope drains shall be utilized where feasible.

7.2.5 Temporary and Permanent Non-Structural BMPs - Examples of non-structural BMPs which the permittee should consider specifying in the SWP2 plan include: temporary seeding, final seeding, mulching, geotextiles, sod stabilization, protection of existing vegetation for use as buffer strips (especially along drainage courses), protection of trees, preserving existing stream channels as overflow areas when channel shortening is allowed, soil stabilizing emulsions and tackifiers, mulch tackifiers, preservation of mature vegetation, stabilized site entrances/exits, wheel brushing or washing, clean-up of soils on roadways, dust control and other appropriate BMPs.

The permittee's SWP2 plan shall require existing vegetation to be preserved where practical, and the time period for soil areas to be without vegetative cover is to be minimized to the extent practical.

Clearing and grubbing within 50 feet of a defined drainage course shall be avoided, if feasible.

Where changes to defined drainage courses are to occur as part of the project, clearing and grubbing within 50 feet of the defined drainage course shall be delayed until all materials and equipment necessary to complete the drainage change are on site.

Changes to defined drainage courses shall be completed as quickly as possible once the work has been initiated. The area impacted by the construction of the drainage course change is to be re-vegetated or stabilized to minimize the length of time the area is exposed.

Stabilization of disturbed areas must, at a minimum, be initiated immediately whenever any clearing, grading, excavating, or other soil disturbing activities have permanently ceased on any portion of the site, or temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days. The disturbed areas shall be protected from erosion by maintaining the erosion control BMPs, or stabilizing the area with mulch or other similarly effective soil stabilizing BMPs. Initial stabilization activities must be completed within 21 days.

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7.2.6 Temporary and Permanent Structural BMPs - Examples of structural BMPs which the permittee should consider specifying in the SWP2 plan include: diverting flows from undisturbed areas away from disturbed areas, silt (filter fabric or straw bale) fences, earthen diversion dikes, drainage swales, sediment traps, rock check dams, subsurface drains (to gather or transport water for surface discharge elsewhere), pipe slope drains (to carry concentrated flow down a slope face), level spreaders (to distribute concentrated flow into sheet flow), storm drain inlet protection and outlet protection, reinforced soil retaining systems, gabions, temporary or permanent sediment basins, and other appropriate BMPs.

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7.2.7 Sedimentation Basins - The permittee's SWP2 plan shall require a sedimentation basin, where feasible, for each drainage area with 10 or more acres disturbed at one time.

The sediment basin needs to be designed and maintained to provide at least 3,600 cubic feet of storage per acre drained. Where use of a sediment basin of this size is impractical, the SWP2 plan shall evaluate and specify other similarly effective BMPs to be employed to minimize erosion and control sediment. Where large areas of undisturbed or stabilized areas can drain into the sediment basin, alternative design volumes utilizing the rational method can be used. See the definition of Sediment Basin Design Criteria for additional clarification and alternatives for sizing and volume requirements.

Outlet structures must be designed and constructed to withdraw water from the surface, unless infeasible. If infeasible, the reason it is infeasible shall be provided as a part of the NOI and SWPP plan submittal to KDHE.

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The permittee's SWP2 plan shall require that the sediment basin be cleaned to ensure adequate detention is available. No more than 20 percent of the required sediment basin capacity shall be taken up with sediment. The basin shall be maintained until less than 10 acres of area needing final stabilization within the drainage basin remains. If a sedimentation basin is removed, other appropriate and effective BMP's and/or pollution controls shall be provided, as needed.

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The 3,600 cubic feet of storage area per acre drained criteria does not apply to flows from areas where such flows are diverted around both the disturbed area and the sediment basin.

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The permittee's SWP2 plan shall require both temporary and permanent sedimentation basins to have a stabilized

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emergency spillway to minimize the potential for erosion of the emergency spillway or sediment basin embankment.

7.2.8 Permanent Stormwater Controls -
The permittee's SWP2 plan shall include a description of the measures that will be installed during construction to control pollutants in stormwater runoff that will occur after construction activities have been completed. These would include drainage channels or systems; outlet control devices, detention basins, oil water separators, catch basins, etc. This NPDES general permit does not require the permittee or his contractors to operate or maintain these measures beyond the date of the Notice of Termination unless otherwise notified by KDHE.

7.2.9 Additional Site Management BMPs -
The permittee's SWP2 plan shall address other BMPs, as required by site activities, to minimize or eliminate contamination of stormwater runoff. At a minimum, such measures must be designed, installed, implemented and maintained to:

(1) Minimize the discharge of pollutants from equipment and vehicle washing, wheel wash water, and other wash waters. Wash waters must be free of detergents, soaps, or solvents and must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge;

(2) Minimize the exposure of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste and other materials present on the site to precipitation and to stormwater;

(3) Minimize the discharge of pollutants from spills and leaks and implement chemical spill and leak prevention and response procedures;

(4) Require the contractor to provide solid and hazardous waste management including: providing trash containers and regular site clean up for proper disposal of solid waste such as scrap building material, product/material shipping waste, food containers, and cups; and providing containers and proper disposal for waste paints, solvents, and cleaning compounds;

(5) Require portable toilets for proper disposal of sanitary sewage;

(6) Require storing construction materials away from drainage courses and low areas;

(7) Require containment berms and drip pans at fuel and liquid storage tanks and containers; and

(8) Provide procedures to eliminate or minimize the potential to discharge environmental contaminants from contaminated soil or groundwater.

7.2.10 Site Inspections by Permittee -
The permittee shall ensure the entire construction site including but not limited to disturbed areas, BMPs, waste and construction storage areas, drainage areas, locations where stormwater can flow from the construction site, and permanent and temporarily stabilized areas is inspected on a regular schedule and within twenty-four hours of the end of a precipitation event which results in precipitation of 0.5 inches or greater. The frequency of regular inspections should be proportional to the amount of construction activity. The permittee should increase the frequency of inspections when construction activity increases. Regularly scheduled inspections shall at a minimum be once every 14 days. For disturbed areas that have not been finally stabilized all installed BMPs and other pollution control measures shall be inspected for proper installation, operation and maintenance. Locations where stormwater runoff leaves the site shall be inspected for evidence of erosion or sediment deposition. Any deficiencies shall be noted in a report of the inspection and corrected within seven calendar days of the inspection. The permittee shall promptly notify the site contractors responsible for operation and maintenance of BMPs of deficiencies.

A report of each inspection shall be documented. The inspection report is to include the following minimum information: inspector's name, date of inspection, observations relative to the effectiveness of the BMPs, actions taken or necessary to correct deficiencies, listing of areas where construction operations have permanently or temporarily stopped, and observations of stormwater discharge locations with respect to the effectiveness of the upgradient
BMPs.

The inspection report shall be completed within 24 hours of the inspection and be signed by the person performing the inspection.

The permittee shall maintain site inspection reports on-site or at the records storage location identified in the NOI. The permittee shall provide a copy of the site inspection reports to KDHE or EPA upon request.

7.3 Modifications and Amendments to SWP2 Plan -
The permittee shall modify or amend the SWP2 plan as appropriate during the term of the construction activity until the site is stabilized. The permittee, an authorized representative, and/or the contractor(s) responsible for installation, operation, and maintenance of the BMPs shall keep a current copy of the SWP2 plan on the project site.

Modifications to the SWP2 plan shall be made to better control the site erosion and sediment discharges based on field conditions or site phasing that was not considered

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during SWP2 plan development. The permittee shall indicate the changes on the erosion and sediment control plan sheets, maintain a log showing dates of all SWP2 plan modifications, provide a brief description of the SWP2 plan modifications, and provide the name and title of the person authorizing the modification. Changes to the SWPP plan that are not an amendment (see below) are considered modifications and do not need preparation or approval by a professional and do not need to be submitted to KDHE.

The SWP2 plan shall be amended when: there is a change in the project scope which increases the amount of soil disturbed by more than 1.0 acre; when stormwater will discharge into a surface water not originally receiving stormwater from the permitted site construction activities; any discovery of contaminated soil or groundwater, potential historic or archeological sites, or threatened or endangered species during the construction that was not identified and addressed in the SWP2 plan. For projects requiring an amendment the permittee will need to submit a letter explaining the changes, a modified erosion and sediment control plan, and a new NOI form indicating the new acreage with the originally issued State and Federal permit numbers. Soil disturbing activity shall not occur until Authorization from KDHE is provided. Amendments need to be submitted at least 60 days prior to changes in the site are implemented. Authorization for the revised project will be indicated in similar fashion as the initially authorized NOI and a copy of the newly authorized NOI provided to the permittee. Amendments to SWP2 plans shall be prepared under the supervision of a Licensed Kansas professional engineer, geologist, architect, or landscape architect or a Certified Professional in Erosion and Sediment Control.

