

Appendix A

City of Little Rock and ARDOT District VI NPDES Permit

Permit number: ARS000002

AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM AND THE ARKANSAS WATER AND AIR POLLUTION CONTROL ACT

In accordance with the provisions of the Arkansas Water and Air Pollution Control Act (Act 472 of 1949, as amended, Ark. Code Ann. 8-4-101 et seq.), and the Clean Water Act (33 U.S.C. 1251 et seq.),

City of Little Rock
701 West Markham
Little Rock, AR 72201

Arkansas State Highway &
Transportation Department
P.O. Box 2261
Little Rock, AR 72203-2261

are authorized to discharge

From all portions of the municipal separate storm sewer system (MS4) within the city boundaries of Little Rock, Arkansas, and owned or operated by any co-permittee listed above.

to receiving waters named:

various tributaries, then to the Arkansas River in segment 3C of the Arkansas River Basin.

The representative outfalls for sampling purposes are located at the following coordinates:

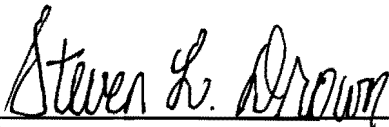
Outfall 001: Latitude: 34° 44' 30"; Longitude: 92° 20' 30"
Outfall 002: Latitude: 34° 43' 30"; Longitude: 92° 21' 30"
Outfall 003: Latitude: 34° 45' 15"; Longitude: 92° 26' 00"
Outfall 005: Latitude: 34° 44' 00"; Longitude: 92° 14' 30"
Outfall 006: Latitude: 34° 42' 00"; Longitude: 92° 15' 36"

in accordance with monitoring requirements and other conditions set forth in this permit.

Effective Date: April 1, 2012

Modification Effective Date: March 1, 2013

Expiration Date: March 31, 2017



Steven L. Drown
Chief, Water Division
Arkansas Department of Environmental Quality



Issue Date

PART 1
PERMIT REQUIREMENTS

SECTION A: PARAMETERS AND MONITORING REQUIREMENTS: OUTFALL 001- stormwater runoff

During the period beginning on the effective date and lasting through date of expiration, the co-permittees shall monitor discharges from outfall serial number 001. Such discharges shall be monitored by the co-permittees as specified below:

Parameters	Limitations		Monitoring Requirement	
	Average	Maximum	Sample Type	Monitoring Frequency
Flow (MGD)	REPORT	REPORT	Calculated ²	Quarterly ¹
Biochemical Oxygen Demand (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Suspended Solids (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Dissolved Solids (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Nitrate+Nitrite Nitrogen (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Dissolved Phosphorus (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Oil & Grease (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Cadmium (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Copper (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Lead (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Zinc (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Silver (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Hardness (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
E. Coli Bacteria (colonies/100 ml)	REPORT	REPORT	Grab	Quarterly ¹
Enterococcus Fecal (colonies/100 ml)	REPORT	REPORT	Grab	Quarterly ¹
pH (s.u.)	6.0 Minimum	9.0 Maximum	Grab	Quarterly ¹

1 Quarterly Monitoring periods are June 1-August 31, September 1-November 30, December 1-February 28, and March 1-May 31.

2 Calculate Flow: the flow is calculated using the cross sectional area multiplied by the velocity of the water.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at outfall 001 (monitoring location at University Ave. and I-630).

PART I
PERMIT REQUIREMENTS

SECTION A: PARAMETERS AND MONITORING REQUIREMENTS: OUTFALL 002- stormwater runoff

During the period beginning on the effective date and lasting through date of expiration, the co-permittees shall monitor discharges from outfall serial number 002. Such discharges shall be monitored by the co-permittees as specified below:

Parameters	Limitations		Monitoring Requirement	
	Average	Maximum	Sample Type	Monitoring Frequency
Flow (MGD)	REPORT	REPORT	Calculated ²	Quarterly ¹
Biochemical Oxygen Demand (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Suspended Solids (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Dissolved Solids (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Nitrate+Nitrite Nitrogen (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Dissolved Phosphorus (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Oil & Grease (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Cadmium (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Copper (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Lead (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Zinc (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Silver (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Hardness (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
E. Coli Bacteria (colonies/100 ml)	REPORT	REPORT	Grab	Quarterly ¹
Enterococcus Fecal (colonies/100 ml)	REPORT	REPORT	Grab	Quarterly ¹
pH (s.u.)	6.0 Minimum	9.0 Maximum	Grab	Quarterly ¹

¹ Quarterly Monitoring periods are June 1-August 31, September 1-November 30, December 1-February 28, and March 1-May 31.

² Calculate Flow: the flow is calculated using the cross sectional area multiplied by the velocity of the water.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at outfall 002 (monitoring location at 33rd Street and Whitfield Street).

PART I
PERMIT REQUIREMENTS

SECTION A: PARAMETERS AND MONITORING REQUIREMENTS: OUTFALL 003- stormwater runoff

During the period beginning on the effective date and lasting through date of expiration, the co-permittees shall monitor discharges from outfall serial number 003. Such discharges shall be monitored by the co-permittees as specified below:

Parameters	Limitations		Monitoring Requirement	
	Average	Maximum	Sample Type	Monitoring Frequency
Flow (MGD)	REPORT	REPORT	Calculated ²	Quarterly ¹
Biochemical Oxygen Demand (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Suspended Solids (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Dissolved Solids (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Nitrate+Nitrite Nitrogen (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Dissolved Phosphorus (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Oil & Grease (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Cadmium (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Copper (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Lead (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Zinc (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Silver (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Hardness (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
E. Coli Bacteria (colonies/100 ml)	REPORT	REPORT	Grab	Quarterly ¹
Enterococcus Fecal (colonies/100 ml)	REPORT	REPORT	Grab	Quarterly ¹
pH (s.u.)	6.0 Minimum	9.0 Maximum	Grab	Quarterly ¹

1 Quarterly Monitoring periods are June 1-August 31, September 1-November 30, December 1-February 28, and March 1-May 31.

