

Koon, Nancy

From: Koon, Nancy on behalf of Water Permit Application
Sent: Wednesday, March 30, 2022 2:16 PM
To: Koon, Nancy
Subject: FW: Stormwater Quality Management Program and Vegetative Management Plan - City of Little Rock AFIN 60-00408, Permit Number ARS000002
Attachments: CITY of LITTLE ROCK STORMWATER WATER QUALITY MANAGEMENT PROGRAM.pdf; City of Little Rock Vegetative Management Plan.pdf

Follow Up Flag: Follow up
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From: Liu, Terry
Sent: Wednesday, March 30, 2022 1:53 PM
To: Water Permit Application
Subject: FW: Stormwater Quality Management Program and Vegetative Management Plan - City of Little Rock AFIN 60-00408, Permit Number ARS000002

From: Jeremy Stehle [\[mailto:JStehle@eccci.com\]](mailto:JStehle@eccci.com)
Sent: Wednesday, March 30, 2022 1:50 PM
To: Water-Enforcement-Report
Cc: daniel@adeq.state.ar.us; Liu, Terry; Rossato, Ilona E.; Floriani, Vince; Pennye Bray; Julie McCallister
Subject: RE: Stormwater Quality Management Program and Vegetative Management Plan - City of Little Rock AFIN 60-00408, Permit Number ARS000002

Good Afternoon,

Please find the attached Stormwater Quality Management Program and Vegetative Management Plan for the City of Little Rock, (AFIN 60-00408, Permit Number ARS000002). If you have any questions or comments please me or Pennye Bray, (pbray@eccci.com).

Thanks,

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STORMWATER QUALITY MANAGEMENT PROGRAM

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Public Works Department
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Little Rock, Arkansas 72201

Arkansas Department of Transportation
District 6
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NPDES Permit: ARS000002

Prepared by:



13000 Cantrell Road
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April 2022

STORMWATER QUALITY MANAGEMENT PROGRAM

City of Little Rock
And
Arkansas Department of Transportation
NPDES Permit: ARS000002

April 2022

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List of Abbreviations and Definitions

ADEM – Arkansas Department of Emergency Management

AE&E – Arkansas Energy and Environment

ARDOT – Arkansas Department of Transportation

BMPs – Best Management Practices; BMPs are 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.

CWA – Clean Water Act or the Federal Water Pollution Control Act

CGP – Arkansas Construction General Permit ARR150000

EPA – Environmental Protection Agency

DEQ – Department of Environmental Quality

DMR – Discharge Monitoring Report; Uniform reporting form used for the reporting of self-monitoring results by NPDES Permittees.

Discharge and Discharge of a pollutant - Any addition of any pollutant to the municipal separate storm sewer system. This term does not include an addition of pollutants by any indirect discharger or from any source specifically excluded from the definition of point source.

IGP – Arkansas Industrial Stormwater Permit ARR000000

Industrial and High-Risk Facility – Any facility meeting the criteria within 40 CFR 122.26(b)(14) and which the City has determined are contributing a substantial pollutant load to the MS4; facilities subject to Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA); operating or closed municipal landfills; treatment, storage or disposal facilities for municipal waste; and hazardous waste treatment facilities.

Illicit Discharge – Any discharge to the municipal separate storm sewer system that is not composed entirely of stormwater except discharges pursuant to an NPDES Permit (other than the NPDES Permit for discharges for the municipal separate storm sewer system).

MEP – Maximum Extent Practicable

MS4 – Municipal Separate Storm Sewer System A conveyance or system of conveyances (including roads with drainage systems, streets, catch basins, curbs, gutters, ditches, manmade channels or storm drains) which is owned or operated by the

City, designed or used for collecting or conveying stormwater, and is neither a publicly owned treatment works or a combined sewer.

NOI – Notice of Intent means the form developed by DEQ for submission to request coverage under the IGP or CGP

NOC – Notice of Coverage is the document issued by DEQ to demonstrate permit coverage under the IGP or CGP.

NOT - Notice of Termination is the form submitted to DEQ to terminate any type of NPDES permit coverage.

NPDES – National Pollutant Discharge Elimination System means the national permitting program implemented under the CWA

OES – Office of Emergency Services

PDS – Permit Data System means the database maintained by DEQ listing all facilities within the State of Arkansas with environmental permits (air, land, water)

Permittee - Any entity which has obtained coverage under any permit.

RRWRD - Regional Recycling and Waste Reduction District

SARA Title 313 - Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA)

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 Section 313 of Title III of SARA; fertilizers; pesticides; and waste products such as ashes, slag and sludge that have the potential to be released with stormwater discharges.

Significant Spills includes, but is not limited to: releases of oil or hazardous substances in excess of reportable quantities under Section 311 of the Clean Water Act (see 40 CFR 110.10 and 40 CFR 117.21) or Section 102 of CERCLA (see 40 CFR 302.4).

Stormwater means stormwater runoff, snow melt runoff, and surface runoff and drainage.

Stormwater Associated with Industrial Activity – means discharges meeting the criteria within 40 CFR 122.26 (b)(14).

SWPPP – Stormwater Pollution Prevention Plan is a plan that includes site map(s), an identification of facility activities that could cause pollutants in the stormwater, and a description of measures or practices to control these pollutants (BMPs).

SWAR – Stormwater Annual Report means a report prepared by industrial facilities in Arkansas that are covered under the IGP.

TSD – Temporary Storage and Disposal Facility is a facility engaged in the handling and disposal of hazardous waste.

Stormwater Quality Management Program

1.0 INTRODUCTION

The City of Little Rock (City) and the Arkansas Department of Transportation (ARDOT) are co-permittees under NPDES Permit AR000002. This permit authorizes the discharge of stormwater under the National Pollutant Discharge Elimination System. Part 6.1 of Permit AR000002 requires the co-permittees to develop, implement and maintain a Stormwater Quality Management Program (SWQMP). The SWQMP was initially developed and implemented in 1997 and renewed in 2006. Permit ARS000002 was renewed with an effective date of January 1, 2020. The Permit was modified with an effective date of October 1, 2020 and an expiration date December 31, 2024.

The revised Permit contained changes and additional requirements for incorporation into the SWQMP. Consequently, the document contained herein has been developed to update/revise the existing SWQMP to ensure compliance with the current Permit.

The NPDES Permit AR000002, The EPA Guidance Manual for Implementing Municipal Stormwater Management Programs, Volumes 1 & 2, and various existing City-wide programs were utilized in the development of this document. The Permit identifies coverage, monitoring and reporting requirements, schedules of compliance, standard conditions, pollution prevention requirements, and system-wide requirements. This Program incorporates the various Permit parts and provides a format for each required activity that includes:

- The Clean Water Act objective;
- NPDES Permit requirements;
- Program activities; and,
- Reporting requirements.

The City and ARDOT are co-permittees under NPDES Permit ARS000002. Because the Permit is issued on a jurisdictional basis, ARDOT is responsible for

Program elements which satisfy the requirements of the Permit, and which activities are conducted within the municipal limits of the City on lands owned by ARDOT. The City will prepare and submit the Annual Report required by the NPDES Permit. ARDOT will provide program information to the City for inclusion in the Annual Report. The co-permittee contacts are the City's Environmental Compliance Engineer (501-371-4835) and ARDOT's District 6 Maintenance Engineer (501-569-2266).

1.1 Regulatory Basis

The regulations within 40 CFR § 122.34 details Permit requirements for regulated small MS4 permits. Terms and conditions to reduce the discharge of pollutants to the MS4 are to be expressed in clear, specific, and measurable terms. Such terms and conditions may include narrative, numeric, or other types of requirements.

EPA identifies **six (6) minimum control measures** within 40 CFR § 122.34(b) (1) through (6) to ensure meeting these requirements. These minimum control measures are described as follows.

(1) *Public education and outreach on storm water impacts:*

The public education program should inform individuals and households about the steps they can take to reduce storm water pollution, inform individuals and groups how to become involved in restoration activities, and address the viewpoints and concerns of all of the communities.

(2) *Public involvement/participation*

Identify the minimum elements and require implementation of a public involvement/participation program, address the need for the public to be included in developing, implementing, and reviewing the storm water management program.

(3) *Illicit discharge detection and elimination*

Identify the minimum elements and require the development, implementation, and enforcement of a program to detect and eliminate illicit discharges into the MS4.

(4) *Construction site storm water runoff control*

Identify the elements and require the development, implementation and enforcement of a program to reduce pollutants from construction activities by

erosion and sediment controls, best management practices (BMPs), waste control, washout controls, site plan review procedures, inspections and information to the public.

(5) *Post-construction storm water management in new development and redevelopment*

Address storm water runoff from new development and redevelopment projects with structural and/or non-structural BMPs, ordinances, policies and programs and BMP maintenance regulations which are appropriate for the local community, minimize water impacts and attempt to maintain pre-development runoff conditions.