The permittee shall modify or amend the SWP2 plan, at a minimum, whenever:

- there is a change in design, operation, or maintenance of BMPs, pollution controls, or pollution prevention measures;
- there is a change in the design or scope of the construction project which could significantly affect the quality of the stormwater runoff or the use of designated BMPs or pollution controls;
- the construction site inspections indicate deficiencies in the SWP2 plan or any BMP;
- KDHE or EPA notifies the permittee of deficiencies in the SWP2 plan, BMP's, and/or pollution controls;
- the SWP2 plan is determined to be ineffective in significantly minimizing or controlling erosion and sedimentation (e.g. there is evidence, such as excessive site erosion, excessive sediment leaving the site, or excessive sediment deposits in drainage channels, streams, or lakes);
- KDHE determines violations of Surface Water Quality Standards may occur or have occurred, or
- KDHE determines the activities at the site constitute a significant pollution potential which the current SWP2 plan does not adequately address.

The permittee shall provide a copy of the most current SWP2 plan to KDHE or EPA upon request.

The permittee shall notify each contractor or entity (including utility crews, and city employees or their agents) that will perform work at the site of the existence of the SWP2 plan and what action or precautions shall be taken while on-site to minimize the potential for erosion and the potential for damaging any BMP or pollution control. However, the permittee is ultimately responsible for ensuring compliance with this permit.

The permittee shall provide contractors who are responsible for installation, operation, or maintenance of any BMP a copy of or access to the SWP2 plan.

Part 8. TRANSFER OF OWNERSHIP

8.1 Transfer of Entire Permitted Area -
Coverage under and the requirements of this NPDES general permit are transferable but transfer is not automatic and must be authorized by KDHE. The current permittee and the new permittee shall complete a Notice of Transfer of Owner/Operator (NOTO) form, bearing original signatures, and submit to KDHE at the address given in Part 10 of this NPDES general permit.

The permittee named on the first page of the authorized NOI shall submit a Notice of Transfer of Owner/Operator (NOTO) bearing original signatures. If the original permittee is unavailable or unwilling to sign the NOTO (normally due to bankruptcy) the NOTO shall be filled out as much as possible and a cover letter explaining the situation submitted with the NOTO by the new owner.

Transfers shall be requested at least two weeks in advance of transfer of ownership or operational control to ensure KDHE has authorized the transfer and/or provisions that needed to be addressed by the two parties covering continued responsibility by the original permittee until such time as KDHE formally authorizes the permit transfer.

8.2 Partial Permitted Area Transfer of One (1.0) or More Acres -
If ownership or operational control of a contiguous area, one (1.0) or more acres in size, within the overall project or subdivision area is sold or otherwise transferred by the

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permittee to another party, then a new complete request for Authorization for the area being sold or otherwise transferred shall be submitted in accordance with Part 4 of this NPDES general permit. This procedure is required for all projects including residential, commercial and industrial subdivisions. Lots for construction of residential homes of greater than one (1.0) acre can utilize procedures under this section or under Part 8.3. Previous clearances issued for the original permitted project area (e.g., Kansas Historical Society, Kansas Department of Wildlife, Parks and Tourism, United States Army Corps of Engineers) may be referenced.

8.3 Partial Permitted Area Transfer of Less Than One (1.0) Acre or a Residential Home Lot -
Both the permittee and the new owner or operator who obtains ownership of a lot or contiguous portion of an overall permitted area that is less than one (1.0) acre in size shall jointly complete an Individual Lot Certification (ILC) form for each lot, lots or portions sold or otherwise transferred, or shall incorporate requirements into the contract for sale that are equivalent to those specified on the ILC form. The ILC or equivalent statements in the contract for sale do not constitute a transfer of the Authorization to discharge. The agreement is between the new owner or operator of the lot or portion and the permittee to implement the SWP2 plan and the conditions of the general NPDES permit cooperatively, however, the original permittee maintains responsibility for discharges from the project site.

The permittee shall maintain the ILC form or a copy of the contract for sale covering the same requirements either on-site or at the Records Address location identified in Section I of the NOI. The permittee shall provide ILC forms or copies of contracts for sale to KDHE, EPA, or any other government agency upon request.

Part 9. PROJECT COMPLETION

The permittee shall notify KDHE of the project completion by submitting a Notice of Termination (NOT). The permittee shall sign the NOT and mail it to KDHE at the address given in Part 10 of this NPDES general permit.

When the soil disturbing activities are complete and final stabilization of all disturbed areas has been achieved, the permittee can terminate coverage under this NPDES general permit by submitting the NOT. The project is considered to be stabilized when perennial vegetation, pavement, buildings, or structures using man-made materials cover all areas which have been disturbed. Vegetation must have a density of at least 70 percent of the density of undisturbed areas at or near the site.

For projects disturbing agricultural land, disturbed areas that are restored to their preconstruction agricultural use are not subject to the above stabilization criteria. Areas that are not being returned to preconstruction agricultural use, must meet the conditions for final stabilization in this Part.

For subdivision development projects, termination of coverage may be requested after three years, provided the entire subdivision is stabilized and the rate of home construction disturbs less than one (1.0) acre per year (approximately 5 lots) or less than one (1.0) acre of land remains to be developed (approximately 5 lots).

Part 10. GENERAL REQUIREMENTS OF THIS PERMIT

10.1 Records -

The permittee shall maintain all records required by this NPDES general permit for a period of three (3) years following the date on the NOT. All records shall be kept on-site or in a readily available location identified in the NOI until final stabilization has been completed. After final stabilization has been completed, records may be maintained at the permittee's main office.

Records shall be readily available during normal business hours.

Records which shall be maintained by the permittee include, but are not limited to:

- The NOI indicating the Authorization by KDHE to discharge stormwater runoff from the construction activities and supporting documentation used to apply for authorization under this NPDES general permit;
- the SWP2 plan for the construction site named in the Authorization to discharge stormwater runoff, and any amendments to the SWP2 plan;
- all site inspection records;
- any clearance letters, from KDWP&T, KSHS, COE, or any other agency providing clearance;
- Individual Lot Certification (ILC) forms or portions of the contract for land sale with equivalent wording; and
- a copy of the Notice of Termination submitted to KDHE.

Except for data determined to be confidential *under 33 USC Section 1318*, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department. Effluent data shall not be considered confidential. Knowingly making any false statement on any such report or tampering with equipment to falsify data may result in the imposition of criminal penalties as provided for in 33 USC Section 1319 and KSA 65-170c.

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10.2 Contact Address -
All notifications, forms, reports, or other correspondence which must be submitted to KDHE as required by this NPDES general permit shall be sent to:

Kansas Department of Health and Environment
Bureau of Water, Industrial Programs Section
1000 SW Jackson, Suite 420
Topeka, KS 66612 - 1367

Applicants can download copies of all forms, references, or the NPDES general permit from the KDHE Stormwater Website at:

http://www.kdheks.gov/stormwater/index.html

or can be requested by e-mail to KDHE at:

stormwater@kdheks.gov

10.3 Duty to Comply -
The permittee shall comply with all conditions of this NPDES general permit. Any noncompliance with this NPDES general permit constitutes a violation of the CWA, K.S.A. 65-164 and 65-165, and/or K.A.R. 28-16-28 et seq. Noncompliance may result in enforcement action; revocation/termination of this authorization; or amendment of this authorization.

It shall not be a defense for a permittee in an enforcement action to contend that it would have been necessary to halt or reduce the permitted activity to maintain compliance with the conditions of the NPDES general permit.

After implementation of the stormwater pollution prevention plan, if stormwater discharges adversely affect water quality, or cause violations of any other provision of this NPDES general permit, the permittee shall modify and implement the stormwater pollution prevention plan to address the non-compliance.

Failure to comply with the requirements of the NPDES general permit may subject the permittee to enforcement actions including revocation/termination of the authorization to discharge under this NPDES general permit, a requirement to discontinue the permitted activity, fines and/or possible imprisonment.

Failure to pay the annual permit fee will result in revocation/termination of the construction stormwater discharge Authorization.

10.4 Duty to Provide Information and Site Access -
The permittee shall furnish to KDHE; the EPA; or any local agency having jurisdiction for any aspect of the project, any information which is requested to determine compliance with this NPDES general permit.

When the permittee becomes aware they failed to submit any relevant facts or submitted incorrect information to KDHE, they shall promptly submit such facts or information to KDHE at the address given in Part 10.

The permittee shall allow the Director or an authorized representative of KDHE, the EPA, or, local agency having jurisdiction over the project, upon the presentation of proper credentials and other documents as may be required by law, to:

- enter upon the site where a regulated construction project or activity is located or conducted or where records must be kept under the conditions of this NPDES general permit;
- obtain samples of any discharge to waters of the State;
- have access to and copy at reasonable times, any records which must be kept under the conditions of this NPDES general permit; and
- inspect the construction site and any facilities or equipment (including monitoring equipment, stormwater controls, and BMPs).