2 Calculate Flow: the flow is calculated using the cross sectional area multiplied by the velocity of the water.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at the outfall 003 (monitoring location at Chenal Parkway and Oak Meadow Street).

PART I
PERMIT REQUIREMENTS

SECTION A: PARAMETERS AND MONITORING REQUIREMENTS: OUTFALL 005- stormwater runoff

During the period beginning on the effective date and lasting through date of expiration, the co-permittees shall monitor discharges from outfall serial number 005. Such discharges shall be limited and monitored by the co-permittees as specified below:

Parameters	Limitations		Monitoring Requirement	
	Average	Maximum	Sample Type	Monitoring Frequency
Flow (MGD)	REPORT	REPORT	Calculated ²	Quarterly ¹
Biochemical Oxygen Demand (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Suspended Solids (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Dissolved Solids (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Nitrate+Nitrite Nitrogen (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Dissolved Phosphorus (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Oil & Grease (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Cadmium (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Copper (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Lead (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Zinc (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Silver (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Hardness (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
E. Coli Bacteria (colonies/100 ml)	REPORT	REPORT	Grab	Quarterly ¹
Enterococcus Fecal (colonies/100 ml)	REPORT	REPORT	Grab	Quarterly ¹
pH (s.u.)	6.0 Minimum	9.0 Maximum	Grab	Quarterly ¹

1 Quarterly Monitoring periods are June 1-August 31, September 1-November 30, December 1-February 28, and March 1-May 31.

2 Calculate Flow: the flow is calculated using the cross sectional area multiplied by the velocity of the water.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at the outfall 005 (monitoring location at 14th Street and Bond Street).

PART I
PERMIT REQUIREMENTS

SECTION A: PARAMETERS AND MONITORING REQUIREMENTS: OUTFALL 006- stormwater runoff

During the period beginning on the effective date and lasting through date of expiration, the co-permittees shall monitor discharges from outfall serial number 006. Such discharges shall be limited and monitored by the co-permittees as specified below:

Parameters	Limitations		Monitoring Requirement	
	Average	Maximum	Sample Type	Monitoring Frequency
Flow (MGD)	REPORT	REPORT	Calculated ²	Quarterly ¹
Biochemical Oxygen Demand (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Suspended Solids (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Dissolved Solids (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Nitrate+Nitrite Nitrogen (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Dissolved Phosphorus (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Oil & Grease (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Cadmium (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Copper (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Lead (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Zinc (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Total Silver (ug/l)	REPORT	REPORT	Grab	Quarterly ¹
Hardness (mg/l)	REPORT	REPORT	Grab	Quarterly ¹
E. Coli Bacteria (colonies/100 ml)	REPORT	REPORT	Grab	Quarterly ¹
Enterococcus Fecal (colonies/100 ml)	REPORT	REPORT	Grab	Quarterly ¹
pH (s.u.)	6.0 Minimum	9.0 Maximum	Grab	Quarterly ¹

¹ Quarterly Monitoring periods are June 1-August 31, September 1-November 30, December 1-February 28, and March 1-May 31.

² Calculate Flow: the flow is calculated using the cross sectional area multiplied by the velocity of the water.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): at the outfall 006 (monitoring location at Gillam Park Road).

Part 2
Schedule of Compliance

The co-permittees shall achieve compliance with permit conditions specified for discharges in accordance with the following schedule:

- 2.1 The co-permittees shall submit an updated Stormwater Quality Management Program (SWQMP) no later than six (6) months from, the effective date of this permit.
- 2.2 The co-permittees shall submit an annual report as discussed in Part 6.9.

Part 3

General Conditions

3.1 Duty to Comply

The co-permittees must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the federal Clean Water Act and the Arkansas Water and Air Pollution Control Act and is grounds for enforcement action; for permit termination, revocation and re-issuance, or modification; or for denial of a permit renewal application. **Any values reported in the required Discharge Monitoring Report which are in excess of an effluent limitation specified in Part 1 shall constitute evidence of violation of such effluent limitation and of this permit.**

3.2 Penalties for Violations of Permit Conditions

The Arkansas Water and Air Pollution Control Act provides that any person who violates any provisions of a permit issued under the Act shall be guilty of a misdemeanor and upon conviction thereof shall be subject to imprisonment for not more than one (1) year, or a fine of not more than twenty-five thousand dollars (\$25,000) or by both such fine and imprisonment for each day of such violation. Any person who violates any provision of a permit issued under the Act may also be subject to civil penalty in such amount as the court shall find appropriate, not to exceed ten thousand dollars (\$10,000) for each day of such violation. The fact that any such violation may constitute a misdemeanor shall not be a bar to the maintenance of such civil action.

3.3 Permit Actions

This permit may be modified, revoked and reissued, or terminated for cause including, but not limited to the following:

- 3.3.1 Violation of any terms or conditions of this permit; or
- 3.3.2 Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- 3.3.3 A change in any conditions that requires either a temporary or permanent reduction or elimination of the authorized discharge; or
- 3.3.4 A determination that the permitted activity endangers human health or the environment and can only be regulated to acceptable levels by permit modification or termination.
- 3.3.5 Failure of the co-permittees to comply with the provisions of APCEC Regulation No. 9 (Permit fees) as required by condition 3.10 herein.

The filing of a request by the co-permittees for a permit modification, revocation and re-issuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

3.4 Toxic Pollutants

Notwithstanding Part 3.3., if any toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is promulgated under Regulation No. 2, as amended, (regulation establishing water quality standards for surface waters of the State of Arkansas) or Section 307(a) of the Clean Water Act for a toxic pollutant which is present in the discharge and that

standard or prohibition is more stringent than any limitations on the pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standards or prohibition and the co-permittees so notified.

