KPDES

KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM

PERMIT

PERMIT NO.: KYG500000

GENERAL KPDES PERMIT FOR STORM WATER POINT SOURCES FROM HIGHWAY MAINTENANCE AND EQUIPMENT FACILITIES

In compliance with the provisions of the Kentucky Revised Statutes Chapter 224 and pursuant to 401 KAR 5:055, Section 5, the following discharges are authorized:

New or existing point sources involving highway maintenance and equipment facilities within the Commonwealth of Kentucky that are required to have a permit pursuant 401 KAR 5:055, Section 1 and KRS 224.16-050.

Specifically excluded from authorization under this permit are discharges that:

1. Are subject to current KPDES individual permits; or
2. Are subject to any promulgated effluent guideline or standard; or
3. Are otherwise specifically designated by the Director as a significant contributor of pollution more appropriately regulated by an individual permit; or
4. Are to receiving streams listed as Outstanding Resource Waters or High Quality Waters.

The receiving waters for the discharge(s) authorized by this permit are located within the political boundaries of the Commonwealth of Kentucky. Such authorization is in accordance with effluent limitations and other conditions set forth in PARTS I, II, and III hereof.

This permit consists of this cover sheet, PART I 2 pages, PART II 1 page, PART III 2 pages, and PART IV 3 pages.

This permit shall become effective on APR 1 2003

This permit and the authorization to discharge shall expire at midnight

MAR 3 1 2008

1/24/03
Date Signed

Jeffrey W. Pratt, Director
Division of Water

Robert W. Logan
Commissioner

DEPARTMENT FOR ENVIRONMENTAL PROTECTION
Division of Water, Frankfort Office Park, 14 Reilly Road, Frankfort, Kentucky 40601

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A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning on the effective date of this permit and lasting through the term of this permit, the permittee is authorized to discharge storm water runoff.

Such discharges shall be limited and monitored by the permittee as specified below:

EFFLUENT CHARACTERISTICS	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS	
	kg/day (lbs/day)		Other Units (Specify)			
	Monthly Avg.	Daily Max.	Monthly Avg.	Daily Max.	Measurement Frequency	Sample Type
Flow, m^3/day (MGD)	Report	Report	N/A	N/A	1/Quarter	Estimate
Total Suspended Solids	N/A	N/A	Report	Report	1/Quarter	Grab
Oil & Grease	N/A	N/A	10 mg/l	15 mg/l	1/Quarter	Grab
Chlorides*	N/A	N/A	N/A	1200 mg/l	1/Quarter	Grab

The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored 1/Quarter by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: nearest accessible point after final treatment, but prior to actual discharge or mixing with receiving waters.

* Samples shall be taken only if bulk road salt is stored at the facility.

B. Schedule of Compliance

The permittee shall achieve compliance with all requirements on the effective date of this permit.

PART II

STANDARD CONDITIONS FOR KPDES PERMIT

A. Definitions

1. Calendar Day
Any consecutive 24-hour period.

2. Daily Maximum
The highest concentration of a pollutant discharged during a calendar day.

3. Director
The Director of the Kentucky Division of Water.

4. Division
The Division of Water.

5. Facility or Activity
Any KPDES point source, or any other facility or activity, including land or appurtenances thereto, that is subject to regulation under the KPDES program.

6. Grab Sample
A single sample portion collected over a period of time not exceeding fifteen (15) minutes. The grab sample shall be collected at the time period(s) most representative of the total discharge.

7. Estimate Flow Measurement
Flow measurement of storm water runoff may be based on the rational method.

8. Monthly Average
The sum of all daily discharge concentrations measured during a calendar month divided by the number of daily discharges measured (i.e., the arithmetic mean of the daily concentration values).

9. Point Source
A confined, discernible, and discrete conveyance, including but not limited to any pipe, ditch, channel, tunnel, conduit, well, fissure, or container from which pollutants are or may be discharged.

B. General Conditions

The permittee is advised that all KPDES permit conditions in KPDES Regulation 401 KAR 5:065, Section 1 will apply to all discharges authorized by this permit.

This permit has been issued under the provisions of KRS Chapter 224 and regulations promulgated pursuant thereto. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits or licenses required by this Cabinet and other state, federal, and local agencies.

It is the responsibility of the permittee to demonstrate compliance with permit parameter limitations by utilization of sufficiently sensitive analytical methods.