10.5 Signatory Requirements -
The Notice of Intent (NOI), the Notice of Termination (NOT), and the Notice of Transfer of Owner/Operator (NOTO) shall be signed by the owner, operator, or designee. All forms, reports, or other correspondence which must be submitted to KDHE as required by this NPDES general permit shall be signed by the permittee or a duly authorized representative.

10.6 Chemical and Sewage Spills -
In case of a spill emergency call:

U.S. EPA National Response Center:
(24 hours a day) (800) 424-8802

Kansas Division of Emergency Management: (KDEM)
(24 hours a day) (785) 296-8013
or (800) 275-0297
Website: www.ksready.gov
KDHE: (24 hours a day) (785) 296-1679

10.7 Hazardous Substance and Oil Spill Reporting -
The permittee or authorized representative is required to notify the U.S. EPA National Response Center (800-424-8802) in accordance with the requirements of 40 CFR 117 and 40 CFR 302 as soon as the discharge of any hazardous substance or oil in excess of the reportable quantity has been discovered. A reportable quantity of oil is the quantity which causes a "film or sheen upon or discoloration of the surface of the water or adjoining shorelines or causes a sludge or emulsion to be deposited

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beneath the surface of the water or upon adjoining shorelines." Reportable quantities for hazardous substances are listed in the cited CFRs.

The permittee is also required to notify the Local Emergency Planning Agency and the Kansas Division of Emergency Management (KDEM) at the phone numbers and/or website listed above in permit paragraph 10.6.

Nothing in this permit shall be construed to preclude the initiation of any legal action or relieve the permittee from any responsibilities, liabilities or penalties to which the permittee is or may be subject to under 33 USC Section 1321 or KSA 65-164 et seq.

10.8 Sewage, Wastes, Materials, and Substances Spill Reporting -
Any discharge or escape of sewage, substances, materials, or wastes, as set forth in K.S.A. 65-171d, which are, or threaten to contaminate or alter any of the properties of the waters of the State or pollute soil in a detrimental, harmful, or injurious manner or create a nuisance, shall immediately be reported to the Kansas Department of Health and Environment at (785) 296-1676. The report shall be made by the permittee, or the owner of the spilled materials, or their respective authorized representative.
In the case of discharges under conditions other than those allowed in a valid NPDES permit, the report shall be made by the permittee or an authorized representative. The report shall be made by telephone to KDHE at 785-296-1679 in accordance with K.A.R. 28-48-1 et seq.

Nothing in this NPDES general permit shall be construed to preclude KDHE's institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under the CWA (33 U.S.C. Section 1321); the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA); K.S.A. 65-161 et seq.; or under state or federal statutes or regulations governing oil or hazardous substances or wastes.

10.9 Requiring a Different NPDES Permit -
The Director may require the permittee to apply for and obtain an individual permit or different general permit if:

- the permittee is not in compliance with the conditions of this NPDES general permit;
- the discharge no longer qualifies for this NPDES general permit due to changed site conditions or regulations; or
- information becomes available which indicates water quality standards have been, or may be violated.

The permittee will be notified in writing of the need to apply for an individual permit or a different NPDES general permit. When an individual permit or different general permit is issued to the authorized permittee, this NPDES general permit is automatically revoked/terminated upon the effective date of the individual or different general permit, whichever the case may be.

Part 11. STANDARD CONDITIONS

In addition to the conditions specified in this NPDES general permit, the permittee shall comply with the following Standard Conditions.

11.1 Proper Operation and Maintenance -
The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the requirements of this NPDES general permit, Kansas law, and Federal law. Proper operation and maintenance also include adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the requirements of this permit
Pollution control systems, erosion control measures or best management practices which require maintenance shall be maintained, repaired or replaced in a timely manner to avoid discharging stormwater runoff laden with pollutants or sediment which adversely impacts water quality.

The permittee shall take all necessary steps to minimize or prevent any adverse impact to human health or the environment resulting from noncompliance with any requirements specified in this permit, including any monitoring as necessary to determine the nature and impact of the stormwater discharge. When necessary to maintain compliance with the permit requirements, the permittee shall halt or reduce those activities under its control.

When necessary to achieve compliance with the terms and conditions of this NPDES general permit, the permittee shall install, operate and maintain backup systems or auxiliary facilities to supplement the erosion control measures and best management practices proposed in the NOI.

11.2 Severability -
The provisions of this NPDES general permit are severable. If any provision of this NPDES general permit or any circumstance is held invalid, the application of such provision to other circumstances and the remainder of the NPDES general permit shall not be affected thereby.

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9.10.1 Entire Tract - Coverage under, and the requirements of this general NPDES permit are transferable but transfer is not automatic and must be authorized by KDHE. The current permittee and the new permittee shall complete a Notice of Transfer of Ownership (NOTO) form, bearing original signatures, to KDHE at the address given in
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11.3 Permit Modifications and Terminations -
As provided by KAR 28-16-62, after notice and opportunity for a hearing, this permit may be modified, suspended or revoked or terminated in whole or in part during its term for cause as provided, but not limited to those set forth in KAR 28-16-62 and KAR 28-16-28b through g.

The permittee shall furnish to the Director, within a reasonable amount of time, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The permittee shall also furnish upon request, copies of all records required to be kept by this permit. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

11.4 Change in Discharge -
All discharges authorized herein shall be consistent with the requirements and conditions of this NPDES general permit.

The SWP2 plan shall be amended or modified to reflect significant changes to the project and/or the stormwater discharges in accordance with the applicable requirements of Part 7.3 of this NPDES general permit.

11.5 Discovery During Construction -
In the event contaminated soil, groundwater contamination, or contamination from hazardous substances are discovered at the site during construction activities, the permittee shall report the discovery to KDHE verbally within 24 hours to (785) 296-5549, and within 5 business days in writing at the stated address in Part 10 of this NPDES general permit. Until site evaluations have been completed and instruction has been provided by KDHE, construction activities in the contaminated area shall cease and additional provisions shall be provided to immediately mitigate discharges from the contaminated area.

Any discovery during construction activities of threatened or endangered species on the site or in the downstream receiving waters, or of a historical or archeological site, that were not previously identified or addressed in the SWP2 plan needs to be reported to the KDWP&T or KSHS and KDHE - Bureau of Water. Until site evaluations have been completed and instruction has been provided by the appropriate agencies, construction activities in the affected area shall cease.

If soil contamination, hazardous substances, threatened or endangered species, or historical or archeological sites are discovered during construction activities, the SWP2 plan shall be amended to reflect this new information in accordance with the requirements and conditions of Part 7.3 of this NPDES general permit.

11.6 Removed Substances -
Solids, sludge, sediment, filter backwash, or other pollutants removed in the course of treatment or control of stormwater runoff shall be properly managed, utilized, and/or disposed of in accordance with applicable statutes and regulations to prevent pollution of surface water, groundwater, or soil.

11.7 Civil, Criminal, and Administrative Liability -
Kansas law provides for civil and criminal punishment including fines and imprisonment for violations of this NPDES general permit. The permittee shall comply with all requirements of this NPDES general permit. Except as authorized in paragraph 11.10 below, nothing in this permit shall be construed to relieve the permittee from administrative, civil or criminal penalties for noncompliance as provided for in KSA 65-161 et seq., and 33 USC Section 1319.

11.8 Property Rights -
The issuance of this NPDES general permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property, nor any invasion of personal rights, nor any infringement or violation of Federal, State or local laws or regulations. This NPDES general permit in no way reduces or eliminates the permittee's responsibilities to landowners whose property may be traversed by stormwater runoff from the project site either before, during, or after construction of the planned project. It is the permittee's responsibility to obtain any necessary approvals from any affected property owner.

11.9 Duty to Mitigate -
The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this NPDES general permit which has a reasonable likelihood of adversely affecting human health or the environment.

11.10 Bypass -
Any diversion or bypass of facilities necessary to maintain compliance with this NPDES general permit is prohibited except where necessary to prevent loss of human life, personal injury, or severe property damage, and where no feasible alternative to the bypass exists.

Any bypass which occurs during construction activities which may affect a threatened or endangered species, or a historical or archeological site, on site or in the receiving water body, shall be reported to KDHE verbally within 24 hours to (785) 296-5549, and within 5 business days in writing at the stated address in Part 10 of this NPDES general permit.

If a bypass occurs during construction activities, the SWP2 plan shall be modified or amended to prevent future occurrences in accordance with the requirements and conditions of this NPDES general permit.