The co-permittees shall comply with effluent standards, narrative criteria, or prohibitions established under Regulation No. 2 (Arkansas Water Quality Standards), as amended, or Section 307 (a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

3.5 **Civil and Criminal Liability**

Nothing in this permit shall be construed to relieve the co-permittees from civil or criminal penalties for noncompliance. Any false or materially misleading representation or concealment of information required to be reported by the provisions of this permit or applicable state and federal statutes or regulations which defeats the regulatory purposes of the permit may subject the co-permittees to criminal enforcement pursuant to the Arkansas Water and Air Pollution Control Act (Act 472 of 1949, as amended).

3.6 **Oil and Hazardous Substance Liability**

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the co-permittees from any responsibilities, liabilities, or penalties to which the co-permittees are or may be subject under Section 311 of the Clean Water Act.

3.7 **State Laws**

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the co-permittees from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Clean Water Act.

3.8 **Property Rights**

The issuance of this permit does not convey any property rights of any sort, or any exclusive privileges, nor does it authorize any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

3.9 **Severability**

The provisions of this permit are severable, and if any provision of this permit, or the application of any provisions of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

3.10 **Permit Fees**

The co-permittees shall comply with all applicable permit fee requirements for stormwater discharge permits as described in APCEC Regulation No. 9 (Regulation for the Fee System for Environmental Permits). Failure to promptly remit all required fees shall be grounds for the Director to initiate action to terminate this permit under the provisions of 40 CFR 122.64 and 124.5 (d), as adopted in APCEC Regulation No. 6 and the provisions of APCEC Regulation No. 8.

3.11 **Removed Substances**

Solids or other pollutants removed by stormwater controls shall be disposed of in a manner such as to prevent any pollutant from such materials from entering the waters of the state. Disposal must be in accordance with the stormwater quality management program.

3.12 **Applicable Federal, State & Local Requirements**

Permittees are responsible for compliance with all applicable terms and conditions of this permit. Receipt of this permit does not relieve any operator of the responsibility to comply with any other applicable federal such as endangered species, state or local statute, ordinance or regulation.

3.13 **Reopen Permit**

Pursuant to 40 C.F.R. §§ 122.62, 122.64, and 124.5, this permit may be reopened for modification or revocation and/or reissuance.

Part 4

Monitoring and Records

4.1 Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge during the entire monitoring period. All samples shall be taken at the monitoring points specified in this permit and, unless otherwise specified, before the effluent joins or is diluted by any other waste stream, body of water, or substance. Monitoring points shall not be changed without notification to and the approval of the Director. Intermittent discharges shall be monitored.

4.2 Calculated Flow Measurement

Appropriate flow measurement devices and/or methods consistent with accepted scientific practices shall be selected and used to insure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be calibrated and maintained to insure the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than +/- 10% from true discharge rates throughout the range of expected discharge volumes and shall be installed at the monitoring point of the discharge. The devices and/or methods used to measure the flow must be included in detail in the permittee's Management Plan.

4.3 Monitoring Procedures

Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit. The co-permittees shall calibrate and perform maintenance procedures on all monitoring and analytical instrumentation at intervals frequent enough to insure accuracy of measurements and shall insure that both calibration and maintenance activities will be conducted. An adequate analytical quality control program, including the analysis of sufficient standards, spikes, and duplicate samples to insure the accuracy of all required analytical results shall be maintained by the co-permittees or designated commercial laboratory. At a minimum, spikes and duplicate samples are to be analyzed on 10% of the samples.

4.4 Penalties for Tampering

The Arkansas Water and Air Pollution Control Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under the Act shall be guilty of a misdemeanor and upon conviction thereof shall be subject to imprisonment for not more than one (1) year or a fine of not more than ten thousand dollars (\$10,000) or by both such fine and imprisonment.

4.5 **Reporting of Monitoring Results**

Monitoring results must be reported on a Discharge Monitoring Report (DMR) form. Co-permittees are required to use preprinted DMR forms provided by ADEQ, unless specific written authorization to use other reporting forms is obtained from ADEQ. Monitoring results obtained during the previous calendar month shall be summarized and reported on a DMR form postmarked no later than the 25th day of the month, following the completed reporting period to begin on the effective date of the permit. Duplicate copies of DMR's signed and certified as required by Part 5.8 and all other reports required by Part 5 (Reporting Requirements), shall be submitted to the Director at the following address:

Enforcement Branch
Water Division
Arkansas Department of Environmental Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317

If co-permittees use outside laboratory facilities for sampling and/or analysis, the name and address of the contract laboratory shall be included on the DMR.

4.6 **Additional Monitoring by the Co-permittees**

If the co-permittees monitor any pollutant more frequently than required by this permit, using test procedures approved under 40 CFR 136 or as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR. Such increased frequency shall also be indicated on the DMR.

4.7 **Retention of Records**

The co-permittees shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by request of the Director at any time.

4.8 **Record Contents**

Records and monitoring information shall include:

- 4.8.1 The date, exact place, time and methods of sampling or measurements, and preservatives used, if any;
- 4.8.2 The individuals(s) who performed the sampling or measurements;
- 4.8.3 The date(s) analyses were formed;
- 4.8.4 The individual(s) who performed the analyses;

- 4.8.5 The analytical techniques or methods used; and
- 4.8.6 The measurements and results of such analyses.

4.9 **Inspection and Entry**

The co-permittees shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

- 4.9.1. Enter upon the co-permittees' premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- 4.9.2. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- 4.9.3. Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit, and
- 4.9.4. Sample, inspect or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

Part 5

Reporting Requirements

5.1 Anticipated Noncompliance

The co-permittees shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

5.2 Transfers

The permit is nontransferable to any person except after notice to the Director. The Director may require modification or revocation and re-issuance of the permit to change the name of the co-permittees and incorporate such other requirements as may be necessary under the Act.