PART III

OTHER REQUIREMENTS

A. Reporting of Monitoring Results

Monitoring results obtained during each quarter must be summarized and reported on a preprinted Discharge Monitoring Report (DMR) Form that will be mailed to you. Each quarter's completed DMR must be mailed to the Division of Water at the address listed below (with a copy to the appropriate Regional Office) postmarked no later than the 28th day of the month following the completed quarter.

Kentucky Division of Water
KPDES Branch
Inventory and Data Management Section
14 Reilly Road
Frankfort, Kentucky 40601

A copy of the completed DMRs shall also be submitted to the appropriate Division of Water Regional Office and must be postmarked no later than the 28th day of the month following the completed quarter. A list of Division of Water Regional Offices and the counties that they serve is included as Attachment A.

B. Records Retention

The permittee shall retain records of all monitoring information including: sampling dates and times, sampling methods used, persons obtaining samples or measurements, analyses dates and times, persons performing analyses, and results of analyses and measurements. Records shall be maintained for at least three (3) years or longer if there is unresolved litigation or if requested by the Division of Water. These records may be retained at KYTC District Offices. However, within 48 hours of notice by the KDOW, these records shall be compiled and be made available at the individual facilities.

C. Reopener Clause

This permit shall be modified, or alternatively revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under 401 KAR 5:050 through 5:080 and KRS 224.70-120 if the effluent standard or limitation so issued or approved:

1. Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or

2. Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of KRS Chapter 224 when applicable.

D. Individual Permits

1. Any permittee authorized by this permit may request to be excluded from the coverage of this general permit by applying for an individual permit. The permittee shall submit the appropriate KPDES application forms together with the reasons supporting the request to the Division of Water.

2. When an individual KPDES permit is issued to a permittee otherwise subject to this general permit, the applicability of this permit to that owner or permittee is automatically terminated on the effective date of the individual permit.

3. Facilities that discharge into a surface water which has been classified as a High Quality or Outstanding Resource Water will be required to submit an application for an individual KPDES permit in accordance with Part 1.D.b of the fact sheet.

E. Detection Limits

The permittee shall be deemed to be in compliance with any permit limitation which is below the detection limit of the pollutant if the permittee records that the discharge level of the pollutant in question is below the detection limit as required by 40 CFR Part 136.

F. Construction

No water and/or wastewater treatment facility shall be constructed, including additions or modifications to existing treatment facilities, without having received approval from the Division. Additional information concerning necessary permits/approvals for construction projects may be obtained from:

Kentucky Division of Water
KPDES Branch
Inventory and Data Management Section
14 Reilly Road
Frankfort, Kentucky 40601
(502) 564-3410

PART IV

BEST MANAGEMENT PRACTICES

SECTION A. GENERAL CONDITIONS

1. Applicability

These conditions apply to all permittees who use, manufacture, store, handle, or discharge any pollutant listed as: (1) toxic under Section 307(a)(1) of the Clean Water Act; (2) oil, as defined in Section 311(a)(1) of the Act; (3) any pollutant listed as hazardous under Section 311 of the Act; (4) is defined as a pollutant pursuant to KRS 224.01-010(35) and who have ancillary manufacturing operations which could result in (1) the release of a hazardous substance, pollutant, or contaminant, or (2) an environmental emergency, as defined in KRS 224.01-400, as amended, or any regulation promulgated pursuant thereto (hereinafter, the "BMP pollutants"). These operations include material storage areas; plant site runoff; in-plant transfer, process and material handling areas; loading and unloading operations, and sludge and waste disposal areas.

2. BMP Plan

The permittee shall develop and implement a Best Management Practices (BMP) plan consistent with 401 KAR 5:065, Section 2(10) pursuant to KRS 224.70-110, which prevents or minimizes the potential for the release of "BMP pollutants" from ancillary activities through plant site runoff; spillage or leaks, sludge or waste disposal; or drainage from raw material storage. A Best Management Practices (BMP) plan will be prepared by the permittee unless the permittee can demonstrate through the submission of a BMP outline that the elements and intent of the BMP have been fulfilled through the use of existing plans such as the Spill Prevention Control and Countermeasure (SPCC) plans, contingency plans, and other applicable documents.

3. Implementation

If this is the first time for the BMP requirement, the plan shall be developed and submitted to the Division of Water within 90 days of the effective date of the permit. Implementation shall be within 180 days of that submission. For permit renewals, the plan in effect at the time of permit reissuance shall remain in effect. Modifications to the plan as a result of ineffectiveness or plan changes to the facility shall be submitted to the Division of Water and implemented as soon as possible.