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ENDNOTES

1. The NPDES general permit, application forms, guidance material, the rainfall erosivity waiver application, and reference material is available on the KDHE Stormwater Website at www.kdheks.gov/stormwater. The website also provides links to EPA guidance documents and the instructions for the rainfall erosivity calculation, Fact Sheet 3.1 - Storm Water Phase II Final Rule Construction Rainfall Erosivity Waiver

Material available on the KDHE Stormwater Website www.kdheks.gov/stormwater includes: the NPDES general Permit; Notice of Intent; Notice of Termination; Notice of Transfer of Owner/Operator; Contractors Certification form; individual Lot Certification form; and the Definitions and Acronyms; in Adobe Acrobat Reader format (pdf).

Reference material available on the KDHE Stormwater Website at www.kdheks.gov/stormwater includes the Fact Sheet; Rainfall Erosivity Waiver Application; a list of Exceptional State Waters, Special Aquatic Life Use Waters and Outstanding National Resource Waters, and a link to the current Kansas Surface Water Register and maps.

2. The owner or operator must determine whether discharging stormwater runoff from construction activities on the site is subject to any local applicable requirements. To determine the local requirements applicable to each construction project, the owner or operator must contact the local Municipal Separate Storm Sewer System (MS4) operator. A list of MS4 operators who have or may be required to have a local stormwater pollution prevention program is available on the KDHE Stormwater Website at www.kdheks.gov. This list is provided and maintained for information only, and will not necessarily include all MS4 operators with a local program.

3. If the applicant is uncertain if the project is located on Indian Country land, please contact the Bureau of Indian Affairs Southern Plains Regional Office, Natural Resources Department at (405) 247-6673 and the EPA Region VII Tribal Program at (913) 551-7381 or (913) 551-7069. EPA is the permitting authority on Indian Country land. To request authorization to discharge stormwater runoff from construction activities conducted on Indian Country land, the applicant must contact EPA.

4. To determine if your project is located near one of these areas find the stream segment(s) or lake(s) which receive(s) the stormwater runoff on the Kansas Surface Water Register Maps, then check the designated uses of the stream segment(s) or lake(s) in the Kansas Surface Water Register. Applicants can download a copy of the Surface Water Register from the KDHE Stormwater Website at www.kdheks.gov/stormwater.

5. The referenced guidance documents are available on-line at: http://nepis.epa.gov/ and http://cfpub.epa.gov/npdes/stormwater/const.cfm. Links to the referenced guidance are also available at the KDHE website: http://kdheks.gov/stormwater.

6. Certification as a professional in erosion and sediment control is available through CPESC, Inc. CPESC information can be obtained through the internet at www.cpesc.org, or by calling (828) 655-1600. For other additional educational opportunities and information, contact the International Erosion Control Association at www.ieca.org or by calling (800) 455-4322.

7. Routine maintenance that is performed to maintain the original line and grade, hydraulic capacity, or original purpose of the facility that disturbs less than 5 acres is not considered to be construction activity, and therefore is not subject to construction stormwater permitting requirements.

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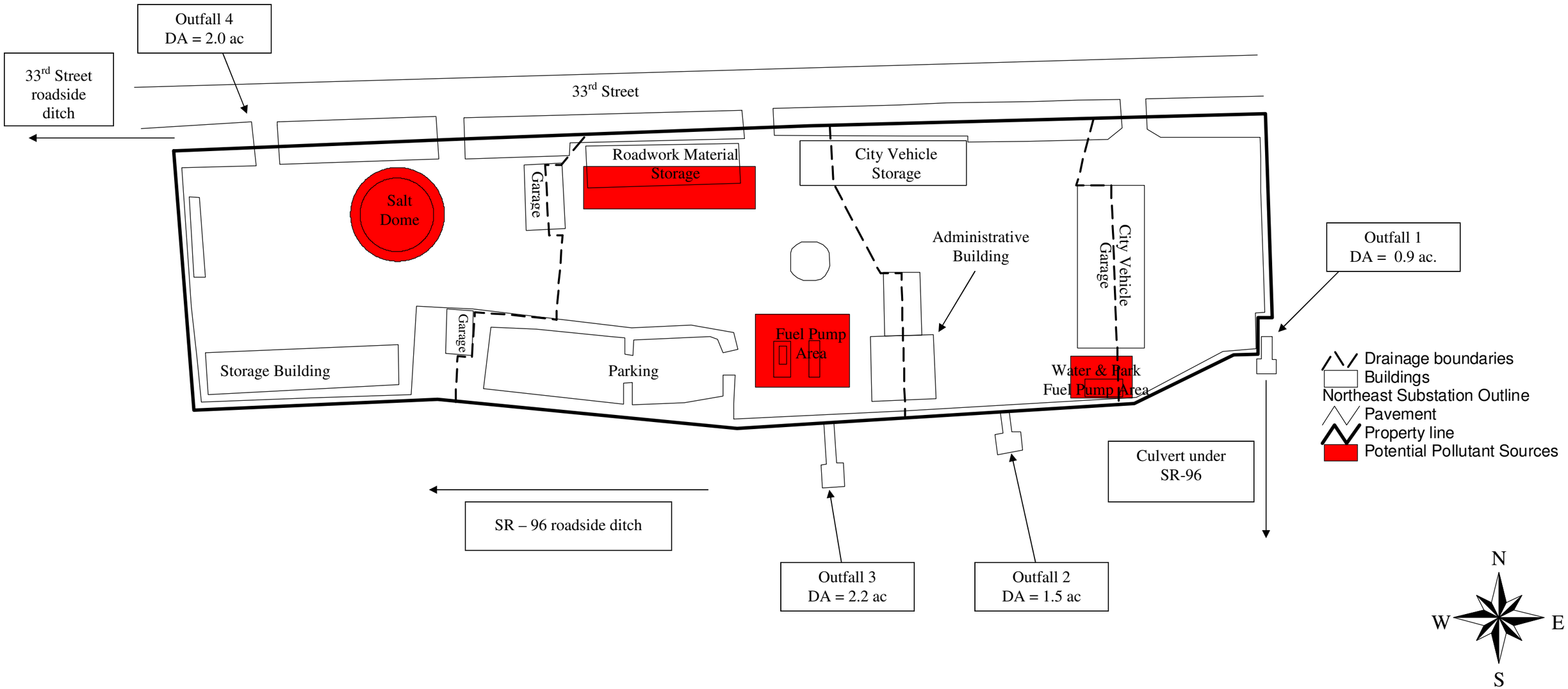
There are four primary storm sewer system outfalls that provide drainage for a small portion of the site. The remainder of the site, the majority of the total site drainage area, is not picked up by storm sewer outfall system and drains in a sheet flow toward the Wichita-Valley Center Floodway.

On the western portions of the site, there are three grate-type inlets that drain the rear portion of the site through two storm sewer systems. There is also a storm sewer entering the site at the northeast property corner, near the intersection of Gilda and 3rd Streets. This 30-inch sewer runs just outside the northern property line along the southern edge of 3rd Street. There are four yard-type inlets along this 30-inch sewer line that drain the northern portions of the site. The northwestern disposal area drains primarily through this system, as well as a second culvert.

All of these storm sewer systems, as well as all other sheet flow, drain and outfall to the exterior drainage ditch on the outside of the Wichita-Valley Center Floodway levee. This exterior levee ditch drains to the south. There is a levee outfall culvert through the levee located approximately at the 3rd Street right-of-way, and another levee outfall culvert located approximately ¼ mile south of the southwestern property corner. These provide drainage into the main Flood Control Channel. The locations of these levee culverts were not field verified due to inaccessibility along the levee. Personnel at the facility provided approximate location information.



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BLACK & VEATCH PROJECT: 136472	Northeast Substation Stormwater Pollution Prevention Plan Site Map	Figure 1

STORM WATER POLLUTION PREVENTION PLAN

WEST SUBSTATION

Prepared for

CITY OF WICHITA

September 2009

STORM WATER POLLUTION PREVENTION PLAN

WEST SUBSTATION

Prepared for

CITY OF WICHITA

September 2009

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1 INTRODUCTION

The purpose of this Storm Water Pollution Prevention Plan (SWPPP or SWP3) is to prevent contamination of storm water runoff as a result of industrial activities conducted at the West Substation. The City of Wichita owns and operates this facility at 5801 W. 3rd Street, in Wichita, Kansas. The goals of this SWPPP are as follows:

1. Identify potential sources of pollution that may be reasonably expected to contribute to the contamination of storm water runoff.
2. Establish Best Management Practices (BMP) that eliminate or effectively reduce the routes for contamination to enter the storm water runoff.