5.3 Monitoring Reports

Monitoring results shall be reported at the intervals and in the form specified in Part 4.5 (Reporting). **Discharge Monitoring Reports must be submitted even when no discharge occurs during the reporting period.**

5.4 Twenty-four Hour Report

5.4.1 The co-permittees shall report any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the co-permittees becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the co-permittees becomes aware of the circumstances. The written submission shall contain the following information:

- 5.4.1.1 a description of the noncompliance and its cause;
- 5.4.1.2 the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and
- 5.4.1.3 steps taken or planned to reduce, eliminate and prevent reoccurrence of the noncompliance.

5.4.2 The following shall be included as information which must be reported within 24 hours: Violation of a maximum daily discharge limitation for any of the pollutants listed by the Director in Part I of the permit to be reported within 24 hours.

5.4.3 The Director may waive the written report on a case-by-case basis if the oral report has been received within 24 hours.

5.5 Other Noncompliance

The co-permittees shall report all instances of noncompliance not reported under Part 5.3 and 5.4 at the time monitoring reports are submitted. The reports shall contain the information listed at Part 5.4.

5.6 **Duty to Provide Information**

The co-permittees shall furnish to the Director, within a reasonable 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 co-permittees shall also furnish to the Director, upon request, copies of records required to be kept by this permit. Information shall be submitted in the form, manner and time frame requested by the Director.

5.7 **Duty to reapply**

If the co-permittees wish to continue an activity regulated by this permit after the expiration date of this permit, the co-permittees must apply for and obtain a new permit. The complete application shall be submitted at least 180 days before the expiration date of this permit. The Director may grant permission to submit an application less than 180 days in advance but no later than the permit expiration date. Continuation of expiring permits shall be governed by regulations promulgated in APCEC Regulation No. 6.

5.8 **Signatory Requirements**

All applications, reports or information submitted to the Director shall be signed and certified.

5.8.1 All permit applications shall be signed as follows:

For a municipality, State, Federal, or other public agency; by either a principal executive officer or ranking elected official. For purposes of this section, a principal executive officer of a Federal agency includes:

5.8.1.1 The chief executive officer of the agency, or

5.8.1.2 A senior executive officer having responsibility for the overall operations of a principal geographic unit of the agency.

5.8.2 All reports required by the permit and other information requested by the Director shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

5.8.2.1 The authorization is made in writing by a person described above.

5.8.2.2 The authorization specified either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, or position of equivalent responsibility. (A duly authorized representative may thus be either a named individual or any individual occupying a named position); and

5.8.2.3 The written authorization is submitted to the Director.

5.8.3 Certification. Any person signing a document under this section shall make the following 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 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.”

5.9 **Availability of Reports**

Except for data determined to be confidential under 40 CFR Part 2 and Regulation 6, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Department of Environmental Quality. As required by the Regulations, the name and address of any permit applicant or co-permittee, permit applications, permits and effluent data shall not be considered confidential.

5.10 **Penalties for Falsification of Reports**

The Arkansas Air and Water Pollution Control Act provides that any person who knowingly makes any false statement, representation, or certification in any application, record, report, plan or other document filed or required to be maintained under this permit shall be subject to civil penalties specified in Part 3.2 and/or criminal penalties under the authority of the Arkansas Water and Air Pollution Control Act (Act 472 of 1949, as amended).

Part 6

Other Conditions

- 6.1 Pollution Prevention Requirements - The co-permittees shall develop, implement, and maintain a Stormwater Quality Management Program (SWQMP) and incorporate the following pollution prevention measures (PPMs):
- 6.1.1 The co-permittees shall ensure the establishment or availability of a program to collect used motor vehicle fluids for recycle or proper disposal. The program will identify locations where used vehicle fluids may be taken for recycling or disposal in accordance with state requirements. The City of Little Rock will publicize materials which can be recycled or disposed, times available to the public for using the facilities, and locations. The annual report shall include the amount of materials collected (weight or volume), the amount of money used for advertising, the method of advertising used to inform the public, and the overall cost of the program.
 - 6.1.2 The City of Little Rock shall ensure the establishment or availability of a program to collect household hazardous waste materials for recycle, reuse, or proper disposal. The amount of materials collected (weight or volume), the amount of money used for advertising, the method of advertising used to inform the public, and the overall cost of the program will be included in the annual report.
 - 6.1.3 Each co-permittee shall ensure the establishment of a program, including structural controls where determined by the co-permittees to be necessary, to reduce the discharge of floatables to the maximum extent practicable (MEP). The City of Little Rock will publicize on public television or local cable government access channel an announcement describing the need to improve stormwater runoff quality, how citizens can reduce the floatables and other pollutants discharged to the municipal storm sewer.
- 6.2 SWQMP System-Wide Requirements. The co-permittees shall operate a SWQMP in accordance with Section 402 (p)(3)(B) of the Clean Water Act, the Stormwater Regulations (40 CFR Part 122.26) and the approved SWQMPs submitted by the co-permittees. Controls and activities identified in the SWQMPs shall clearly identify areas of applicability on a system, jurisdiction, or specific area basis. The SWQMP shall include controls necessary to reduce the discharge of pollutants from the MS4 to the Maximum Extent Practicable (MEP) and protect water quality. Controls may consist of a combination of best management practices, control techniques, system design and engineering methods, and such other provisions as the co-permittees or the State determines appropriate. The SWQMP shall be updated as necessary to ensure conformance with this statutory requirement of Clean Water Act 402 (p)(3)(B). The SWQMP, and all approved updates, are hereby incorporated by reference and shall be implemented in a manner consistent with the following requirements:
- 6.2.1 Structural Controls: Each co-permittee shall operate and maintain any stormwater structural controls over which it has jurisdiction, in a manner so as to reduce the discharge of pollutants to the MEP. The co-permittees shall inspect the drainage system by the following schedule:

- 6.2.1.1 Arkansas State Highway and Transportation Department will inspect the drainage system for which it is responsible at least once/month. The inspections should include a schedule of maintenance for correcting deficiencies in the system.
- 6.2.1.2 The City of Little Rock will inspect 20 percent of the drainage system each year. The drainage system consists of curb and guttering, piping, and open ditches in the City of Little Rock right-of-way and public easements. Areas with recurring drainage problems shall be inspected more frequently. The City of Little Rock will also maintain and clean the ponds along Coleman Creek and within War Memorial Park. These ponds should be inspected twice per year.