(6) *Pollution prevention/good housekeeping for municipal operations*

Address maintenance activities, schedules, inspection procedures for municipal facilities and operations.

2.0 POLLUTION PREVENTION REQUIREMENTS

The Environmental Protection Agency (EPA) and the Arkansas Department of Energy and Environment (AE&E), Division of Environmental Quality (DEQ) have required that these pollution prevention activities be included in the Program under their regulatory authority. These activities are required in order to achieve the Maximum Extent Practicable (MEP) standard of the NPDES Permit.

2.1 Used Motor Vehicle Fluids

2.1.1 Clean Water Act Objective

"A description of educational activities, public information activities, and other appropriate activities to facilitate the proper management and disposal of used oil. "

2.1.2 NPDES Permit Requirement

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 will publicize, on an annual basis, the materials that can be recycled or disposed of properly, times available to the public for using the facilities, and locations that are readily available. The effectiveness of the program will be included in the Annual Report submitted to the DEQ. Estimates of the quantity of material collected, types of advertising and associated costs along with the overall program costs will be provided in the Annual Report.

2.1.3 Little Rock Program Activity

The City is a partner in the Regional Recycling and Waste Reduction District (RRWMD). The RRWMD has the primary responsibility for collection of household hazardous waste in the City, as well as advertising for such collections. Used motor vehicle fluids, gasoline, and anti-freeze are collected by the RRWMD at the Green Station located at the Northwest Police Substation at 10001 Kanis Road. The drop-off location is behind the substation in the rear parking lot. Information on the proper

disposal of common household hazardous materials, including household hazardous waste, is disseminated by the RRWMD and the City through brochures, public service announcements, community events, community centers, special mailings to utility service customers, and the internet at <https://regionalrecycling.org/special-recycling/electronic-waste-residential/>. Fleet Services collects used motor vehicle fluids from its automotive maintenance activities and contracts disposal with a licensed disposal contractor. Below is a list of household hazardous waste accepted at the Green Station:

- Used automotive oil;
- Used gasoline;
- Used antifreeze
- Fertilizer (in original packaging);
- Herbicides (in original packaging);
- Insecticides (in original packaging); and
- Pesticides (in original packaging).

2.1.4 Reporting Requirement for Little Rock

The City will report annually on the status of public information activities. Summary information will be included in the Annual Report including any advertising associated with the environmental programs of the City.

2.2 Household Hazardous Waste Collection

2.2.1 Clean Water Act Objective

"A description of educational activities, public information activities, and other appropriate activities to facilitate the proper management and disposal of toxic materials. "

2.2.2 NPDES Permit Requirement

The City shall ensure the establishment or availability of a program to collect household hazardous waste materials for recycle, reuse, or proper disposal. The City will be responsible for publicizing this program on an annual basis. The Annual Report will include the amount of materials collected, the amount of money used for advertising, the method of advertising used to inform the public, and the overall cost of the program.

2.2.3 Little Rock Program Activity

The City is a partner in the RRWMD. The RRWMD has the primary responsibility for collection of household hazardous waste in the city, as well as advertising for such collections. The RRWMD collects household hazardous waste materials at the Green Station located at the Northwest Police Substation at 10001 Kanis Road. Information on the proper disposal of common household hazardous materials is disseminated by the RRWMD and the City through brochures, public service announcements at community events, community centers, in special mailings to utility service customers, and the internet at <https://regionalrecycling.org/special-recycling/electronic-waste-residential/>.

2.2.4 Reporting Requirement for Little Rock

The City will report annually on the status of public information activities. Summary information will be included in the Annual Report including any advertising associated with the solid waste collection services.

2.3 Floatables Reduction

2.3.1 Clean Water Act Objective

"A description of maintenance activities and a maintenance schedule for structural controls to reduce pollutants (including floatables) in discharges from municipal separate storm sewers. "

2.3.2 NPDES Permit Requirement

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 program must be designed to includes more than one mechanism and target no less than three (3) different stormwater themes or messages annually. The programs are also to target three (3) or more themes annually.

2.3.3 Little Rock Program Activity

The City will utilize public access television or local cable government access channel (LRTV) on an annual basis to provide announcements and bulletins describing the need to improve stormwater runoff quality and how citizens can reduce floatables and other pollutants discharged to the municipal storm sewer. These announcements will be in the form of videos, bulletin boards, or special programming aired periodically throughout the year or other means of notification. These announcements are primarily targeted to minimize the impacts households have on stormwater quality.

The City also will provide printed brochures and flyers that are distributed at various areas throughout the city and at public events. This includes guidance targeted at households, commercial builders, residential builders and the general public. The City also publishes various materials aimed at instilling awareness of stormwater quality and the impacts of pollution.

The City utilizes joint partnership with several non-profit agencies to raise awareness, education and protection of local resources. One such program is the "Drain Smart" program an engaging public-education/environmental program that uses art to communicate the importance of reducing litter that flows into our storm drains. Local

artists submit their ideas for murals that are painted on various storm drains throughout the City of Little Rock. The project occurs annually and provides artists the opportunity to express themselves via semi-permanent public art in a series of small-scale outdoor storm drain murals. This art will then serve to educate the public on watershed and stream protection.

It is expected that these approaches would reach no less than 50 percent of the population during the permit term.

2.3.4 Reporting Requirements for Little Rock

Public service announcements and/or other educational activities or information satisfying the permit requirements above will be provided in the Annual Report.

2.3.5 Department of Transportation Program Activity

ARDOT sponsors the Adopt-A-Highway Program that coordinates the collection of litter along highways by volunteers. The program is advertised through signs erected along state highways and through brochures distributed at public meetings.

ARDOT administers the Litter Reporting Hotline through the Arkansas Highway Police that enables the driving public to report litter violations on the state roadways.

Letters are sent to suspected violators reminding them that it is illegal to litter the highways in Arkansas. The litter hotline is advertised on educational handouts, highways signs and on the internet. In addition to the ARDOT website, the Idrive Arkansas app/website has a “report littering” and “Report a Problem” feature available for the public to provide comments. The internet is an effective method of public education and involvement to distribute this information.

2.3.6 Reporting Requirements for the Department of Transportation

ARDOT will report the volume of litter collected by Adopt-A-Highway volunteers in the Annual Report.

3.0 SYSTEM-WIDE REQUIREMENTS

The Environmental Protection Agency and the DEQ have identified these system-wide elements to be included in the Program from the permit application information. These elements are included in the Program in order to achieve the MEP standard of the NPDES Permit.

These system-wide requirements include both co-permittees, and where applicable, permit requirements for the City and the ARDOT are set forth separately. Similarly, program compliance elements are set forth for each co-permittee, along with annual reporting responsibilities.

3.1 Operation and Maintenance of Structural Controls

3.1.1 Clean Water Act Objective

"A description of maintenance activities and a maintenance schedule for structural controls to reduce pollutants (including floatables) in discharges from the municipal separate storm sewer. "

3.1.2 NPDES Permit Requirement for Little Rock

The City has a program to inspect no less than twenty percent (20%) of the drainage system annually. The drainage system consists of curb and gutters, drainage pipes, culverts and open ditches in the City right-of-way and public easements. Areas with recurring drainage problems shall be inspected more frequently as determined by the City of Little Rock Public Works Department.

The City also maintains and cleans the ponds along Coleman Creek within War Memorial Park. These ponds are inspected two (2) times per year.

3.1.3 NPDES Permit Requirement for the Department of Transportation

ARDOT will inspect the drainage system for which it is responsible, at least one (1) time per month. The inspections should include a schedule of maintenance for correcting deficiencies in the system.

3.1.4 Little Rock Program Activities

Routine inspections will take place on no less than twenty percent (20%) of the municipal drainage system annually. Maintenance, cleaning, and repair of the drainage system are performed by the City, which responds to maintenance and emergency cleaning requests. In addition to Service Requests, the City employs a Ditch Maintenance Plan for estimating and scheduling routine maintenance of the major drainage system. The inspections required by the permit may take place concurrently with maintenance and emergency cleaning requests so as to identify areas where reoccurring issues are the result of needed maintenance. In general, areas identified during the inspections or maintenance calls that indicate problems, are given priority for maintenance.

Staff performs inspections twice per year of the ponds along Coleman Creek within War Memorial Park. These ponds were constructed with Clean Water Act (CWA) Section 208 water quality funds and were reported as a part of the National Urban Runoff Program in the late 1970s. From these inspections, if it is determined that maintenance work is needed, it will be scheduled and performed in a timely manner.

Staff will review discharge monitoring reports (DMRs) for indications of excess pollutant concentrations that may lead to permit violations. Areas where elevated pollutant concentrations are detected, will be further evaluated to determine the suspected source(s) and corrective measures implemented as needed.

3.1.5 Reporting Requirement for Little Rock

The City's Management Information System (MIS) will be used to generate Annual Report information to document maintenance, cleaning, and repair activities required under the Permit. The City will maintain a file of all information and will report summary and statistical information in the Annual Report required under the Permit.