The United States Environmental Protection Agency (USEPA) has developed regulations to reduce the introduction of pollutants into storm water from industrial sites. These regulations have been delegated to the Kansas Department of Health and Environment (KDHE) to administer. Currently, KDHE considers an industrial facility to be in compliance if the owner has submitted a Notice of Intent (NOI) for Storm Water Discharges Associated with Industrial Activity under the General Permit and has developed a SWPPP. This SWPPP was prepared according to the requirements stated within the USEPA and the KDHE guidance documents (Appendix F).

1.1 SWPPP Pollution Prevention Team

The members of the West Substation Pollution Prevention Team (Appendix A, Worksheet #1) are responsible for the day-to-day tasks related to storm water runoff pollution prevention. The members of the SWP3 Pollution Prevention Team will conduct employee training programs, ensure implementation of BMPs, complete all site inspections, and supervise the day-to-day operations at the site which negatively affect storm water quality. Collectively, the SWP3 Pollution Prevention Team is responsible for the following tasks:

- Performing scheduled inspections.
- Training facility personnel.
- Ensuring that the BMPs in the plan are being implemented.
- Maintaining records.
- Revising the SWPPP to reflect changes to the BMPs employed and to the applicable regulations.
- Preparing the Comprehensive Site Compliance Evaluation for insertion into Appendix C of this document once each year.

The following individuals are designated as the primary members of the SWPPP Pollution Prevention Team at the West Substation:

Individual: Aaron Henning
Title: Assistant Maintenance Engineer
Phone: (316) 268-4087

Individual: Don Cradduck
Title: Street Maintenance Supervisor
Phone: (316) 268-4091

These individuals (or persons in their positions) must maintain and update this SWPPP. The Pollution Prevention Team must also coordinate between "front line" employees and management concerning pollution prevention issues. The Pollution Prevention Team is responsible for carrying out the requirements of the SWPPP as summarized in the following table.

Table 1-1 Requirements of the SWPPP

Activity	Frequency
1. Site Inspections	Monthly, records in Appendix B, recordkeeping requirement of 3 years
2. Comprehensive Site Compliance Evaluation	Annually
Comprehensive Site Compliance Evaluation Report	Completed within 2 weeks following Evaluation and inserted in Appendix C
Comprehensive Site Compliance Evaluation Report Implementation	Performed within 12 weeks of the Evaluation Report
3. Visual Inspection of Storm Water	Periodically during wet weather events. Results included in Comprehensive Site Compliance Evaluation Report
4. Employee Training	Annually, keep record of training in Appendix D, Employee Training
5. Spill Reporting	If spill occurs, documented in Appendix E, Significant Spills and Leaks
6. SWPPP recertification	Once every five years by a Kansas P.E., Appendix F

2 FACILITY DESCRIPTION AND STORM WATER DRAINAGE

2.1 Facility Description

The West Substation is located at 5801 W. 3rd Street in Sedgwick County, Wichita, Kansas. The main function of this site is to provide road maintenance services to the Western quadrant of the City. The Standard Industrial Classification (SIC) for this facility is 4225. This plan covers activities where contaminants could possibly be introduced into the storm water runoff such as refueling and maintenance of vehicles and storage of materials. Contaminants of concern used in these activities include diesel, gasoline, motor oil, and particulate matter, such as sand, soil, and gravel. A site map is presented following Worksheet #2 in Appendix A. The important features identified on the site map include the locations of the potential stormwater pollution activities and the stormwater outfalls.

2.2 Facility Drainage

This site is approximately 18 acres, and is generally flat, and drains in a westerly direction, primarily sheet flow, towards the Wichita-Valley Center Floodway. The SWPPP site map will be updated by the SWP3 Pollution Prevention Team whenever changes are made that would affect storm water runoff.

2.3 Inventory of Exposed Materials

Materials which could potentially come into contact with precipitation and contaminate storm water runoff have been summarized in the Material Inventory worksheet presented in Appendix A, Worksheet #3. Materials currently stored at this facility that could possibly come in contact with storm water include diesel, gasoline, salt, gravel, sand, and sediment from roadwork materials. Lack of appropriate BMP's is allowing gravel, sand, and sediment to enter storm water run-off. However, on site diesel and gasoline are unlikely to come into contact with storm water as described in Worksheet #3.

If during the Comprehensive Site Compliance Evaluation (Section 5.2), it is determined that a material has been added or removed from the West Substation, the Materials Inventory worksheet should be updated. New worksheets should be added to the SWPPP when a new material is introduced to the site. If the use of a material is discontinued, it should be crossed out on the worksheet, and the date its use was discontinued should be noted. The changes should be initialed by the appropriate member of the SWPPP Pollution Prevention Team.

2.4 Significant Spills and Leaks

According to facility personnel there have been no spills or leaks of toxic or hazardous pollutants in reportable quantities for the previous three years (Appendix A, Worksheet #4). In Appendix G, a blank Worksheet #4 should be completed and included in Appendix E if any spills occur in the future.

3 OUTFALL INVENTORY

There are four primary storm sewer system outfalls that provide drainage for a small portion of the site. The remainder of the site, the majority of the total site drainage area, is not picked up by storm sewer outfall system and drains in a sheet flow toward the Wichita-Valley Center Floodway.

On the western portions of the site, there are three grate-type inlets that drain the rear portion of the site through two storm sewer systems. There is also a storm sewer entering the site at the northeast property corner, near the intersection of Gilda and 3rd Streets. This 30-inch sewer runs just outside the northern property line along the southern edge of 3rd Street. There are four yard-type inlets along this 30-inch sewer line that drain the northern portions of the site. The northwestern disposal area drains primarily through this system, as well as a second culvert.

All of these storm sewer systems, as well as all other sheet flow, drain and outfall to the exterior drainage ditch on the outside of the Wichita-Valley Center Floodway levee. This exterior levee ditch drains to the south. There is a levee outfall culvert through the levee located approximately at the 3rd Street right-of-way, and another levee outfall culvert located approximately ¼ mile south of the southwestern property corner. These provide drainage into the main Flood Control Channel. The locations of these levee culverts were not field verified due to inaccessibility along the levee. Personnel at the facility provided approximate location information.

3.1 Non-Storm Water Discharges

The West Substation site was inspected for the presence of non-storm water discharges. (Appendix A, Worksheets #5 & #6). A visual inspection of the site revealed no non-storm water discharges; however, the facility should be inspected periodically to verify this conclusion is valid throughout the year. It is most convenient to conduct these inspections concurrently with the routine monthly inspections of the facilities.

The inspector should walk the site and trace the sources of any flows leaving the site that occur during dry weather. Non-storm water flows may result from illicit connections to the sanitary sewer system or from overland flow of process water. All storm sewer conveyances should be checked for the presence of non-storm water flows.

3.2 Description of Potential Pollution Sources

The locations of three activities where potential contaminants could come in contact with storm water are identified on the site map. They are (1) the Fueling Area, (2) the Roadwork Material Storage Area, and (3) the Salt Dome, (Appendix A, Worksheet #7).

3.2.1 Fueling Area

This area is located in the central part of the facility. The fuel pumps in this area, are in the midst of being replaced, but normally, are used to supply diesel, and gasoline to vehicles and equipment. The pumps are covered so any residual fuel spilled from the pump is not likely to be discharged with the storm water. At this time, the West Substation has an absorbent material onsite that is used if there are visible oil marks on the concrete or if gasoline is spilled from the fuel pumps. After use, the absorbing material is removed and disposed. If in the future additional BMPs are required, then all available options will be evaluated. Below is a photograph of the fuel pumps.

Figure 3-1. Fueling Area

3.2.2 Roadwork Material Area

This area is located in the north section of the site. It consists of a storage area for the roadwork materials that the Public Works department uses to perform road repairs. These materials consist of sand, soil, asphalt, and gravel. Since the materials are not covered, it is likely that significant quantities of these materials come in contact with storm water runoff. BMP's for this area will be described in Section 4, and in Appendix C, Worksheet #11. Below is a representative photo of the exposed material.

Figure 3-2. Roadwork Material Area

3.2.3 Salt Dome

The Salt Dome is located south of the Roadwork Materials Area. The salt dome is used to store salt for road application during periods of snow and ice. Since the dome covers the salt, it is unlikely that this material could come into contact with storm water. Below is a photograph of the dome.

Figure 3-3. Salt Dome

3.3 Existing Storm Water Sampling Data

The West Substation was sampled during two rain events in 1991. The results of that sampling is contained the City's original Permit application dated September 1992. It is not anticipated that KDHE will require monitoring of storm water at this site in the future.

4 POLLUTION PREVENTION MEASURES AND CONTROLS (BMPs)

The following section identifies BMPs that will be implemented as part of this SWPPP (Appendix A, Worksheet #8).

4.1 Good Housekeeping

The most elementary, yet one of the most effective, of all BMPs is the practice of good housekeeping. For the West Substation, this consists of the following:

(1) Debris exposed to stormwater should be collected and removed from the site.
(2) Work area cleanup should follow any task, no matter how small.