- 6.2.2 Areas of New Development: Each co-permittee shall utilize a comprehensive master planning process to develop, implement, and enforce controls which will reduce, to the MEP, the discharge of pollutants from areas of new development and significant redevelopment after construction is completed. The City of Little Rock will require permanent controls, as required by the Little Rock Code of Ordinances, to be implemented at newly developed areas to control the increased volume of water that will be discharged.

The City of Little Rock shall notify construction sites disturbing (clearing, grading, or other construction activities) 1 or more acres within their MS4 boundary of the requirement to contact the Arkansas Department of Environmental Quality (ADEQ), Water Division, about the stormwater regulations and as how to obtain coverage under NPDES Construction Stormwater General Permit (ARR150000) and to develop a Stormwater Pollution Prevention Plan (SWPPP) and to install and maintain erosion and sediment control for the site prior to the start of construction. The City of Little Rock shall also notify sites that are over 5 acres or more within their MS4 boundary of the requirements that they must submit a Notice of Intent (NOI), permit fee and SWPPP to the Arkansas Department of Environmental Quality to obtain coverage under NPDES Construction Stormwater General Permit prior to the start of construction

- 6.2.3 Roadways: Each co-permittee shall operate and maintain public streets, roads, and highways for which they are responsible in a manner so as to reduce, to the Maximum Extent Practicable (MEP), the discharge of pollutants. The Arkansas State Highway and Transportation Department will sweep all State Highway routes within the City of Little Rock on which curbs and barrier walls are provided once per month. The City of Little Rock will sweep the Central Business District three times a week, one hundred fifty (150) miles of arterial street on which curbs and barrier walls are provided once per week, and the balance of the arterial streets on a monthly basis. Each co-permittee will keep records which will include the number of sweeper units used, amount of debris collected (weight or volume), and problem areas which contribute the highest volume of debris. The annual report shall contain the above information.
- 6.2.4 Flood Control Projects: Each co-permittee shall ensure any flood control project it undertakes assesses, and minimizes to the MEP, the impacts on water quality of receiving waters. All flood control projects will be reviewed by the City of Little Rock. The annual report shall contain a summary of any flood control projects that were reviewed during the reporting period.
- 6.2.5 Pesticide, Herbicide, and Fertilizer Application: The co-permittees shall implement BMPs to reduce to the maximum extent practicable pollutants in discharges from the co-permittees'

respective municipal separate storm sewers associated with the application, storage and disposal of pesticides, herbicides and fertilizer. Such BMPs shall include, at a minimum: (1) educational activities, permits, certifications and other measures for municipal applicators and distributors; (2) integrated pest management measures that rely on non-chemical solutions; (3) the use of native vegetation; (4) schedules for irrigation and chemical application; and (5) the collection and proper disposal of unused pesticides, herbicides, and fertilizers. All commercial applicators of pesticides, herbicides, and fertilizers under contract with each co-permittee within the City of Little Rock must be licensed by the Arkansas State Plant Board. The proper utilization of pesticides, herbicides and fertilizers is addressed in the City of Little Rock Vegetative Management Plan. The annual report shall contain a summary of any activities associated with pesticide, herbicide and fertilizer application.

6.2.6 Illicit Discharges and Improper Disposal: The City of Little Rock shall implement an ongoing program to detect and remove illicit discharges and improper disposal into the storm sewer. The City of Little Rock will continue to monitor for dry weather flows. The type of monitoring and findings shall be included in the annual report submitted to the Department.

6.2.6.1 The following categories of non-stormwater discharges are not prohibited unless the City of Little Rock or the Department identifies the discharge category as a significant source of pollutants to Waters of the State. For such a discharge category, the City of Little Rock shall either prohibit the discharge category or develop and implement appropriate control measures to reduce the discharge of pollutants to the Maximum Extent Practicable (MEP) and report to the Department.

- a. water line flushing;
- b. landscape irrigation;
- c. diverted stream flows;
- d. rising ground waters;
- e. uncontaminated ground water infiltration (as defined at 40 CFR 35.2005(20)) to separate storm sewers;
- f. uncontaminated pumped ground water;
- g. discharges from potable water sources;
- h. foundation drains;
- i. air conditioning condensate;
- j. irrigation water;
- k. springs;
- l. water from crawl space pumps;
- m. footing drains;
- n. lawn watering;
- o. individual residential car washing;
- p. flows from riparian habitats and wetlands;
- q. dechlorinated swimming pool discharges; and
- r. street wash waters.

Emergency fire-fighting flows (i.e., flows necessary for the protection of life or property) do not require BMPs. Each co-permittee shall address discharges or flows from fire-fighting only where such discharges or flows are identified as significant sources of

pollutants to waters of the United States.

6.2.6.2 The co-permittees shall effectively prohibit illicit discharges not otherwise allowed pursuant to **Section 6.2.6.1** (non-stormwater).

- a. The City of Little Rock shall require the operator of the sanitary sewer system to eliminate unpermitted discharges of dry and wet weather overflows from sanitary sewers into the MS4.
- b. The City of Little Rock shall require the operator of the sanitary sewer system to limit the infiltration from sanitary sewers into the MS4.
- c. The City of Little Rock shall prohibit the discharge of all used motor vehicle fluids and household hazardous waste into separate storm sewers.

6.2.6.3 The annual report shall include a list of illicit discharges that were found during the reporting period. This list shall include the following information at a minimum:

- a. the number of discharges;
- b. the nature of the discharge; and
- c. the outcome

6.2.7 Spill Prevention and Response: Each co-permittee shall implement a program to prevent, contain, and respond to spills that may discharge into the MS4. The co-permittees will have supervisory personnel trained for methods of containing spills. The Arkansas Department of Environmental Quality is to be notified immediately after a spill occurs. The criteria for containing and controlling a spill shall be addressed in the Stormwater Quality Management Program. The annual report shall include a summary of any spills and their appropriate responses that occurred within the reporting period.