The City will report the results of two (2) inspections of the ponds along Coleman Creek within War Memorial Park each year. The inspection reports will address the need for maintenance scheduling. Additionally, the reports will include a discussion of areas identified during the pond inspections that require corrective actions or additional BMPs and the corrective actions subsequently implemented.

3.1.5 Department of Transportation Program Activities

The ARDOT has jurisdiction over State route rights-of-way within Little Rock. During the course of their normal duties, ARDOT employees visually inspect the drainage systems on a monthly basis for functional problems and schedule maintenance as required in accordance with ARDOT policy.

3.1.6 Reporting Requirements for the Department of Transportation

ARDOT will provide information for inclusion in the Annual Report concerning the status of drainage system maintenance and repairs during the year on ARDOT routes within the City. The Annual Report will include the number of roadway miles where litter was removed by the following entities: Adopt-A-Highway, Inmate/Parolee program, or ARDOT contracted forces.

3.2 New Development Controls

3.2.1 Clean Water Act Objective

"A description of planning procedures, including a comprehensive master plan to develop, implement and enforce controls to reduce the discharge of pollutants from municipal separate storm sewers which receive discharges from areas of new development and significant redevelopment. Such plan will address controls to reduce pollutants in discharges from municipal separate storm sewers after construction is complete."

3.2.2 NPDES Permit Requirement

Each co-permittee must utilize the comprehensive master planning process to develop, implement and enforce control that will reduce the discharge of pollutants to the municipal separate storm sewer system (MS4) from areas of new development and significant redevelopment after construction is completed. The City will require permanent controls as per 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 shall notify construction sites disturbing (clearing, grading, or other construction activities) five (5) or more acres within their MS4 boundary of the requirement to complete a Notice of Intent (NOI) for coverage under the Arkansas General Stormwater Permit for Construction Activities (CGP) and develop a Stormwater Pollution Prevention Plan (SWPPP) for submission to DEQ. Sites that will disturb more than one acre but less than five acres are considered "permitted by rule" under the CGP and must complete and display a Notice of Coverage (NOC) at the site. Small sites are also required to prepare and implement a SWPPP. All construction sites that exceed one acre or more within the City must submit the NOC, either issued by DEQ or completed as a small site, to the City to demonstrate coverage under the CGP.

3.2.3 Little Rock Program Activities

Little Rock's Stormwater Management and Drainage Manual currently identifies management controls applicable to both major and minor stormwater collection systems, including: detention storage (parking lot, rooftop, basin, percolation, other);

open channels; curbs (streets, curbs and gutter are considered integral to the drainage system); enclosed conveyance systems (inlets, conduits, and manholes); and other practices approved by the City. Design criteria and performance standards are also identified.

During the plan review and the building permit review processes, permit applicants proposing to disturb five or more acres will be required to also include the Notice of Intent (NOI) for coverage under the Arkansas General Stormwater Permit for Construction Activities (ARR1500000), and proof of fee payment (where applicable) or in lieu of the NOI, the Notice of Coverage (NOC) issued under Permit ARR1500000. Small construction sites (1-5 acres) are required to submit, to the City, the NOC completed for automatic coverage under ARR150000 and show proof of SWPPP development. The information regarding the stormwater permitting requirements, including the requirements to obtain coverage under Arkansas Permit ARR1500000 is available in the Planning and Development Department building package that is made available to all building permit applicants.

3.2.4 Reporting Requirements for Little Rock

The City will include in the Annual Report of the number of commercial building permits and subdivisions approved for construction requiring controls for stormwater detention during the reporting year.

3.3 Roadways

3.3.1 Clean Water Act Objective

"A description of practices for operating and maintaining public streets, roads and highways and procedures for reducing the impact on receiving waters of discharges from municipal storm sewer systems, including pollutants discharged from deicing activities. "

3.3.2 NPDES Permit Requirement for Little Rock

The City will sweep the Central Business District three (3) times a week, one hundred and fifty (150) curbmiles of arterial streets on which curbs and barrier walls are provided one (1) time per week, and the balance of arterial streets on which curbs and barrier walls are provided on a monthly basis. The City will keep records that will include the number of sweeper units used, amounts of debris collected, and problem areas that contribute the highest volume of debris.

3.3.3 NPDES Permit Requirement for the Department of Transportation

The ARDOT will sweep all State highway routes within the City on which curbs and barrier walls are provided one (1) time per month. The ARDOT will keep records that will include the number of sweeper units used, amounts of debris collected, and problem areas that contribute the highest volume of debris. The Annual Report should include the number of miles of roadway adopted and the amount of trash and debris collected.

3.3.4 Little Rock Program Activities

The City is responsible for maintenance and operation of all municipal roadways and traffic control devices. One hundred and fifty (150) curbmiles of arterial streets and barrier walls are swept weekly. Central Business District streets are swept three (3) times/week. The remainder of arterials with curbs and barrier walls are swept each month.

The "Adopt-a-Street" litter control program was implemented in 1995, and is the responsibility of the City.

[3.3.5 Reporting Requirement for Little Rock](#)

The City will report the number of miles of street cleaned and amount of materials collected. The City will provide Annual Report information on the "Adopt-a-Street" program activities, including the number of miles adopted. The City will report summary and statistical information in the Annual Report required under the permit.

[3.3.6 Department of Transportation Program Activities](#)

ARDOT is responsible for operation and maintenance of approximately 90 miles of State and Interstate Highways within the corporate limits of Little Rock. ARDOT does trash and debris pickup (including dead animals) along highway rights-of-way using ARDOT employees and through contract services. ARDOT operates two (2) vacuum sweeper units within the corporate limits of Little Rock, sweeping all routes a minimum of one (1) time per month.

[3.3.7 Reporting Requirement for the Department of Transportation](#)

ARDOT will report annually the status of sweeping activities on State routes within the City. The City will include this information in the Annual Report to the DEQ.

3.4 Flood Control Projects

3.4.1 Clean Water Act Objective

"A description of procedures to assure that flood management projects assess the impacts on the water quality of receiving water bodies and that existing structural flood control devices have been evaluated to determine if retrofitting the device to provide additional pollutant removal from stormwater is feasible. "

3.4.2 NPDES Permit Requirement

All flood control projects will be reviewed by the City of Little Rock.

3.4.3 Little Rock Program Activities

The City defines flood control projects as improvements and modifications to the major drainage system. The City maintains a Certified Floodplain Manager on staff who reviews any flood control project undertaken by the City to assess and minimize any potential impacts on the water quality of the receiving waters to the extent practicable. The Certified Floodplain Manager also reviews all permit applications for proposed development within the floodplain to assure that flood zones are protected and that all necessary permits have been obtained from those federal, state or local government agencies from which prior approval is required. Additionally, the Certified Floodplain Manager reviews flood control projects proposed by contractors to ensure that water quality of the receiving stream is protected to the extent practicable. The City currently notifies all applicants for special flood hazard development permits of the requirement to obtain a Notice of Coverage (NOC) from DEQ for construction sites that propose to disturb one (1) or more acres of land area.

3.4.4 Reporting Requirement for Little Rock

The number of flood control projects reviewed during the reporting period will be included in the Annual Report.

3.5 Pesticides, Herbicides, & Fertilizers

3.5.1 Clean Water Act Objective

"A description of a program to reduce to the maximum extent practicable, pollutants in discharges from municipal separate storm sewers associated with the application of pesticides, herbicides, and fertilizer which will include, as appropriate, controls such as educational activities, permits, certifications, and other measures for commercial applicators and distributors, and controls for application in public right-of-ways and at municipal facilities. "

3.5.2 NPDES Permit Requirement for Little Rock

Each co-permittee will implement controls related to the application of pesticides, herbicides, and fertilizers by their respective employees. All commercial applicators of pesticides, herbicides, and fertilizers under contract with the City and within the City of Little Rock must be licensed by the Arkansas Department of Agriculture. The proper utilization of pesticides, herbicides, and fertilizers is addressed in the City's Vegetative Management Plan.

3.5.3 NPDES Permit Requirement for the Department of Transportation

Each co-permittee will implement controls related to application of pesticides, herbicides, and fertilizers by their respective employees. All commercial applicators of pesticides, herbicides, and fertilizers under contract with the DOT and within the City of Little Rock must be licensed by the Arkansas Department of Agriculture.

3.5.4 Little Rock Program Activities

Within municipal rights-of-way and on public lands, seeding or planting and maintenance of appropriate ground cover is performed by the City, outside contractors, and service providers. All City departments will require that contract applicators of pesticides, herbicides, and fertilizers on City projects be licensed by the Arkansas Department of Agriculture.

Each Department ensures that supervisory personnel are trained in the use of pesticides, herbicides, and fertilizers, and that those employees are licensed with the Arkansas Department of Agriculture.