4. General Requirements

The BMP plan shall:

a. Be documented in narrative form, and shall include any necessary plot plans, drawings, or maps.

b. Establish specific objectives for the control of toxic and hazardous pollutants.

(1) Each facility component or system shall be examined for its potential for causing a release of "BMP pollutants" due to equipment failure, improper operation, natural phenomena such as rain or snowfall, etc.

(2) Where experience indicates a reasonable potential for equipment failure (e.g., a tank overflow or leakage), natural condition (e.g., precipitation), or other circumstances which could result in a release of "BMP pollutants," the plan should include a prediction of the direction, rate of flow and total quantity of the pollutants which could be released from the facility as result of each condition or circumstance.

c. Establish specific best management practices to meet the objectives identified under paragraph b of this section, addressing each component or system capable of causing a release of "BMP pollutants."

d. Include any special conditions established in part b of this section.

e. Be reviewed by plant engineering staff and the plant manager.

5. Specific Requirements

The plan shall be consistent with the general guidance contained in the publication entitled "NPDES Best Management Practices Guidance Document" and shall include the following baseline BMPs as a minimum.

a. BMP Committee
b. Reporting of BMP Incidents
c. Risk Identification and Assessment
d. Employee Training
e. Inspections and Records
f. Preventive Maintenance
g. Good Housekeeping
h. Materials Compatibility
i. Security
j. Materials Inventory

6. SPCC Plans

The BMP plan may reflect requirements for Spill Prevention Control and Countermeasure (SPCC) plans under Section 311 of the Act and 40 CFR Part 151, and may incorporate any part of such plans into the BMP plan by reference.

7. Hazardous Waste Management

The permittee shall assure the proper management of solids and hazardous waste in accordance with the regulations promulgated under the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1978 (RCRA) (40 U.S.C. 6901 et seq.) Management practices required under RCRA regulations shall be referenced in the BMP plan.

8. Documentation

The permittee shall maintain a description of the BMP plan at the facility and shall make the plan available upon request to NREPC personnel. Initial copies and modifications thereof shall be sent to the following addresses when required by Section 3:

Division of Water
Regional Field Offices
See ATTACHMENT A for Addresses

Kentucky Natural Resources and
Environmental Protection Cabinet
Dept. for Environmental Protection
Division of Water/KPDES Branch
14 Reilly Road, Frankfort Office Park
Frankfort, Kentucky 40601

9. BMP Plan Modification

The permittee shall amend the BMP plan whenever there is a change in the facility or change in the operation of the facility which materially increases the potential for the ancillary activities to result in the release of "BMP pollutants."

10. Modification for Ineffectiveness

If the BMP plan proves to be ineffective in achieving the general objective of preventing the release of "BMP pollutants," then the specific objectives and requirements under paragraphs b and c of Section 4, the permit, and/or the BMP plan shall be subject to modification to incorporate revised BMP requirements. If at any time following the issuance of this permit the BMP plan is found to be inadequate pursuant to a state or federal site inspection or plan review, the plan shall be modified to incorporate such changes necessary to resolve the concerns.

SECTION B. SPECIFIC CONDITIONS

Periodically Discharged Wastewaters Not Specifically Covered by Effluent Conditions
The permittee shall include in this BMP plan procedures and controls necessary for the handling of periodically discharged wastewaters such as intake screen backwash, meter calibration, fire protection, hydrostatic testing water, water associated with demolition projects, etc.

Attachment A

Regional Office Listing

Bowling Green Regional Office
1508 Westen Avenue
Bowling Green, Kentucky 42104
(270) 746-7475 Fax (270) 746-7865

Allen	Grayson	Simpson
Barren	Hart	Warren
Butler	Logan	
Edmonson	Ohio	

London Regional Office
875 South Main Street
London, Kentucky 40741
(606) 878-0157 Fax (606) 877-9091

Bell	Knox	Owsley
Clay	Laurel	Rockcastle
Harlan	Leslie	Whitley
Jackson	McCreary	

Columbia Regional Office
102 Burkesville Street
Columbia, Kentucky 42728
(270) 384-4734 Fax (270) 384-5199

Adair	LaRue	Pulaski
Boyle	Lincoln	Russell
Casey	Marion	Taylor
Clinton	Metcalfe	Washington
Cumberland	Monroe	Wayne
Green	Nelson	