Currently, the lead site maintenance worker conducts weekly site inspections to ensure good housekeeping at the site. Good housekeeping will be stressed to the employees during their annual employee training. Particular attention should be paid to the areas around fuel dispensing stations and the roadwork materials storage area.

4.2 Spill Prevention and Response Procedures

Spills of diesel fuel, motor oil, or any of the other material could contribute pollutants to storm water discharges. If such an event occurs, having proper procedures in place can prevent a spill from becoming a potentially large environmental problem. Currently, the West Substation does not have any Spill Prevention and Response Procedures in place; however, during the site inspection on November 26, 2003, the general manager of the site indicated that there had not been a spill of any significant amount of material in the past three years. Despite this excellent performance, spill prevention and response procedures should be developed for an event that may occur in the future. Worksheet #4 in Appendix F can be used to record the date and time of any future spills.

4.3 Inspections

Inspections involve visually checking the potential sites of pollution on a periodic basis to confirm that good housekeeping procedures on being followed. The inspection currently occurs weekly by the lead site maintenance worker; however, it is not currently documented. To comply with KDHE Storm water Pollution Prevention Plan guidelines, a monthly record of the inspections should be kept for a period of three years in Appendix B, and a set of follow-up procedures should be in place so that corrective

actions can occur if needed (A blank inspection form is included at the end of Appendix G).

4.4 Employee Training

All West Substation employees that are responsible for storm water pollution prevention at the facility will receive training, and this training will be thoroughly documented. Training will address the following subjects:

(1) Familiarization with all BMPs in place and ensuring that employees understand the requirements and contents of the SWPPP.
(2) Proper handling of all materials used or commonly encountered at the facility.

Employee training will be conducted initially when the SWPPP is presented to the facility. Annual refresher and new hire training will be conducted by the SWPPP Pollution Prevention Team. Worksheet #10 included in Appendix D can be used to document training.

4.5 Roadwork Material Storage

Approximately five domes of material used in roadwork are exposed to storm water. All of these domes are located in the northern section of the site. Significant erosion, as well as, contamination of run-off is likely to occur during storm events. Effective BMP's, such as silt fencing, grass buffer strips, curbing, and/or enclosure must be employed. Future Comprehensive Site Compliance Evaluations by the Pollution Prevention Team should pay particular attention to the BMP's that are employed to verify the effectiveness in this area. If future evaluations find the BMP's lacking, new and/or additional BMP's must be enacted, and documented, in a timely manner..

4.6 Record Keeping and Internal Reporting Procedures

Accurate and thorough records of all activities are essential to maintaining the SWPPP and storm water quality. Records of the monthly inspections (Appendix B), the Comprehensive Site Compliance Evaluation Reports (Appendix C), employee training records (Appendix D), and any future spills or leaks that occur (Appendix E) will be kept on site with the SWPPP. These records will be readily available for review by regulatory agencies.

5 MONITORING, REPORTING, AND RECORD KEEPING REQUIREMENTS

5.1 Sampling Requirements

At this time, KDHE is not requiring that quantative chemical analysis be conducted on the storm water leaving the site; however, periodically during wet weather events, storm water should be visually inspected for the presence of pollutants. It is recommended that the visual inspection of the storm water be conducted periodically during the spring when wet weather events are typically frequent. Each of the storm water conveyances identified in Section 3 should be observed. The inspection should indicate whether an oil sheen, foam, suspended solids, or floating solids are present and the color and clarity of the storm water. The results of the visual inspection of the storm water will be included in the Comprehensive Site Compliance Evaluation Report (Appendix C).

5.2 Comprehensive Site Compliance Evaluation and Report

A Comprehensive Site Compliance Evaluation inspection should be conducted on an annual basis to determine whether site conditions have changed, whether the SWPPP needs to be revised, and whether the SWPPP procedures are effective. The SWPPP should be modified if any deficiencies are identified based on the evaluation or additional BMPs could be implemented. If a BMP is identified that will be implemented, Worksheet #9 (a blank form is included in Appendix G) should be utilized and included with the Comprehensive Site Compliance Evaluation Report. Examples of changes that would result in a revision are regrading of the existing site, an additional material added to the site that could contribute to storm water pollution, or a request for chemical analysis of storm water by KDHE.

The inspection should target the storm water conveyances and the areas that could potentially contribute to storm water pollution; the road work materials area, the fueling area, and the salt dome (identified on the Site Map, Appendix A). In addition, the inspection should look for signs of erosion around the site.

It is recommended that the West Substation develop a report format for this inspection or utilize Worksheet #11 in Appendix C. The report should contain the following information: the cleanliness of the areas, a visual inspection of the storm water conveyances, confirming that non-storm water discharges are not present, the documented visual analysis of the storm water runoff from each of the conveyances, and if there were any changes to site map. These changes should be identified and the site

map updated. The report must be included in Appendix C within two weeks of the Comprehensive Site Compliance Evaluation inspection. If the report identifies additional measures that should be taken to reduce storm water pollution, the measures must be implemented within 12 weeks, and the update recorded on Worksheet #12 (a blank form is included in Appendix G). The updated worksheet should be included with the Comprehensive Site Compliance Evaluation Report.

6 REFERENCES

USEPA, Storm Water Management for Industrial Activities – Developing Pollution Prevention Plans and Best Management Practices, 1992.

KDHE, Storm Water Pollution Prevention Plan Requirements and Guidelines, Attachment A, no date.

Worksheet #1 POLLUTION PREVENTION TEAM MEMBER ROSTER	Facility name: West Substation Completed by: Jim Hardesty Title: Storm Water Specialist Date: 08/04/09

Leader: Aaron Henning

Title: Assistant Maintenance Engineer

Office Phone: 316-268-4087

Responsibilities:

1) Signatory authourity; 2) Coordinate employee training program; 3) Ensure that all SWPPP requirements are performed

Members:

(1) Don Cradduck

Title: Road Maintenance Supervisor

Office Phone: 316-268-4091

Responsibilities:

1) Conduct annual site evaluations; 2) Perform employee training; 3) Conduct weekly site inspections

(2) _____

Title: _____

Office Phone: _____

Responsibilities:

(3) _____

Title: _____

Office Phone: _____

Responsibilities:

(4) _____

Title: _____

Office Phone: _____

Responsibilities:

Worksheet #2 DEVELOPING A SITE MAP	Facility name: West Substation Completed by: Jim Hardesty Title: Storm Water Specialist Date: 8/04/09

Instructions: Draw a map of your site including a footprint of all buildings, structures, paved areas, and parking lots. The information below describes additional elements required by EPA's General Permit.

EPA's General Permit requires the following features on the site map:

- All outfalls and storm water discharges
- Drainage areas of each storm water outfall
- Structural storm water pollution control measures, such as:
  - Flow diversion structures
  - Retention/detention ponds
  - Vegetative swales
  - Sediment traps
- Name of receiving waters (or if through a Municipal Separate Storm Sewer System)
- Locations of exposed significant materials
- Locations of past spills and leaks
- Locations of high-risk, waste-generating areas and activities common on industrial sites such as:
  - Fueling stations
  - Vehicle/equipment washing and maintenance areas
  - Area for unloading/loading materials
  - Above-ground tanks for liquid storage
  - Industrial waste management areas (landfills, waste piles, treatment plants, disposal areas)
  - Outside storage areas for raw materials, by-products, and finished products
  - Outside manufacturing areas
  - Other areas of concern (specify: _____)

Worksheet #3 MATERIAL INVENTORY	Facility name: West Substation Completed by: Jim Hardesty Title: Storm Water Specialist Date: 8/04/09

Instructions: List all materials used, stored, or produced onsite. Assess and evaluate these materials for their potential to contribute pollutants to storm water runoff. Also complete Worksheet 3A if the material has been exposed during the last 3 years.

Material	Purpose/Location	Quantity (gallons)			Quantity Exposed in Last 3 Years	Likelihood of contact with storm water. If yes, describe reason.	Past Significant Spill or Leak	
		Used	Produced	Stored			Yes	No
Soil, sand, gravel,	Roadwork Material	varies			Unknown	Likely, material is exposed.	Yes	No
Unleaded Gasoline	Fuel area	varies		2000	Small amount of spillage	Not likely, fuel is stored in underground storage tank.		No
Diesel	Fueling Area	varies		10,000	Small amount of spillage	Not likely, fuel is stored in underground storage tank.		No
Road Salt	Road deicing / Road Salt Dome	varies			None	Not likely, material is covered		No
Waste Oil	Oil from vehicles / Waste Oil UST	varies			None	Not likely, material is stored in underground storage tank.		No

Worksheet #4

LIST OF SIGNIFICANT SPILLS AND LEAKS

Facility name: West Substation
Completed by: Jim Hardesty
Title: Storm Water Specialist
Date: 8/04/09

Directions: Record below all significant spills and significant leaks of toxic or hazardous pollutants that have occurred at the facility in the three years prior to the effective date of the permit.