[3.5.5 Reporting Requirement for Little Rock](#)

The City will notify the DEQ and the Arkansas Department of Agriculture, Division of Plant Industries of violations noted under this permit requirement.

[3.5.6 Department of Transportation Program Activities](#)

ARDOT applies herbicides within its rights-of-way to control weeds, grass, and brush. Application rates and procedures for application are in accordance with manufacturer's label recommendations.

ARDOT personnel who apply herbicides have received training from and are certified by the University of Arkansas Cooperative Extension Service. Commercial contractors applying herbicides on ARDOT rights-of-way will be licensed by the Arkansas Department of Agriculture.

Routine fertilization of ARDOT rights-of-way is limited to construction activities and is performed in accordance with ARDOT Standard Specifications for Highway Construction.

3.6 Illicit Discharges & Improper Disposal

3.6.1 Clean Water Act Objectives

"A description of a program, including a schedule, to detect and remove (or require the discharger to the municipal separate storm sewer system to obtain a separate NPDES permit for) illicit discharges and improper disposal into the storm sewer. "

"A description of a program, including inspections, to implement and enforce an ordinance, orders, or similar means to prevent illicit discharges to the municipal separate storm sewer system. "

3.6.2 NPDES Permit Requirement for Little Rock

The City shall implement an ongoing program to detect and remove illicit discharges and improper disposal into the storm sewer system. The City will continue to monitor for dry weather flows. The type of monitoring and findings shall be included in the Annual Report submitted to DEQ.

The City shall effectively prohibit unauthorized non-stormwater discharges to the MS4. The City 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. The City shall require the operator of the sanitary sewer system to limit the infiltration from sanitary sewers into the MS4. The City shall prohibit the discharge of all used motor vehicle fluids and household hazardous wastes into the MS4.

3.6.3 Little Rock Program Activities

The categories of non-stormwater discharges identified in Part 6.2.6.1 of the NPDES Permit are prohibited. These prohibited discharges also include discharges of gray water from municipal splash pads (spray ponds or spray ground), unless otherwise permitted or regulated by DEQ and in compliance with applicable municipal or county ordinances. Recirculating systems shall provide a method of dechlorination prior to discharge, if allowed. The discharge of used motor vehicle fluids and improper disposal of hazardous materials are prohibited.

On March 7, 2006, the Little Rock Board of Directors passed Resolution No. 19,497 requiring the operator of the Little Rock sanitary sewer system (Little Rock Water Reclamation Authority) to eliminate unpermitted discharges of dry and wet weather overflows from sanitary sewers into the City's MS4. Resolution No. 19,497 also required the operator of the Little Rock sanitary sewer system to limit the infiltration from sanitary sewers into the City's MS4.

The City has an ongoing program to detect and remove illicit discharges and improper disposal into the MS4. The City will investigate and respond to illicit discharges and improper disposal into the MS4. When the City discovers, either through inspection, or is made aware of, a suspected illicit discharge or improper disposal into the MS4, the City shall dispatch one of its engineering specialists to investigate the situation. If the results of the initial investigation warrant further action, the City will either notify the discharger of the illicit discharge or improper disposal to eliminate and correct the illicit discharge, or the City will refer the matter to DEQ, or both. The City shall also notify, and work closely with, other authorities with jurisdiction over the illicit discharge or improper disposal, such as the Little Rock Water Reclamation Authority, the Arkansas State Health Department or Arkansas Department of Energy and Environment (AE&E), DEQ, as appropriate, in investigating, correcting, and removing the illicit discharge or improper disposal.

[3.6.4 Reporting Requirement for Little Rock](#)

Investigation for dry weather flows will be an ongoing program and will be addressed by the City. Records of these investigations will be maintained by the City and summary information will be reported to the DEQ annually.

The City will report annually to the DEQ on identification, appropriate controls, and approval or enforcement action for non-stormwater discharges. The City will identify and formally adopt a policy for each category of allowable non-stormwater discharged to the storm sewer system.

3.6.5 Department of Transportation Program Activities

Illicit discharges and improper disposal along ARDOT rights-of-way are identified during routine inspections of the drainage system. Such incidents are reported to the City. The ARDOT cooperates upon request with the City in investigating and eliminating illicit discharges. The ARDOT Highway Police perform random inspections of motor carriers and include in this inspection a review of transportation manifests, packaging and placarding of materials, safety equipment, and vehicle operating requirements.

Both maintenance and construction personnel will receive training in the identification of, and reporting protocol for, illicit discharges discovered during the course of their daily activities.

3.6.6 Reporting Requirements for Department of Transportation

The ARDOT will report annually the course description and dates of illicit discharge identification training classes conducted for its personnel who work within the geographical area covered by the Permit. This information will be provided to the City and will be included in the Annual Report submitted to the DEQ.

3.7 Spill Prevention, Containment, & Response

3.7.1 Clean Water Act Objective

"A description of procedures to prevent, contain, and respond to spills that may discharge into the municipal separate storm sewer. "

3.7.2 NPDES Permit Requirement for Little Rock

The City will ensure that supervisory personnel are trained in methods of containing spills. The DEQ is to be notified immediately upon notification of a spill occurring. The "Little Rock Emergency Response Framework (ERF) 2020", contains the criteria for containing and controlling spills.

3.7.3 NPDES Permit Requirement for the Department of Transportation

The ARDOT will have supervisory personnel trained for methods of containing spills. The DEQ is to be notified immediately after a spill occurs. The criteria for containing and controlling a spill will be addressed in the Stormwater Quality Management Program.

3.7.4 Little Rock Program Activities

The City Manager has designated the Little Rock Fire Department to assure primary oversight responsibility for hazardous materials within the corporate limits of the City, per Arkansas Code annotated 12-75-101 et.al. These responsibilities include inspection, or causing to be inspected by the hazardous materials unit or inspection division of the Fire Department and/or the DEQ, any property, structure, vehicle, or location within the corporate limits of the City that has been reported or alleged to contain hazardous materials that are not properly stored.

The ERF contains a series of emergency support and functions, incident/discipline specific annexes that address specific critical functions that occur in most incidents.

[3.7.5 Reporting Requirement for Little Rock](#)

The City utilizes a “Spill Incident Report” (Attached) to report hazardous materials spill, containment, and response activity. The form identifies response agencies, which may include the OES and the DEQ. The City will report any modifications to the Emergency Operations Plan that affect hazardous materials protocol and will update the Program attachments as necessary to include this information.

[3.7.6 Department of Transportation Program Activity](#)

The ARDOT has established routes for the transportation of hazardous materials through the City by commercial carriers. The ARDOT utilizes an Oil Spill Prevention and Response Plan, which has been circulated to all area maintenance supervisors and a copy of which is kept in all tanker trucks.

District Six supervisors with responsibility for highways within the MS4 will receive spill response training on hazardous and non-hazardous materials. The ARDOT's primary response to spills of hazardous materials on its roadways is to notify the Arkansas Department of Emergency Management (ADEM). For spills from its own vehicles, the Department of Transportation has an Oil Spill Prevention and Response Plan that outlines steps to be taken to deal with a spill. A copy of this Plan is carried in each ARDOT tanker truck.

[3.7.7 Reporting Requirement for the Department of Transportation](#)

The ARDOT will maintain a record of hazardous materials spills, containment, and response activities that occur within the MS4 geographical area.

3.8 Construction Site Runoff

3.8.1 Clean Water Act Objective

"A description of a program to implement and maintain structural and nonstructural best management practices to reduce pollutants in stormwater runoff from construction sites to the municipal storm sewer system, which will include: (1) a description of procedures for site planning which incorporate consideration for potential water quality impacts; (2) a description of requirements for non-structural and structural best management practices; (3) a description of procedures for identifying priorities for inspecting sites and enforcing control measures which consider the nature of the construction activity, topography, and the characteristics of soils and receiving water quality."

3.8.2 NPDES Permit Requirement for Little Rock

All new construction sites that have a surface disturbance of one (1) acre or more and meet the requirements of Chapter 29 of the Little Rock Code of Ordinances will obtain a Grading Permit from the City. Owners of the construction sites will implement best management practices (BMPs) to minimize pollutant discharges to the City's stormwater drainage system. All new development will utilize appropriate methods for calculating potential soil loss.

The City will 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 Ordinances.

3.8.3 NPDES Permit Requirement for the Department of Transportation

The ARDOT will develop and make available standard details, specifications, and/or manuals identifying acceptable Best Management Practices (BMPs) that must be used on ARDOT construction projects that will result in the surface disturbance of more than one acre of soil.