6.2.8 Construction Site Runoff: Each co-permittee shall implement a program to reduce, to the MEP, the discharge of pollutants from construction sites, including:

- 6.2.8.1 Requirements for the use and maintenance of appropriate structural and nonstructural best management practices to reduce pollutant discharges to the MS4 during the time construction is underway;
- 6.2.8.2 procedures for site planning which incorporate considerations for potential short and long term water quality impacts and minimizes, to the MEP, these impacts;
- 6.2.8.3 inspection of construction sites and enforcement of control measures. The City of Little Rock will develop an inspection program which will include the inspection of at least two construction sites every two weeks. If the construction site is out of compliance with the conditions of the grading permit, a report describing the violation(s) and deadlines to correct the violation(s) shall be provided to the construction site permittee;
- 6.2.8.4 notification to building permit applicants of the NPDES permitting program for construction site runoff;
- 6.2.8.5 All new development meeting the threshold requirements of Chapter 29 of the Little Rock Code of Ordinances will obtain a grading permit from the City of Little Rock. Grading

permit applicants shall demonstrate that best management practices and controls will be implemented at proposed development sites to limit potential soil loss to no more than 5 tons per acre per year.

- 6.2.8.6 The annual report will include the number of permits issued, the total permitted acres of disturbed soil, and management practices which were used to achieve compliance with the 5 tons/ per acre per year soil loss tolerance. In addition, AHTD will continue to develop and make available standard details, specifications, and/or manuals identifying acceptable Best Management Practices that must be used on AHTD projects at construction sites which have more than one acre of disturbed soil, and the City of Little Rock will continue to develop and make available standard details, specifications, and/or manuals identifying acceptable Best Management Practices that must be used at construction sites in accordance with the requirements of Chapter 29 of the Little Rock Code of Ordinance.

- 6.3 Roles and Responsibilities. The SWQMP shall clearly identify the following roles and responsibilities of each co-permittee:

- 6.3.1 Operational jurisdiction over portions of the MS4;
- 6.3.2 Legal jurisdiction over areas contributing stormwater flows to the MS4;
- 6.3.3 Each co-permittee's responsibilities for ensuring implementation of SWQMP components.

6.4 Monitoring and Reporting Requirements

- 6.4.1 Representative Monitoring: Monitoring shall be conducted on representative outfalls, internal sampling stations, and/or in-stream monitoring locations to characterize the quality of stormwater discharges from the Municipal Separate Storm Sewer System.

- 6.4.1.1 Monitoring Requirements and Locations are described on Part 1 of the permit.
- 6.4.1.2 Alternate representative monitoring locations may be substituted for just cause during the term of the permit. Requests for approval of alternate monitoring locations shall be made to the Director in writing and include the rationale for the requested monitoring station relocation. Unless disapproved by the Director, use of the alternate monitoring location may commence 30 days from the date of the request.

- 6.4.2 Storm Event Data: Quantitative data shall be collected to estimate pollutant loadings and event mean concentrations for each parameter sampled. Records shall be maintained of all analytical results, the date and duration of the storm event sampled; rainfall measurements or estimates of the storm event which generated the sampled runoff; the duration between storm events sampled and the end of the previous measurable storm event; and an estimate of the total volume of the discharge sampled.

6.4.3 Sample Type, Collection, and Analysis

- 6.4.3.1 Grab Samples: Grab Samples shall be taken during the first two hours of discharge.
- 6.4.3.2 Representative Storm Events: Samples shall be collected from the discharge resulting from a storm event that is greater than 0.1 inches in magnitude and that occurs at least 72 hours from the previously measurable storm event.

6.4.4 Seasonal Loadings and Event Mean Concentrations: Data shall be maintained to provide estimates for each major outfall of seasonal pollutant loadings and event mean concentrations for a representative storm event for the parameters which the co-permittees must monitor. This information may be estimated from the monitoring results and shall take into consideration land uses and drainage areas for the outfall.

6.5 SWQMP Review and Modification

6.5.1 Program Review: The co-permittees shall participate in an annual review of the current SWQMP in conjunction with preparation of the annual report required under 6.9. This annual review shall include:

- 6.5.1.1 A review of the status of program implementation and compliance (or non-compliance) with all schedules of compliance contained in this permit;
- 6.5.1.2 An assessment of the effectiveness of controls established by the SWQMP;
- 6.5.1.3 A review of monitoring data and any trends in estimated cumulative annual pollutant loadings; and
- 6.5.1.4 An assessment of any SWQMP modifications needed to comply with the CWA 402 (p)(3)(B)(iii) requirement to reduce the discharge of pollutant to the Maximum Extent Practicable (MEP).

6.6 Implementation Process. As part of the SWQMP, each co-permittee shall implement a process to verify compliance with SWQMP requirements. The process shall include identification of the roles and responsibilities of various municipal departments in implementing the SWQMP requirements, as well as any other measures necessary for the implementation of SWQMP requirements.

6.7 Program Modification: The approved SWQMP shall not be modified by the co-permittees without the prior approval of the Director, unless in accordance with the items below:

- 6.7.1 Portions of the SWQMP not specifically required by 6.2 may be modified upon written notification to the permitting authority.
- 6.7.2 Modifications adding (but not subtracting or replacing) components, controls, or requirements to the approved SWQMP may be made by the co-permittees at any time upon written notification to the permitting authority.
- 6.7.3 Modifications made under this paragraph shall not become enforceable permit conditions until such time as the modifications are formally approved.
- 6.7.4 Modification requests and notifications shall be signed and shall include a certification that the co-permittees were given an opportunity to comment on proposed changes.