Louisville Regional Office
9116 Leesgate Road
Louisville, Kentucky 40222-5084
(502) 425-4671 Fax (502) 425-4471

Breckinridge	Meade
Bullitt	Oldham
Hardin	Shelby
Jefferson	Spencer

Florence Regional Office
8020 Veterans Memorial Drive, Suite 110
Florence, Kentucky 41042
(859) 525-4923 Fax (859) 525-4157

Boone	Gallatin	Owen
Bracken	Grant	Pendleton
Campbell	Henry	Trimble
Carroll	Kenton	

Madisonville Regional Office
Madisonville State Office Building
625 Hospital Drive
Madisonville, Kentucky 42431-1683
(270) 824-7529 Fax (270) 824-7070

Caldwell	Hancock	Muhlenberg
Christian	Henderson	Todd
Crittenden	Hopkins	Union
Daviess	McLean	Webster

Frankfort Regional Office
643 Teton Trail, Suite B
Frankfort, Kentucky 40601
(502) 564-3358 Fax (502) 564-5043

Anderson	Franklin	Mercer	Scott
Bourbon	Garrard	Montgomery	Woodford
Clark	Harrison	Nicholas	
Estill	Jessamine	Powell	
Fayette	Madison	Robertson	

Morehead Regional Office
200 Christy Creek Road, Suite 2
Morehead, Kentucky 40351
(606) 784-6635 Fax (606) 784-4544

Bath	Fleming	Mason
Boyd	Greenup	Menifee
Carter	Lawrence	Morgan
Elliott	Lewis	Rowan

Hazard Regional Office
233 Birch Street, Suite 1
Hazard, Kentucky 41701
(606) 435-6022 Fax (606) 435-6025

Breathitt	Knott	Magoffin	Pike
Floyd	Lee	Martin	Wolfe
Johnson	Letcher	Perry	

Paducah Regional Office
4500 Clarks River Road
Paducah, Kentucky 42003
(270) 898-8468 Fax (270) 898-8640

Ballard	Fulton	Livingston	Marshall
Calloway	Graves	Lyon	Trigg
Carlisle	Hickman	McCracken	

HENRY C. LIST
SECRETARY

PAUL E. PATTON
GOVERNOR

COMMONWEALTH OF KENTUCKY
NATURAL RESOURCES AND ENVIRONMENTAL PROTECTION CABINET
DEPARTMENT FOR ENVIRONMENTAL PROTECTION
FRANKFORT OFFICE PARK
14 REILLY RD
FRANKFORT KY 40601

FACT SHEET

GENERAL KPDES PERMIT FOR STORM WATER POINT SOURCES FROM HIGHWAY MAINTENANCE AND EQUIPMENT FACILITIES

KPDES No.: KYG500000 **Date:** January 15, 2003

1. COVERAGE UNDER THIS PERMIT

A. Permit Coverage Area

This permit covers all areas of the Commonwealth of Kentucky.

B. Discharges Eligible for Coverage

This permit covers all new and existing storm water discharges from highway maintenance and equipment facilities, except those identified in Part 1.C.

C. Limitations on Coverage

The following highway maintenance and equipment facilities storm water discharges are not authorized by this permit:

1. Discharges that are subject to an existing individual KPDES permit or are issued a permit in accordance with Part 1.D.b. Such discharges may be authorized under this permit after an existing permit expires, provided the existing permit did not establish more strict numeric limitations.

2. Discharges that the Director has determined to be, or may reasonably be, expected to be contributing to a violation of a water quality standard.

3. Storm water discharges that would adversely effect a listed endangered or threatened species or its critical habitat or discharges to high quality waters.

4. Discharges that may contain spent solvents from equipment degreasing and servicing.

5. Discharges of storm water from the areas that are used to store electrical equipment and transformers that may contain PCBs.

6. Discharges that may contain wastewater from cleaning up of pesticides, fertilizers, and paint preparation.

vb

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D. Authorization

1. The highway maintenance and equipment facilities must submit a Notice of Intent (NOI) in accordance with the requirements of Part 2.A to be authorized to discharge under this general permit.

   a. Unless notified by the Director to the contrary, facilities that submit such notification are authorized to discharge their storm water under the terms and conditions of this permit upon receipt of written notification of coverage from the Division.

   b. The Director may deny coverage under this permit and require submittal of an application for an individual KPDES permit based on a review of the NOI and/or other information.