3.8.4 Little Rock Program Activities

The City reviews and issues Grading Permits for developments and construction sites that disturb one (1) acre or more and exceed the threshold requirements for land alteration activities described in Chapter 29 of the Little Rock Code of Ordinances. New developments or construction sites that will result in five (5) or more acres of surface disturbance are required to submit a Notice of Coverage (NOC) for the Arkansas Construction General Stormwater Permit (CGP) - Permit Number ARR150000 issued by the DEQ with their Grading Permit application. Sites that disturb one (1) or more acres of soil are required to submit the NOC for "Permit by Rule" coverage under the CGP with their Grading Permit application. Contractors, Owners and Developers of construction sites within the City are responsible for ensuring compliance with the requirements of the CGP, including training of their crews to comply with the permit. All Grading Permit applications must also include all of the City's Design Criteria and Performance Standards identified within the City's Stormwater Management and Drainage Manual and owners or developers.

The City is responsible for determining whether the planned development proceeds in conformance with approved plans. The grading and drainage plan, erosion control plan, and soil loss calculations must be approved by staff prior to issuance of a Grading Permit. The Stormwater Management and Drainage Manual is updated on an ongoing basis with newly approved or modified BMPs that address stormwater management concerns as appropriate. Standard details for installation and maintenance of erosion control devices are published in the City of Little Rock Standard Details book. The standard details book is updated on an ongoing basis with newly approved or modified BMPs that address stormwater management concerns. The City will issue Grading Permits to owners and developers after the City has determined the site plans are in compliance with Chapter 29 of City Code, the Storm Water Management & Drainage Manual, and the DEQ NOC submitted to the City by owners and developers.

The City has developed an inspection program for all construction sites that will result in the surface disturbance of one (1) or more acres. All of these sites will be inspected monthly. A Notice of Violation (NOV) to the Grading Permit Applicant,

Contractor, Owner or Developer of a construction site that is found to be out of compliance with conditions of Chapter 29 of the City of Little Rock Code of Ordinances and the City's Stormwater Management and Drainage Manual will be prepared describing violations and necessary remedies. The NOV will provide a deadline for completion of remedial activities.

The City has developed construction site inspection forms to be completed by City inspectors. Site inspections will be completed monthly for those sites that have surface disturbances of one (1) acre and larger. Inspections will focus on preventing turbid discharges from the construction sites. Inspectors will also be looking for off-site tracking of mud and dirt. Off-site tracking contributes to turbid discharges into city stormwater inlets. If sites are found to be out of compliance with Chapter 29 of the City of Little Rock Code of Ordinances and the City's Storm Water Management and Drainage Manual and the Grading Permit, a NOV will be issued notifying the responsible party of the out of compliance issues. The NOV will provide a deadline for the non-compliance items to be resolved. If the deficiencies are not resolved by the deadline, sites may be referred to City enforcement officials and DEQ water enforcement. Enforcement actions may include, stop-work orders, citations, fines and/or possible stormwater sampling requirements.

Owners or developers of subdivisions within the City will be required to submit a NOC for the subdivision. Subdivisions under construction will be considered one site, no matter how many individual construction sites are in the subdivision. Owners or developers of the subdivision will be required to comply with the provisions of the DEQ CGP (ARR150000) for construction activities and the City's adopted BMP/Erosion Control Manual and Chapter 29 City Code of Ordinances until all of the construction within the subdivision is completed and soils finally stabilized or as approved by the Director of Planning and Development of the City of Little Rock.

Grading Permits will not be terminated until the City issues the final Certificate of Occupancy (CO) for the last Lot in the Last phase in the subdivision under construction. All sites must have one hundred percent (100%) stabilization with eighty percent (80%) density prior to the issuance of the CO by the City, or as approved by the Director of Planning and Development Department of the City of Little Rock. The City may require

a final site inspection or documentation of such as photographic evidence that all areas within a construction site or subdivision have been stabilized

3.8.5 Reporting Requirements for Little Rock

The City will report the number of permits issued, total permitted area of disturbed soil, and management practices used to achieve compliance with the five (5) tons per acre per year soil loss tolerance, estimated potential soil loss, and estimated reduction in soil loss resulting from the application of erosion control provisions. This information will be summarized and included in the Annual Report to the DEQ.

The City will utilize inspection reports to document that each construction site, one acre and larger of surface disturbance, is inspected each month. The City will notify DEQ, Enforcement Section, by telephone, e-mail of any construction site that meets the general construction permitting criteria that does not have erosion controls installed or have not obtained a NOC.

New BMPs incorporated into the Drainage Manual during each permit year will be included in each subsequent Annual Report to the DEQ.

3.8.6 Department of Transportation Program Activities

The ARDOT has responsibility for construction site runoff from projects within its jurisdiction, as set forth in the Arkansas State Highway and Transportation Department Standard Specifications for Highway Construction, Section 110 (Water Pollution Abatement). With the approval of ARDOT, individuals, corporations, or utilities sometimes conduct earth-disturbing activities on ARDOT's right of way. The ARDOT's Statewide Stormwater Management Plan requires these entities to obtain any required permits and implement BMPs required by the permit.

During the normal course of their duties within the MS4 area, ARDOT maintenance, and environmental personnel will look for earth disturbing activities on ARDOT right of ways that do not appear to have erosion and sediment control BMPs installed. Such sites will be reported to the District Maintenance Engineer who will first attempt to contact the responsible entity and bring the suspected problem to their

attention. If this approach doesn't resolve the problem, ARDOT will seek assistance from the NPDES Enforcement Branch of DEQ.

In 2005 ARDOT began conducting annual training for its inspectors in proper erosion and sediment control measures and inspection methods for construction jobs. Beginning in 2007, similar training was offered to maintenance supervisors for erosion and sediment control practices required during routine roadway maintenance.

In 2006 ARDOT, Environmental Division personnel began conducting a quarterly visit to an ARDOT construction or maintenance job selected at random within the MS4 area for the purpose of identifying areas where erosion and sediment control measures could be improved. A report of the results will be provided to the District Engineer.

ARDOT maintains a publicly available website that contains the Standard Specifications for Highway Construction and the 2016 Erosion and Sediment Control Manual. These documents detail the BMPs available for use on ARDOT construction jobs, along with their intended application.

3.8.7 Reporting Requirements for the Department of Transportation

The ARDOT will report the following annually:

- Any revisions to the Standard Specifications for Highway Construction that incorporate new BMPs for construction site runoff and erosion control;
- The course description and dates of construction site runoff training classes conducted for its personnel within the geographical area covered by the Permit; and
- The job numbers, job locations, and dates of site visits.

All information will be provided to the City and will be included in the Annual Report submitted to the DEQ.

3.9 Industrial & High-Risk Runoff

3.9.1 Clean Water Act Objective

"A description of a program to monitor and control pollutants in stormwater discharges to municipal systems from municipal landfills, hazardous waste treatment, disposal and recovery facilities, industrial facilities that discharge stormwater associated with industrial activity as per the criteria within 40 CFR 122.26(b), and industrial facilities that the municipal permittee determines are contributing a substantial pollutant loading to the municipal storm sewer system. "

3.9.2 NPDES Permit Requirement

The City shall develop and implement a program to control pollutants in stormwater discharges to the MS4 from industrial facilities in accordance with 40 CFR Part 122.26(d)(2)(i)(A). The City will maintain a list of industrial facilities in the MS4 area that meet the criteria of 40 CFR 122.26 (b)(14) and which the City has determined are contributing a substantial load to the MS4; the list will also include any facilities discharging stormwater to the MS4 that are subject to Section 313 of SARA Title III; operating or closed municipal landfills; treatment, storage or disposal facilities for municipal waste; and hazardous waste treatment facilities.

The City will develop a program to inspect the facilities identified above. The inspections shall, at a minimum, consist of the following:

- Visual observation for illicit discharges and evidence of pollutant discharge to the stormwater entering the MS4;
- Identification of whether the facility being inspected has obtained coverage under the Arkansas Industrial General Stormwater Permit (IGP) or if the facility has an Individual NPDES Permit for commingled discharges;
- Determine if the facility has developed and implemented stormwater controls (review data onsite);
- Determine whether a facility has conducted stormwater analytical monitoring; and
- Provide documentation of the inspection to the facility being inspected.

The permit requires the development of an enforcement program by the City. The enforcement program is designed to ensure any stormwater violations observed during the inspections are corrected. The permit also requires the development of a monitoring program for stormwater sampling.

[3.9.3 Little Rock Program Activities](#)

In general, any industry operating within the MS4 area that meets the criteria within 40 CFR 122.26(b)(14) and which the City has determined are contributing a substantial pollutant load to the MS4 will have obtained coverage under the Arkansas Industrial General Stormwater Permit (IGP) issued by DEQ under the authority of the EPA. Any facility in the City that is determined to meet this criteria that isn't covered under the IGP will be referred to DEQ.