6.8 Modifications Required by the Permitting Authority:

6.8.1 The co-permittees must review and revise the City of Little Rock and Arkansas State Highway and Transportation Department SWQMP to ensure compliance with the requirement to reduce the discharge of pollutants to the Maximum Extent Practicable (MEP) as contained in Section 402(p)(3)(B)(iii) of the Clean Water Act. Specifically, the co-permittees must review and revise

the SWQMP sections regarding construction site runoff and public education. The co-permittees shall conduct a review of the current SWQMP and shall revise the SWQMP to include additional BMPs regarding public education and construction site runoff particularly, these revisions will include notification of ADEQ's NPDES permitting program to construction sites, institute an employee education program, increase public education, increase the frequency of construction site inspections, and notify ADEQ Enforcement Section of construction sites that do not have erosion controls installed. The co-permittees shall submit to ADEQ their suggested revisions to the SWQMP within eleven (11) months following the effective date of the permit.

6.8.2 The permitting authority may require the co-permittees to modify the SWQMP as needed to:

- 6.8.2.1 Address contributions by the MS4 discharges to impacts on receiving water quality;
- 6.8.2.2 Include more stringent requirements necessary to comply with new State or Federal statutory or regulatory requirements; or
- 6.8.2.3 Include such other conditions deemed necessary by the Director to comply with the goals and requirements of the Clean Water Act.

6.8.3 Modifications requested by the Director shall be made in writing, set forth the time schedule for the co-permittees to develop the modification(s), and offer the co-permittees the opportunity to propose alternative program modifications to meet the objective of the requested modification.

6.9 Annual Report - Each co-permittee shall contribute to the preparation of an annual system-wide report to be submitted by April 1 of each year between the effective date of the permit and the date of expiration. The report shall be in the form as outlined in the SWQMP and shall include the following separate sections, with an overview for the entire MS4 and subsections for the co-permittees where applicable.

- 6.9.1 Proposed changes to the stormwater quality management programs that are established as permit conditions, including an update on areas added to the MS4 due to annexation or other legal means;
- 6.9.2 Revisions, if necessary, to the assessments of controls and the fiscal analysis reported in the permit application under 40 CFR 122.26 (d)(2)(v) and 40 CFR 122.26 (d)(2)(vi);
- 6.9.3 A summary of the data, including monitoring data, that is accumulated throughout the reporting year;
- 6.9.4 Estimated annual expenditures and projected budget for the year following each annual report.
- 6.9.5 A summary describing the number and nature of enforcement actions, inspections, and public education programs; and
- 6.9.6 Identification of water quality improvements or degradation.

Preparation and submittal of a system-wide annual report shall be conducted by the co-permittees. The report shall indicate if the co-permittees have failed to provide required information on the portions of the MS4 for which they are responsible. The co-permittees shall be responsible for timely submittal of the system-wide report. Each co-permittee shall be responsible for content of the report relating to the portions of the MS4 for which it is responsible, and for failure to provide information for the system-wide annual report. Each co-permittee shall sign and certify their portion of the annual report.

6.9.7 The annual information required by 6.1.1 and 6.1.2.

- 6.9.8 Information for Structural Controls as required by 6.2.1.
- 6.9.9 Information for Areas of New Development as required by 6.2.2.
- 6.9.10 Information for Roadways as required by 6.2.3.
- 6.9.11 Information for Flood Control Projects as required by 6.2.4
- 6.9.12 Information for Spill Prevention and Response as required by 6.2.7.
- 6.9.13 Information for Construction Site Runoff as required by 6.2.8.
- 6.9.14 An update on Roles and Responsibility if applicable.
- 6.9.15 Monitoring and Reporting Requirements as required by 6.4.
- 6.9.16 An update on Legal Authority if applicable.
- 6.9.17 An update on SWQMP Resources if applicable.
- 6.9.18 An update on SWQMP Review per 6. for 6.7 and 6.8.

6.10 Limitations on Coverage. The following discharges are not authorized by this permit:

- 6.10.1 Non-stormwater: stormwater discharges that are mixed with non-stormwater or stormwater associated with industrial activity except where such discharges are:
 - 6.10.1.1 in compliance with a separate NPDES permit;
 - 6.10.1.2 or identified by and in compliance with 6.2.6 of this permit.
- 6.10.2 Stormwater discharges whose direct, indirect, interrelated, interconnected, or interdependent impacts would adversely impact, but not jeopardize, a listed or proposed endangered or threatened species may be authorized under this permit provided the co-permittees are in compliance with an incidental take permit issued by the U.S. Fish and Wildlife Service and/or the National Marine Fisheries Service pursuant to Section 10(a) of the Endangered Species Act.
- 6.10.3 Stormwater discharges, or the construction or implementation of stormwater management controls, which adversely affect properties listed or eligible for listing in the National Register of Historic Places, unless the co-permittees are in compliance with requirements of the National Historic Preservation Act and has coordinated any necessary activities to avoid or minimize impacts with the Arkansas State Historic Preservation Program.

Part 7

Definitions

All definitions contained in Section 502 of the Clean Water Act shall apply to this permit and are incorporated herein by reference. Additional definitions of words or phrases used in this permit are as follows:

- 7.1 **“Act”** means the Clean Water Act, Public Law 95-217 (33.U.S.C. 1251 et seq.) as amended.
- 7.2 **“Administrator”** means the Administrator of the U.S. Environmental Protection Agency.
- 7.3 **“Applicable effluent standards and limitations”** means all State and Federal effluent standards and limitations to which a discharge is subject under the Act, including, but not limited to, effluent limitations, standards of performance, toxic effluent standards and prohibitions, and pretreatment standards.
- 7.4 **“Applicable water quality standards”** means all water quality standards to which a discharge is subject under the federal Clean Water Act and which has been (a) approved or permitted to remain in effect by the Administrator following submission to the Administrator pursuant to Section 303 (a) of the Act, or (b) promulgated by the Director pursuant to Section 303(b) or 303(c) of the Act, and standards promulgated under regulation No. 2, as amended, (regulation establishing water quality standards for surface waters of the State of Arkansas.)
- 7.5 **“Appropriateness”** means how appropriate the Best Management Practices (BMPs) were in addressing the pollutants in the stormwater discharges.
- 7.6 **“ADEQ”** means the Arkansas Department of Environmental Quality.
- 7.7 **“Best-Management Practices”** means schedules of activities, prohibitions of practices, maintenance procedures, and other management practices to prevent or reduce the pollution of waters of the United States. BMP’s also include treatment requirements, operating procedures, and practices to control facility site runoff, spillage or leaks, sludge or waste disposal, or drainage from raw material storage.
- 7.8 **“Co-permittee”** is defined as a permittee to a NPDES permit that is only responsible for permit conditions relating to the discharge for which it is operator.
- 7.9 **“Department”** means the Arkansas Department of Environmental Quality (ADEQ).
- 7.10 **“Director”** means the Administrator of the U.S. Environmental Protection Agency and/or the Director of the Arkansas Department of Environmental Quality.
- 7.11 **“Discharge”** refers to discharges from the Municipal Separate Storm Sewer System (MS4) located within the boundaries of the city of Little Rock, Arkansas.
- 7.12 **“Flow-weighted composite sample”** means a composite sample consisting of a mixture of aliquots collected at a constant time interval, where the volume of each aliquot is proportional to the flow rate of the discharge.
- 7.13 **“Grab sample”** means an individual sample collected in less than 15 minutes in conjunction with an instantaneous flow measurement.
- 7.14 **“Illicit connection”** means any man-made conveyance connecting an illicit discharge directly to a municipal separate storm sewer.
- 7.15 **“Illicit discharge”** is defined as any discharge to a municipal separate storm sewer that is not composed entirely of stormwater except discharges pursuant to a NPDES permit and discharges resulting from fire fighting activities.

- 7.16 **“Large or medium municipal separate storm sewer system”** is defined at 40 CFR 122.26(b)(4)&(7).
- 7.17 **“Maximum Extent Practicable” or “MEP”** is the technology-based discharge standard for Municipal Separate Storm Sewer Systems established by CWA 402(p).
- 7.18 **“Monitoring and Reporting”** When a permit becomes effective, monitoring requirements are of the immediate period of the permit effective date. Where the monitoring requirement for an effluent characteristic is Monthly or more frequently, the Discharge Monitoring Report shall be submitted by the 25th of the month following the sampling. Where the monitoring requirement for an effluent characteristic is Quarterly, Semi-Annual, Annual, or Yearly, the Discharge Monitoring report shall be submitted by the 25th of the month following the monitoring period end date.
- 7.19 **“MONTHLY”** is defined as a calendar month or any portion of a calendar month for monitoring requirement frequency of once/month or more frequently.
- 7.20 **“MS4”** is an acronym for “Municipal Separate Storm Sewer System” and is used to refer to the Storm Sewer System located within the boundaries of the city of Little Rock, Arkansas.
- 7.21 **“Municipal”** means of or pertaining to areas, activities and facilities owned or operated by a municipality
- 7.22 **“Municipality”** means a city, town, borough, county, parish, district, association, or other public body created by or under State law and having jurisdiction over an MS4.
- 7.23 **“National Pollutant Discharge Elimination System”** means the national program for issuing, modifying, revoking and reissuing, terminating, monitoring and enforcing permits, and imposing and enforcing pretreatment requirements, under sections 307, 402, 318 and 405 of the Clean Water Act.
- 7.24 **“Point Source”** means any discernable, confined, and discrete conveyance, including but not limited to, any pipe, ditch, channel, tunnel, conduit, well, discrete fissure, container, rolling stock, concentrated animal feeding operation, landfill leachate collection system, vessel or other floating craft from which pollutants are or may be discharged.
- 7.25 **“Proper disposal”** disposal of wastes in a manner which does not violate a federal, state, or local requirement.
- 7.26 **“Quarter”** means a three month calendar period (January-March, April-June, July-September, October-December).
- 7.27 **“QUARTERLY”** (1) is defined as a fixed calendar quarter or any part of the fixed calendar quarter for a non-seasonal effluent characteristic with a measurement frequency of once/quarter. Fixed calendar quarters are: January through March, April through June, July through September, and October through December; or (2) is defined as a fixed three month period (or any part of the fixed three month period) of or dependent upon the seasons specified in the permit for a seasonal effluent characteristic with a monitoring requirement frequency of once/quarter that does not coincide with the fixed calendar quarter. Seasonal calendar quarters May through July, August through October, November through January, and February through April.
- 7.28 **“SEMI-ANNUAL”** is defined as the fixed time periods January through June, and July through December (or any portion thereof) for an effluent characteristic with a measurement frequency of once/6 months or twice/year.
- 7.29 **“Significant contributor of pollutants”** means any discharge that causes or could cause or contribute to a violation of surface water quality standards.
- 7.30 **“Storm Sewer”** refers to a municipal separate storm sewer.

- 7.31 **“Stormwater”** means stormwater runoff, snow melt runoff, and surface runoff and drainage.
- 7.32 **“Stormwater Quality Management Program” or “Program”** refers to a comprehensive program to manage the quality of stormwater discharged from the municipal separate storm sewer system.
- 7.33 **“The term “MGD”** shall mean million gallons per day.
- 7.34 **“The term “mg/l”** shall mean milligrams per liter or parts million (ppm).
- 7.35 **“The term “µg/l”** shall mean micrograms per liter or parts per billion (ppb).
- 7.36 **“The term “cfs”** shall mean cubic feet per second.
- 7.37 **“The term “ppm”** shall mean part per million.
- 7.38 **“The term “s.u.”** shall mean standard units.
- 7.39 **“Yearly or Annual”** is defined as a fixed calendar year or any portion of the fixed calendar year for an effluent characteristic or parameter with a measurement frequency of once/year. A calendar year is January through December, or any portion thereof.