2. GENERAL PERMIT COVERAGE REQUIREMENTS

A. NOI Submittal

1. New or existing unpermitted facilities/dischargers desiring to discharge storm water runoff must submit an NOI prior to the commencement of the activity at the facility. Existing permitted facilities shall submit an NOI prior to an application for reissuance of an expiring individual permit becoming due. See attached NOI.

2. When the ownership of a facility with a wastewater discharge covered by this permit changes, the new owner or operator of the facility must submit an NOI in accordance with the requirements of this permit at least 48 hours prior to the change.

3. Signed copies of the NOI and an attached USGS topographical map with the discharge location marked must be submitted to the following address:

Kentucky Division of Water
KPDES Branch
Inventory and Data Management Section
14 Reilly Road
Frankfort Office Park
Frankfort, Kentucky 40601

B. Renotification

Upon reissuance of a new general permit, the permittee is not required to notify the Director of his intent to be covered by the new general permit.

C. Notice of Termination

In the event of elimination of all storm water discharges authorized by this permit, the owner or operator of the facility must submit a Notice of Termination (NOT) in order to terminate coverage under this permit and nullify its requirements. The NOT is to be sent to the address listed above. See attached NOT.

3. PROPOSED LIMITATIONS

Storm Water Runoffs from Highway Maintenance and Equipment Facilities.

Description of Discharge	Effluent Characteristics	Proposed Limits Monthly Average	Proposed Limits Daily Maximum	Applicable Water Quality Criteria and/or Effluent Guidelines
Storm water runoff from the asphalt millings, limestone gravel, salt and cold mix stockpiles	Flow (MGD)	Report	Report	401 KAR 5:065, Section 2(8)
	Total Suspended Solids	Report	Report	401 KAR 5:065, Section 2(8)
	Oil & Grease	10 mg/l	15 mg/l	401 KAR 5:080, Section 1(2)(c)2
	Chlorides	N/A	1200 mg/l	401 KAR 5:031, Section 4(1)(h)5
	pH (standard units)	within range of 6-9		401 KAR 5:031, Section 4(1)(b)

4. METHODOLOGY USED IN DETERMINING LIMITATIONS

A. Justification of Limits for Storm Water Discharges

Flow and Total Suspended Solids
The monitoring requirements for these parameters are consistent with 401 KAR 5:065, Section 2(8)

Oil & Grease
The limitations for this parameter are based on the Permit Writer's "Best Professional Judgement" (BPJ) of the "Best Conventional Pollutant Control Technology" (BCT) consistent with 401 KAR 5:080, Section 1(2)(c)2, pursuant to KRS 224.70-100, 224.10-100, and 224.70-110.

pH
The limitations for this parameter are consistent with 401 KAR 5:031, Section 4, pursuant to KRS 224.70-100, 224.10-100, and 224.70-110.

Chlorides
The limitations for this parameter are consistent with 401 KAR 5:031, Section 4(1)(h)(5), pursuant to KRS 224.70-100 and 224.70-110.

Best Management Practices (BMP) Plan:

The requirements for a BMP plan is consistent with the requirements of 401 KAR 5:065, Section 2(10).

B. Monitoring Requirements

Parameter	Frequency	Sample Type
Flow	1/Quarter	Instantaneous
Total Suspended Solids	1/Quarter	Grab
Oil & Grease	1/Quarter	Grab
Chlorides	1/Quarter	Grab
pH	1/Quarter	Grab

5. COMPLIANCE SCHEDULE FOR ATTAINING EFFLUENT LIMITATIONS

The permittee shall attain compliance with the permit conditions upon notification of coverage under this general permit.

6. PERMIT DURATION

Five (5) years.

7. THE PERMIT INFORMATION

The application, draft permit, fact sheet, public notice, comments received, and additional information is available from the Division of Water at 14 Reilly Road, Frankfort Office Park, Frankfort, Kentucky 40601.

8. REFERENCES AND CITED DOCUMENTS

All material and documents referenced or cited in this fact sheet are a part of the permit information as described in above and are readily available at the Division of Water Central Office. Information regarding these materials may be obtained from the person listed below.

9. **CONTACT**

For further information contact the individual identified on the Public Notice or the Permit Writer - Mahmoud Sartipi at (502) 564-2225, extension 446 or e-mail Mahmoud.Sartipi@mail.state.ky.us.

10. **PUBLIC NOTICE INFORMATION**

Please refer to the attached Public Notice for details regarding the procedures for a final permit decision, deadline for comments, and other information required by KAR 5:075, Section 4(2)(e).