[3.9.3.1 Industry List](#)

The City currently maintains a list of industries within the MS4 area that have NPDES Industrial General Stormwater Permit coverage through DEQ. The database of industries maintained by the City is based on the list of Industries found in the DEQ Permit Data System (PDS). DEQ maintains an electronic Permit Data System which identifies all of the facilities within Arkansas that currently have active IGP coverage with DEQ. The PDS identifies all landfills and Temporary Storage and Disposal (TSD) facilities for municipal waste and hazardous waste treatment facilities. The City utilizes the current database to identify, update and maintain an inventory of all active stormwater permittees within the MS4 area. This list is cross-referenced with the list of municipal landfills and hazardous waste treatment facilities permitted by DEQ that may be within the MS4 area. Based on the definition of "Stormwater Associated with Industrial Activities" within Part 8.33 of the IGP, any facility operating within the City that is subject to the requirements of SARA Title 313 and has industrial activities/material exposed to

stormwater would be contained within the group of industries with IGP permit coverage. The current industrial list is shown in Attachment A.

New industries locating within the MS4 are required to provide a copy of the NOC issued under the Arkansas IGP or the IGP Certification of No Exposure to the City prior to beginning operations.

3.9.3.2 Inspection Program

The City has developed a program to utilize City staff to conduct routine inspections of the various industrial facilities. All of the industrial sites identified within the MS4 area will be inspected at least one (1) time within the five-year permit term. In general, the sites will be randomly selected to be representative of each of the five (5) permitted outfall drainage areas. However, if there is a complaint made regarding a specific industrial facility in discharge a specific area, this facility will be subjected to an inspection. Additionally, follow-up inspections may take place as needed, when corrective actions are required.

The inspections will consist of the following activities:

- Review of the facility NOC under the IGP or Certification of No Exposure;
- Review of the facility stormwater drainage map;
- Ensure facility has developed a SWPPP and it is maintained onsite;
- Visual evaluation of the facility for illicit discharges and potential uncontrolled sources of stormwater pollution (i.e. evidence of uncontrolled spills and leaks);
- Review of most recent Stormwater Annual Report (SWAR) and if required review the Corrective Action Plan for benchmark exceedances; and
- Written report/checklist with recommended control measures to minimize the potential for stormwater pollutants to enter the MS4, as necessary.

Industries scheduled for inspections will be notified of the inspection seven (7) days prior to the inspection. The notification will be sent to the Facility Manager. The notification will include a list of the documents shown above that the inspector will need to review.

3.9.3.3 Enforcement Program

Industries will be provided a written report of the inspection findings within twenty-one (21) business days of the inspection. The facility will have thirty (30) days to correct any issues identified and submit a written response and photographs (if needed) to the City detailing the corrective actions implemented. DEQ will be notified of any industry where significant non-compliance was identified and the facility failed to adequately implement corrective actions.

Significant non-compliance includes, but is not limited to, the following:

- Failure to provide proof of coverage under the Arkansas IGP;
- Lack of required recordkeeping (inspections, SWARs, Corrective Action Plans);
- Unauthorized non-stormwater discharges to the MS4;
- Visible spills and leaks exposed to stormwater;
- Improper liquid chemical/oil storage (i.e. no secondary containment, no labels, stacked haphazardly, etc.);
- Areas of excess erosion or sedimentation that could contribute pollutants to the stormwater runoff; and
- Poor housekeeping activities.

3.9.3.4 Monitoring Program

All facilities covered under the IGP are required to conduct annual stormwater monitoring for sector specific pollutants. Facilities within the MS4 will be required to show their most current monitoring results when

inspected. If a facility is unable to produce the current year or previous year monitoring results, said facility will be given forty-five (45) days to collect samples and provide proof to the City that they are meeting the benchmark values or an explanation as to why samples cannot be collected within that time frame. Facilities that fail to meet these requirements will be referred to the DEQ Water Enforcement Branch.

The City has five (5) stormwater outfalls. These outfalls are monitored quarterly for the parameters within Part 1 Section A of the NPDES Permit. The City will review the data from each monitoring event and if the data indicates an elevated value for that area, an evaluation of the respective drainage area will occur. This evaluation will include a review of all the inspections in the drainage area and any required corrective actions. Based on this review, the City may conduct follow-up inspections or may request that a specific industry, suspected of contributing to the detected pollutants, to conduct monitoring. The monitoring will be conducted for the pollutant of concern and at the direction of the City. Failure of the industry to comply with City Codes and the requirements of this program will result in City enforcement action and notification to DEQ Water Enforcement Branch.

[3.9.4 Reporting Requirements for Little Rock](#)

The City will maintain a database of industrial facilities that are permitted under the DEQ Industrial General Stormwater Permit that discharge stormwater to the MS4. Municipal facilities and landfills and hazardous waste facilities are included in this database. Industrial self-monitoring of stormwater (SWARs) will be reviewed by the City during the inspections. The analytical data derived from the samples collected by the City will be used to determine areas where additional inspections are needed and additional monitoring may be required. The City will include a list of all industrial facilities inspected in the Annual Report submitted to DEQ.

3.9.5 Department of Transportation Program Activities

Illicit discharges from industrial and high-risk facilities along ARDOT Rights-of-Ways (ROWs) are identified during the inspection of the drainage system and such incidents within the City are reported. The City will maintain a file of all information received from the ARDOT under this compliance element and will report summary and statistical information in the Annual Report.

3.10 Public Education Programs

3.10.1 Clean Water Act Objective

"A description of educational activities, public information activities, and other appropriate activities to facilitate the proper management and disposal of used oil and toxic materials. "

3.10.2 NPDES Permit Requirement

Implement a public education program, including a program: to promote, publicize, and facilitate public reporting of illicit discharges and improper disposal; to promote, publicize, and facilitate the proper management and disposal of household hazardous wastes and used motor oil; and to promote, publicize, and facilitate the proper use, application, and disposal of pesticides, herbicides, and fertilizers by private applicators.

3.10.3 Little Rock Program Activities

The City provides various conduits for illicit discharge reporting and conducts investigations regarding those illicit discharges, improper disposal of household hazardous wastes, and hazardous household waste. The City also conducts specific investigations relating to compliance with the MS4 permit. See activities and reporting requirements under Illicit Discharge and Improper Disposal in the System-Wide Requirements section of this Program.

The City's "311" phone service system and smartphone application allows public questions, comments, and reports to be forwarded to appropriate staff and addressed efficiently. This service system is publicized on the City's public access channel and the City's website. Reporting to this service system is available by telephone and at www.littlerock.gov.

As mentioned previously in Chapter 2.1 and Chapter 2.2 of this Program, the City funds the RRWRD. On behalf of the City the district communicates to the public information on the proper management and disposal of used motor vehicle fluids and household hazardous wastes. RRWMD personnel in partnership with the City of Little

Rock Sustainability Office, visit schools and other civic groups educating the audience on the hazards of household chemicals and how to improve stormwater quality.

City staff provides information on recycling, reduction of floatables, benefits of collecting solid waste and other solid waste issues to schools, civic groups, and at public meetings. Staff will continue providing information on how stormwater impacts creeks and water bodies and methods to prevent pollution of stormwater to schools, civic groups, and at public meetings.

The City's public access channel provides information on the City's stormwater program and particularly on proper management and disposal of household hazardous wastes, used motor vehicle fluids, pesticides, herbicides, fertilizers, and other pollutants. The City will continue broadcasting public announcements on public channels educating the public on how stormwater impacts creeks and water bodies and methods to prevent pollution of stormwater.

The City has several informational handouts or flyers that are available to interested individuals and organizations. The City's current flyers and handouts address household hazardous wastes, oils, litter, floatables, pet waste, herbicides and pesticides, and lawn irrigation. The City continues to develop new handouts or flyers and increase online messaging that will address household tips for water quality; stormwater impacts; and methods to prevent pollution of stormwater. These handouts are available at City facilities, community events, and on the internet at www.littlerock.gov.

The City will provide a link to ARDOT's environmental website accessible from the City's website at www.littlerock.gov which contains educational material and other stormwater related information.

As mentioned in Chapter 3.3, since 1995, the City has implemented the "Adopt-a-Street" litter control program. This program is advertised on billboards, city vehicles, internet and the City's public access channel. Public Works staff attend civic groups and public meetings promoting this program.

As mentioned previously in Chapter 3.5 of this Program, the City ensures, that supervisory personnel are trained in the use of pesticides, herbicides, and fertilizers, and that those employees are certified by the Arkansas Department of Agriculture. All

City departments require that contract applicators of pesticides, herbicides, and fertilizers on City projects be licensed by the Arkansas Department of Agriculture.

3.10.4 Reporting Requirement for Little Rock

The City's Annual Report will include a calculation methodology that shows that the public outreach efforts reach at least 50 percent of the population. The City will utilize various methods to demonstrate that public outreach efforts have met the 50 percent goal. The City will report annually, the number of public meetings and online messaging campaigns or other events where stormwater educational materials were distributed.

3.10.5 Department of Transportation Program Activities

The ARDOT participates in the "Keep Arkansas Beautiful" campaign and the Anti-Litter Task Force.

The ARDOT distributes educational handouts at all public meetings it conducts within the MS4 area each year. The handouts explain how stormwater impacts local water bodies and suggests ways the public can help to lessen these impacts.