Definitions: Significant spills include, but are not limited to, releases of oil or hazardous substances in excess of reportable quantities.

1st Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	
None										

2nd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

3rd Year Prior

Date (month/day/year)	Spill	Leak	Location (as indicated on site map)	Description				Response Procedure		Preventive Measures Taken
				Type of Material	Quantity	Source, If Known	Reason	Amount of Material Recovered	Material No Longer Exposed to Storm Water (True/False)	

Worksheet #5 NON-STORM WATER DISCHARGE ASSESSMENT AND CERTIFICATION	Facility name: West Substation Completed by: Jim Hardesty Title: Storm Water Specialist Date: 8/04/09

Date of Test or Evaluation	Outfall Directly Observed During the Test (identify as indicated on the site map)	Method Used to Test or Evaluate Discharge	Describe Results from Test for the Presence of Non-Storm Water Discharge	Identify Potential Significant Sources	Name of Person Who Conducted the Test or Evaluation
08/04/09	All conveyances	Visual	No discharge observed	Entire site	Jim Hardesty

CERTIFICATION

I, (responsible corporate official), certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #6 NON-STORM WATER DISCHARGE ASSESSMENT AND FAILURE TO CERTIFY NOTIFICATION	Facility name: West Substation Completed by: Jim Hardesty Title: Storm Water Specialist Date: 8/04/09

Directions: If you cannot feasibly test or evaluate an outfall, fill in the table below with the appropriate information and sign this form to certify the accuracy of the included information.

List all outfalls not tested or evaluated, describe any potential sources of non-storm water pollution from listed outfalls, and state the reason(s) why certification is not possible. Use the key from your site map to identify each outfall.

Important Notice: A copy of this notification must be signed and submitted to the Director within 180 days of the effective date of this permit.

Identify Outfall Not Tested/Evaluated	Description of Why Certification Is Infeasible	Description of Potential Sources of Non-Storm Water Pollution
Outfall 1 and 2	Location in Floodway prevents access. However, all conveyances were observed, and were dry.	

CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations, and that such notification has been made to the Director within 180 days of _____ (date permit was issued), the effective date of this permit.

A. Name & Official Title (type or print)	B. Area Code and Telephone No.
C. Signature	D. Date Signed

Worksheet #7	Facility: West Substation
	Completed By: Jim Hardesty
	Title: Storm Water Specialst
Pollutant Source Identification	Date: 8/04/09

Instructions: List all identified stormwater pollutant sources and describe existing management practices that address those sources. In the third column, list Best Management Practice (BMP) options that can be incorporated into the plan to address remaining sources of pollutants.

Storm Water Pollutant Sources	Existing Management Practices	Description of New BMP Options
1 Gasoline and Diesel Fuel from fueling stations	Absorbent material used for cleanup	None required
2 Roadwork materials (sand, gravel, soil)	None	Silt fencing, grass buffer strips, curbing, and/or enclosure
3 Salt	Covered storage	None required
4		
5		

Worksheet #8	Facility: West Substation
	Completed By: Jim Hardesty
BMP Identification	Title: Storm Water Specialist
	Date: 08/04/09 (page 1)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Good Housekeeping	1) Debris should be collected and removed from the site 2) Work area cleanup should follow any task, no matter how small
Inspections	1) Monthly visual inspection of Potential Pollution sources and Stormwater Outfalls
Employee Training	1) Familiarization with all BMPs in place and ensuring that employees understan the requirements and contents of the SWPPP 2) Proper handling of all materials used or commonly encountered at the facility. 3) Must be conducted annually

Worksheet #8	Facility: West Substation
	Completed By: Jim Hardesty
BMP Identification	Title: Storm Water Specialist
	Date: 08/04/09 (page 2)

Instructions: Describe the Best Management Practices (BMP's) that have been selected to be included in the plan. For each of the baseline BMP's, describe actions that will be incorporated into facility operations. Also describe any additional BMP's (activity-specific and site-specific BMP's) that have been selected. Attach additional sheets if necessary.

BMP's	Brief Description of Activities
Record Keeping and Internal Reporting Procedures	1) Keep records of revisions to the SWPPP, inspection reports, employee training records, and any spills or leaks that occur onsite.
Maintain 40' grass buffer on west side of roadwork material storage area.	Frequency of mowing will be minimized so as to maintain buffering capabilities.
Regrading of the southern roadwork material storage area.	Regrade and adjust slope to drain water to the west.

Worksheet #9 BMP Implementation	Facility: West Substation Completed By: Jim Hardesty		
BMP	**Action Required for Implementation**	**Completion Date:**	**Person Responsible:**
Forty foot grass buffer strip on west side of roadwork material storage area.	Mowing frequency will be minimized to maintain buffering capabilities.	On going	Aaron Henning
Slope of the southern roadwork material storage.	Regrade and adjust slope to drain water to the west and into buffer strip.	5/1/2010	Aaron Henning

NOIDALE

LOOK UP
LOOK BACK
BEFORE

ROAD GRAVEL
ST. MAINT.
WATCH
OVERHEAD
CLEARANCE
LOOK UP
LOOK BACK
BEFORE

Hardesty, James

From: John Goetz <jgoetz@kdheks.gov>
Sent: Tuesday, July 01, 2014 3:31 PM
To: Lindebak, Scott; Hall, Mark; Hardesty, James
Cc: Clay Randel; Sabrina Cantrell; Richard Basore; David Butler; Owen, Randy
Subject: FW: NRC#1087703

John Paul Goetz P.E.
District Water Engineer
Bureau of Environmental Field Services
Kansas Dept. of Health and Environment
130 S. Market Suite 6050
Wichita, Kansas 67202
316-337-6058
316-337-6023 Fax
Please note my new email address jgoetz@kdheks.gov

-----Original Message-----
From: John Jones
Sent: Tuesday, July 01, 2014 3:26 PM
To: Allison Herring; Kyle Parker; Stan Marcotte; Meer Husain
Cc: John Goetz; David Butler; Russ Brichacek; Cheryl Evans; 'Schwartz, Jamie L NFG NG KSARNG (US)'; 'jennifer.m.clark66.nfg@mail.mil'; 'Redington, Curtis'; Joe Dom
Subject: FW: NRC#1087703

Anhydrous ammonium release into storm sewers at Intrust Arena in Wichita. Local Fire Department is flushing the sewers.
KDHE spill #35430

John Jones
(785) 296-1679
jtjones@kdheks.gov

-----Original Message-----
From: Spill Hotline [mailto:spillhotline@kdheks.gov]
Sent: Tuesday, July 01, 2014 3:13 PM
To: John Jones; Kent Schierkolk; Chris Hase; Jorge Jacobs
Subject: FW: NRC#1087703

From: HQS-PF-fldr-NRC@uscg.mil[SMTP:HQS-PF-FLDR-NRC@USCG.MIL]
Sent: Tuesday, July 01, 2014 3:14:36 PM
To: Spill Hotline
Subject: NRC#1087703

Auto forwarded by a Rule

NATIONAL RESPONSE CENTER 1-800-424-8802
GOVERNMENT USE ONLYGOVERNMENT USE ONLY***
Information released to a third party shall comply with any
applicable federal and/or state Freedom of Information and Privacy Laws

Incident Report # 1087703

INCIDENT DESCRIPTION

*Report taken by: CIV NICHAULUS THREATT at 16:09 on 01-JUL-14
Incident Type: FIXED
Incident Cause: EQUIPMENT FAILURE
Affected Area: STORM DRAIN
Incident occurred on 01-JUL-14 at 11:00 local incident time.
Affected Medium: WATER STORM DRAIN, AIR

REPORTING PARTY
Name: TYI GRIER
Organization: CENTRAL AIR
Address: 3435 WEST HARRY ST.
WICHITA, KS
CENTRAL AIR reported for the responsible party.
PRIMARY Phone: (316)7061745 ALTERNATE Phone: (316)9456785
Type of Organization: PRIVATE ENTERPRISE

SUSPECTED RESPONSIBLE PARTY
Name: TYI GRIER
Organization: CENTRAL AIR
Address: 3435 WEST HARRY ST.
WICHITA, KS
PRIMARY Phone: (316)7061745 ALTERNATE Phone: (316)9456785

INCIDENT LOCATION
500 EAST WATERMAN County: SEDGWICK
City: WICHITA State: KS
INTRUST BANK ARENA

RELEASED MATERIAL(S)
CHRIS Code: AMA Official Material Name: AMMONIA, ANHYDROUS
Also Known As:
Qty Released: 300 POUND(S) Qty in Water: 275 POUND(S)

DESCRIPTION OF INCIDENT
ANHYDROUS AMMONIA RELEASED FROM A ICE PLANT DUE TO A VALVE LEAK.