The ARDOT has implemented an environmental website (<https://www.ardot.gov/divisions/environmental/natural-resources/stormwater-welcome-page/>) that contains educational material, information on the ARDOT's anti-litter campaign and other stormwater related information.

3.10.6 Reporting Requirement for the Department of Transportation

The ARDOT will report annually the number of public meetings or other events held within the MS4 area where stormwater educational material was distributed. Public information activities will be reported to the City and will be included in the Annual Report submitted to the DEQ.

4.0 REPRESENTATIVE MONITORING

4.1 Clean Water Act Objective

"A monitoring program for representative data collection for the term of the permit that describes the location of outfalls or field screening points to be sampled, why the location is representative, the frequency of sampling, parameters to be sampled, and a description of sampling equipment. "

4.2 NPDES Permit Requirement

Monitoring will be conducted on representative outfalls at locations described in Part I of the Permit (Outfalls 001, 002, 003, 005, and 006) on a quarterly basis. Quantitative data will be collected to estimate pollutant loadings and event mean concentrations for each parameter sampled. Records will be maintained of all analytical results, the date and duration of the storm event sampled, rainfall measurements or estimates of the storm event that generated the sampled runoff, the duration between storm events sampled, and an estimate of the total volume of the discharge sampled.

All necessary sampling will be collected to provide estimates for each major outfall for seasonal pollutant loadings and event mean concentrations for a representative storm event for the parameters for which the co-permittees must monitor. This information may be estimated from the monitoring results and shall take into considerations land uses and drainage areas for each outfall. The estimate of seasonal loadings and event mean concentrations will be included in the Annual Report.

4.3 Little Rock Program Activities

The City will ensure that seasonal samples (four (4) per year) from the five (5) identified discharge characterization locations (outfalls) are collected and analyzed during the term of the permit, per NPDES Permit requirements. Samples will be grab samples collected within the first two (2) hours of a discharge. The storm event samples must be 0.1 inches or greater in magnitude and occur at least 72 hours from the previously measurable storm event.

4.4 Reporting Requirement for Little Rock

The City will submit completed DMRs via the NetDMR online reporting system no later than the twenty-fifth (25th) day following the season (quarter) for which samples are required. Copies of all DMR results will be maintained electronically for at least three (3) years following the quarterly reporting date for which the samples are submitted.

4.5 Department of Transportation Program Activities

ARDOT will not directly participate in the sampling or analysis included in the monitoring program. ARDOT employees will report illicit discharges, including those identified by visual monitoring, including "dry weather" flows, for further investigation and sampling by the City. See Illicit Discharge and Improper Disposal Activities in the System-Wide Requirements section of this Program for more information.

5.0 SEASONAL LOADINGS AND BMP REDUCTION ESTIMATES

5.1 Clean Water Act Objective

"Estimated reductions in loadings of pollutants from discharges of municipal storm sewer constituents from municipal storm sewer systems expected as the result of the municipal stormwater quality management program. "

5.2 NPDES Permit Requirement

All necessary sampling will be collected to provide estimates for each major outfall of seasonal pollutant loadings and event mean concentrations for a representative storm event for the parameters for which the co-permittees must monitor. The estimate of seasonal loadings and event mean concentrations will be included in the Annual Report.

5.3 Little Rock Program Activities

The City will utilize information contained in the report "Verification and Adjustment of Regional Regression Models for Urban Storm-Runoff Quality Using Data Collected in Little Rock, Arkansas" (WRIR 94-4216, 1995).

5.3 Reporting Requirements for Little Rock

Seasonal loadings and event mean concentration estimates developed from sampling and analysis will be an ongoing program and will be addressed by the City, which will report annually on the status of this activity.

5.4 Department of Transportation Program Activities

The ARDOT will not directly participate in the sampling, analysis, or load reduction estimates included in this program element.

6.0 STORMWATER QUALITY MANAGEMENT PROGRAM REVIEW AND MODIFICATION

6.1 Clean Water Act Objective

"For each fiscal year to be covered by the permit, a fiscal analysis of the necessary capital and operation and maintenance expenditures necessary to accomplish the activities of the program elements of the Stormwater Quality Management Program. Such analysis will include a description of the source of funds that are proposed to meet the necessary expenditures, including legal restrictions on the use of such funds. "

"The SWQMP is to be reviewed to ensure that the program is protective of the water quality of the waters of the State".

6.2 NPDES Permit Requirement

Each co-permittee will participate in an annual review of the SWQMP. This will take place in conjunction with the preparation of the Annual Report. The review will include the following elements

- Status of the program implementation and compliance (or noncompliance) with all schedules contained in the permit;
- Assessment of the effectiveness of the controls within the SWQMP;
- A review of all monitoring data and trends in the estimated cumulative annual pollutant loadings; and
- Assessment of any required modifications needed to comply with the CWA 402 (p)(3)(B)(iii) requirements to reduce the discharge of pollutants to the MS4.

The City will report the finances, staff, equipment, and support capabilities to implement the Program as a component of the Annual Report.

6.3 Little Rock Program Activities

The City will utilize the information gathered during the inspections and obtained from the seasonal monitoring to verify compliance with the SWQMP. The City will work with various City Departments to ensure that the objectives of the Program are met.

The City prepares annual budgets and/or estimates. The City, through its MIS system, tracks actual costs of activities. This information will be used for compilation of the Annual Report.

6.4 Reporting Requirement for Little Rock

The Annual Report will include the actual costs, staff, equipment, and support capabilities for the current year and the estimated total budget amounts for the next year.

If the annual review indicates deficiencies in the program requiring modification of the SWQMP, a written notification and request for approval to modify the SWQMP will be submitted to DEQ.

6.5 Department of Transportation Program Activities

ARDOT will provide annual budget expenditures in the annual report.

6.6 Reporting Requirement for the Department of Transportation

A summary of ARDOT financial information will be included in the Annual Report to the DEQ. The initial report will include the actual yearly budget information for affected programs, as well as the next year's projected budget for each affected program. Financial information provided is specific to District Six.

7.0 Annual Report

7.1 NPDES Permit Requirement

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 and expiration date of the permit. The Report shall include an overview of the entire MS4 with subsections for the co-permitted as applicable.

7.2 Little Rock Program Activities

The City will compile and submit the Annual Report. At a minimum, the Report will include the following:

- Proposed changes to the stormwater quality management program;
- Update on areas added to the MS4 due to annexation or other legal means;
- Revisions, as needed, to the assessment of controls and fiscal analysis reported in then permit application submitted to DEQ;
- A summary of the data, including monitoring data and inspections conducted during the fiscal year;
- Estimated expenditures and projected budget for the year following each Annual Report;
- A summary describing the number and nature of enforcement actions, inspections and public education programs; and
- Identification of water quality improvements or degradation.

7.3 Department of Transportation Activities

ARDOT will provide the information required above as it relates to the ARDOT program to the City to be included in into the Annual Report.