SENSITIVE INFORMATION

INCIDENT DETAILS

Package: N/A
Building ID:
Type of Fixed Object: OTHER
Power Generating Facility: UNKNOWN
Generating Capacity:
Type of Fuel:
NPDES:
NPDES Compliance: UNKNOWN
---WATER INFORMATION---
Body of Water: STORM DRAIN
Tributary of:
Nearest River Mile Marker:
Water Supply Contaminated: UNKNOWN

IMPACT

Fire Involved: NO Fire Extinguished: UNKNOWN

INJURIES: NO Hospitalized: Empl/Crew: Passenger:
FATALITIES: NO Empl/Crew: Passenger: Occupant:
EVACUATIONS:NO Who Evacuated: Radius/Area:

Damages: NO

Closure Type	Description of Closure	Hours Closed	Direction of Closure
Air:			
Road:			
Waterway:			
Track:			

N
N
Major Artery:N
N
N

Environmental Impact: UNKNOWN
Media Interest: NONE Community Impact due to Material:

REMEDIAL ACTIONS

FIRE DEPT. IS ONSCENE DILUTING THE MATERIAL.
Release Secured: YES
Release Rate:
Estimated Release Duration:

WEATHER

Weather: CLEAR, 90ºF

ADDITIONAL AGENCIES NOTIFIED

Federal:
State/Local:

State/Local On Scene:
State Agency Number:

NOTIFICATIONS BY NRC

CENTERS FOR DISEASE CONTROL (GRASP)
01-JUL-14 16:14 (770)4887100
DHS NOC (NOC)
01-JUL-14 16:14 (202)2828114
CGIS RAO ST. LOUIS (COMMAND CENTER)
01-JUL-14 16:14 (314)2692420
COLORADO INFO ANALYSIS CENTER (FUSION CENTER)
01-JUL-14 16:14 (720)8526705
DOT CRISIS MANAGEMENT CENTER (MAIN OFFICE)
01-JUL-14 16:14 (202)3661863
U.S. EPA VII (MAIN OFFICE)
(913)2810991
U.S. EPA VII (CRIMINAL INVESTIGATION DIVISION)
01-JUL-14 16:14 (913)2810991
FEMA REGION 7 (COORDINATION CENTER)
01-JUL-14 16:14 (816)2837577
IA U.S. ATTORNEY'S OFFICE (INTELLIGENCE OFFICER)
01-JUL-14 16:14 (515)4739345
KANSAS INTEL FUSION CENTER (US DHS I&A, SLPO)
01-JUL-14 16:14 (307)2861092
NATIONAL INFRASTRUCTURE COORD CTR (MAIN OFFICE)
01-JUL-14 16:14 (202)2829201
NOAA RPTS FOR KS (MAIN OFFICE)
01-JUL-14 16:14 (206)5264911
NATIONAL RESPONSE CENTER HQ (AUTOMATIC REPORTS)
01-JUL-14 16:14 (202)2671136
DEPT HEALTH AND ENV (MAIN OFFICE)
01-JUL-14 16:14 (785)2961679
DOI/OEPC DENVER (MAIN OFFICE)
01-JUL-14 16:14 (303)4452500
USCG DISTRICT 8 (MAIN OFFICE)
01-JUL-14 16:14 (504)5896225

ADDITIONAL INFORMATION

*** END INCIDENT REPORT #1087703 ***
Report any problems by calling 1-800-424-8802
PLEASE VISIT OUR WEB SITE AT http://www.nrc.uscg.mil

This site has been Tad Approved!

We are committed to following best practices for clean and healthy stormwater in Wichita.

Visit TadsWater.com

and learn how to get Tad Approved.

CITY OF WICHITA

WWW.WICHITA.GOV

COW0017 Tad Yard Sign_FA.indd 1

9/4/14 8:55 AM

I got Tad Approved!

Find out how at
Visit TadsWater.com

CITY OF WICHITA
WWW.WICHITA.GOV

COW0017 Tad Yard Sign_FA.indd 2
9/4/14 9:01 AM

Your business has been

Tad Approved!

Thanks for keeping Wichita's water clean!

Share Your Success

Tad
Stormwater
Spokesfrog
TadsWater.com

CITY OF WICHITA
WWW.WICHITA.GOV

Report Illegal Discharges **268-4498** | Storm Sewer Issues **268-4090**

COW0012 Tad Refrigerator Magnet_FA.indd 1 7/14/14 2:50 PM

An Important Message from the City of Wichita

Learn how you can help both our homes stay healthy, clean and tidy.

TadsWater.com

CITY OF WICHITA
WWW.WICHITA.GOV

Stormwater Utility Charges **265-1300** | Report Illegal Discharges **268-4498**
Storm Sewer Issues **268-4090** | Recycling **660-7200**
Sedgwick County Household Hazardous Waste Facility **660-7458**

COW0013 Tad Door Hanger Bag_FA_V2.indd 1 7/14/14 11:57 AM

Your family has been

Tad Approved!

Thanks for keeping Wichita's water clean!

Share Your Success

Tad
Stormwater
Spokesfrog

TadsWater.com

CITY OF WICHITA
WWW.WICHITA.GOV

Report Illegal Discharges **268-4498** | Storm Sewer Issues **268-4090**

Hardesty, James

From: Wichita Clean Streams <info=wichitacleanstreams.org@mail73.atl51.rsgsv.net> on behalf of Wichita Clean Streams <info@wichitacleanstreams.org>
Sent: Sunday, May 11, 2014 1:36 PM
To: Hardesty, James
Subject: Rain Barrel Sale 2014

ANNUAL RAIN BARREL SALE

Your rain barrel purchase helps clean up the Ark River.

Order Rain Barrel Online

$10 Off Facebook Coupon

Granite RainStation™ 45 Gallon Rain Barrel

$79.99 + tax

The EarthMinded RainStation barrel features a reversible "Planter Top" lid that can be used to grow annuals or herbs on top of the barrel making it both functional and decorative.

- 45 gal. barrel with snap on lid and locking feature for safety
- Flexifit™ Diverter automatically passes excess water through the downspout to prevent flooding
- Made in the USA from durable food grade HDPE resin
- Sealed system keeps out mosquitoes, pests and sunlight

- Unique planter's screen to allow planting in the lid
- No special tools needed – hole saw included
- Dimensions: 35.5″x23.5″x23.5″

Sale ends June 7 at 5 p.m. CST. To save on shipping fees, we will hold a one-day rain barrel pick up during the 10th Annual Household Hazardous Waste Collection Day & Voluntary Vehicle Emissions Testing. Pick up is scheduled for **Saturday, June 14** at Beechcraft – Parking Lot E, Gate C6 – 10059 E. Central (1/2 mile east of Webb Road on Central).

Pick up time is from **8 a.m. to noon.** We will not offer a shipping option.

VOLUNTEERS NEEDED

Volunteers are needed to help sell rain barrels during Riverfest. Wichita Clean Streams, formerly RiverCity WRAPS, will host a rain barrel booth inside Riverfest's happy hour zone called "Ackerman's Backyard", which features a beer garden, wine tasting, live music, a cigar tent and other adult-centric events nightly.

To sign yourself and a friend up for a three-hour shift, visit the online sign up form to register. *Project funded by an EPA section 319 grant.*

Read more here: http://www.kansas.com/2014/05/06/3442585/river-festival-making-some-changes.html#storylink=cpy

Copyright © 2014 RiverCity WRAPS, All rights reserved.
You are receiving this email because you expressed interest in information about the Arkansas River or you belong to a Wichita area neighborhood association.

Our mailing address is:
RiverCity WRAPS
P.O. Box 780042
Wichita, KS 67278

Add us to your address book

unsubscribe from this list update subscription preferences

Hardesty, James

From: Henry, Don
Sent: Thursday, July 17, 2014 4:06 PM
To: Hardesty, James
Cc: Lindebak, Scott
Subject: RE: Filter Plant Outfall Sample

This is good news. Thank you for following thru and catching the sample.

From: Hardesty, James
Sent: Thursday, July 17, 2014 10:13 AM
To: Henry, Don
Cc: Lindebak, Scott
Subject: Filter Plant Outfall Sample

Don,

The light rain yesterday, July 16th, produced a discharge at the outfall that was affected by last week's filter plant spill. That discharge had a pH of 8.72. The river below the outfall had a pH of 8.13.

Let me know if there questions, or if there is anything else I can do.

Jim Hardesty
Water Quality Specialist
City of Wichita
455 N. Main 8th Floor
Wichita, KS. 67202
316-268-8317
JHardesty@wichita.gov