Attachment A
Industry List

Facility Address	Facility City	AFIN	Facility Name	Permit Number	Permit Media	Permittee Contact	Contact Phone
65TH & ARCH ST	LITTLE ROCK	6000414	3M-ARCH STREET PLANT	AR0001414	Water-NPDES	Martin Green	5014908710
3110 WALTERS RD	LITTLE ROCK	6000003	3M COLLEGE STATION PLANT	0039-AOP-R16	Air		
6623 COLONEL GLENN RD	LITTLE ROCK	6001166	A. AUTO SALVAGE & SALES	ARR00B360	Water-NPDES	Terry Nagel	5015628862
6902 BRODIE LANE	LITTLE ROCK	6000529	ABC BLOCK COMPANY	ARR000848	Water-NPDES	Chris Corbitt	5014552027
8116 STAGECOACH	LITTLE ROCK	6001488	ABC SALVAGE & SCRAP METAL, INC	ARR00B957	Water-NPDES	Kim Ford-Dwyer	5014552225
1001 TEMPLE	LITTLE ROCK	6000409	Adams Field Water Reclamation	2095-AR-1	Air		
16101 S ALEXANDER RD	ALEXANDER	6001514	AEXANDER PLANT 603	ARR00A839	Water-NPDES	Jeff Hollingshead	6153551028
1500 E.22ND.St.	Little Rock	6001771	AFCO Steel-22nd St Facility	ARR00C261	Water-NPDES	Bill Snyder	5013406311
1423 E 6Th St	Little Rock	6004420	AFCO Steel-6th Street Facility	ARR00C262	Water-NPDES	Bill Snyder	5013406311
1911 W 65TH ST	LITTLE ROCK	6000659	ALLIED WASTE HAULING FACILITY	ARR00B777	Water-NPDES	Slade Patterson	5016071414
10500 ARCH ST PIKE	LITTLE ROCK	6000005	ALUCHEM OF LITTLE ROCK, LLC	ARR000454	Water-NPDES	Ken Sierk	5014869106
12401 I-30	LITTLE ROCK	6000080	Amazon Delivery Station DLR2	ARR00A296	Water-NPDES	Bradley Brunt	5014556745
800 SOUTH GAINES	LITTLE ROCK	6000615	ARK GRAPHICS	ARR001581	Water-NPDES	Julie Johnson	5013768436
9001 LINDSEY RD.	LITTLE ROCK	6001305	ARK RIVER TERMINAL	ARR00B850	Water-NPDES	Fred Long	5014901521
1910 W 65TH ST	LITTLE ROCK	8801019	ARKANSAS AGGREGATES	1916-AGP-089	Air		
1610 E 9TH ST	LITTLE ROCK	6004304	ARKANSAS PAINTING/SPECIALTIES	ARR00B233	Water-NPDES	Randy Haynes	5013764617
2715 WEST 10TH	LITTLE ROCK	6001215	ARROW COACH LINES, INC	ARR00B692	Water-NPDES	Jim Lienhart	5016636002
1000 FAIRPOINT	LITTLE ROCK	6000248	BEMBERG IRON WORKS	ARR00A380	Water-NPDES	Robert Bemberg	5013763358
3817 MABELVALE PIKE	LITTLE ROCK	6000565	BFI WASTE SYSTEMS OF ARK,LLC	ARR000029611	Haz Waste EPAID	Heath Lockley	9018738331
#1 Airport Rd	Little Rock	6001136	Bill/Hillary Clinton Nat.Air.	ARR00B632	Water-NPDES	Randy Ellison	5015377320
3403 E ROOSEVELT	LITTLE ROCK	6001233	CARCO RENTALS-LITTLE ROCK	ARR00B722	Water-NPDES	Kenneth Watts	5013780777
3314 J E DAVIS DR	LITTLE ROCK	6001970	CITY OF LITTLE ROCK-CENTRAL	ARR000323	Water-NPDES	Bruce Moore	5019184200
2701 E ROOSEVELT RD	LITTLE ROCK	6000049	CT-GS BUILDING PRODUCTS, INC.	ARR00B643	Water-NPDES	Denisha Clayton	5013759173
4611 Thibault Rd	Little Rock	6000027	Darling Little Rock	ARR000177	Water-NPDES	Jeff Williams	5014900364
1800 E 14TH ST	LITTLE ROCK	6004588	DAVIS RUBBER CO II	ARR001174	Water-NPDES	Roger Davis	5013742166
1800 E 14TH ST	LITTLE ROCK	6004588	DAVIS RUBBER CO II	0030-SWTP	Tire Processors		
1600 E 15TH	LITTLE ROCK	6001145	DAVIS RUBBER COMPANY, INC	0002-SWTP-R2	Tire Processors	Roger Davis	
1600 E 15TH	LITTLE ROCK	6001145	DAVIS RUBBER COMPANY, INC	ARR00B152	Water-NPDES	Roger Davis	5013742166
7609COLONEL GLENN RD	LITTLE ROCK	6000325	DAVIS TRAILER & TRUCK EQUIP	ARR001577	Water-NPDES	Chester Mercer	5015626295
7609COLONEL GLENN RD	LITTLE ROCK	6000325	DAVIS TRAILER & TRUCK EQUIP	2071-AR-1	Air		
8801 FRAZIER PIKE	LITTLE ROCK	6004423	DELTA PLASTICS OF THE SOUTH	ARR000611	Water-NPDES	T?im Shambro	5014900395
6401 LINDSEY RD	LITTLE ROCK	6000194	DEMOCRAT PRINTING & LITHOGRAPH	1074-AR-6	Air		
1 COOPERATIVE WAY	LITTLE ROCK	6000557	ELECTRIC RESEARCH & MFG. CO-OP	ARR000652	Water-NPDES	David Harris	5015702388
1807 E 23RD ST	LITTLE ROCK	6004547	ESCO PROCESSING & RECYCLING	ARR001124	Water-NPDES	Patti Meisenbacher	4798996443
5800 MURRAY ST	LITTLE ROCK	6000059	ESSICK AIR PRODUCTS	ARR00A823	Water-NPDES	Mike Stevens	5015621094
3801 EAST 10TH	LITTLE ROCK	6000617	FALCON JET CORP (DASSAULT)	1876-AOP-R13	Air		
1500 WESTPARK DR	LITTLE ROCK	6000052	FEDERAL EXPRESS	ARD137656278	Haz Waste EPAID	DWIGHT WEST	5016644684
10620 COLONEL GLENN RD	LITTLE ROCK	6004239	FEDERAL EXPRESS LITTLE ROCK	ARR001230	Water-NPDES	Karen Ellis	9014348429
5701 LINDSEY RD	LITTLE ROCK	6001365	FEDEX FREIGHT, INC	ARD983272808	Haz Waste EPAID	YOLANDA MITCHELL	5018607904
#8 INDUSTRIAL PARKWAY	LITTLE ROCK	6004768	FEDEX GROUND PACKAGE SYSTEM	ARR001562	Water-NPDES	Gaylyn Frosini	4122627347
2700 W 65th St	Little Rock	6000118	FIBER GLASS SYSTEMS	0587-AR-12	Air		
5400 MURRAY ST.	LITTLE ROCK	6003026	FIRST STUDENT, INC #20923	ARR000651	Water-NPDES	Tameula Smith	5014474130
1300 BOND	LITTLE ROCK	6000071	FORTERRA PIPE & PRECAST, LLC	ARR00A532	Water-NPDES	Brian Ameen	5013763581
9500 Birdwood	Little Rock	6001021	Fourche Crk Water Reclamation	AR0040177	Water-NPDES	Eric Wassell, Plant Super	5014905402
7777 SLOANE DR	LITTLE ROCK	6001897	GEORGE FISCHER HARVEL	ARR00C387	Water-NPDES	Thad Snowden	5014907242
10909 E OTTER CREEK RD	MABELVALE	6001490	HANDLING SYSTEMS & CONVEYORS	ARR00C182	Water-NPDES	Zachary Adams	5014555898
1209 VOGLER ST	LITTLE ROCK	6003646	HESLEP CONCRETE CO	ARR00B370	Water-NPDES	Jeff Heslep	5016649400
6901 I-30	Little Rock	6002038	Hiland Dairy	ARR00C431	Water-NPDES	Cherb Coleman	5017481700
2401 E Roosevelt Rd	Little Rock	6004883	Hill Oil Co., a RelaDyne C o.	ARR001590	Water-NPDES	Michael Shinn	5013743002

Facility Address	Facility City	AFIN	Facility Name	Permit Number	Permit Media	Permittee Contact	Contact Phone
5502 W 65TH ST	LITTLE ROCK	6001029	HILLCREST CAMSHAFT SERVICE	1984-AR-1	Air		
12412 SARDIS RD.	MABELVALE	6300143	HORTON & HORTON PRINTING	ARR00A656	Water-NPDES	Roger Horton	5014553168
4302 W 65TH ST	LITTLE ROCK	6004559	HOTFOOT	ARR001041	Water-NPDES	Dan Lasater	5015695300
5721 STAGECOACH RD.	LITTLE ROCK	6001304	HWY 5 AUTO SALVAGE & SALES	ARR00B853	Water-NPDES	Mike Sobba	5014550024
5705 PATTERSON ROAD	LITTLE ROCK	6001963	INDUSTRIAL OILS UNLIMITED OFAR	ARR00B132	Water-NPDES	Mike Stephens	5015689531
7415 LINDSEY RD	LITTLE ROCK	6002270	INTERSTATE HIGHWAY SIGNS CORP	AR0000362756	Haz Waste EPAID	MICHAEL M MANTUANO	5014903819
338 PLEASANT VALLEY DRIVE	LITTLE ROCK	6001190	J.H.WILSON WATER TREAT.PLANT	AR0047937	Water-NPDES	Robert Hart, Technical Service	5013771344
5701 MURRAY ST	LITTLE ROCK	6000230	LANXESS CORP	1278-A-REG315	Air		
8900 FOURCHE DAM PIKE	LITTLE ROCK	6001801	LEXICON, INC.	2022-AR-7	Air		
24924 Chenal Pkwy	Little Rock	6004200	Little Maumelle Water Reclama.	ARR000873	Water-NPDES	Walter Collins	5016881429
3313 J E DAVIS DR	LITTLE ROCK	8800233	LITTLE ROCK CITY ASPHALT	0838-A	Air		
8801 KNOEDL COURT	LITTLE ROCK	6004867	LITTLE ROCK CREMATIONS, INC.	1976-AGP-089	Air		
9300 LINDSEY ROAD	LITTLE ROCK	6001494	LITTLE ROCK HARBOR SERVICES	AR0048895	Water-NPDES	Paula Hastings, Seretary	5016643174
10803 IRONTON CUTOFF	LITTLE ROCK	6001071	LITTLE ROCK MUNICIPAL LANDFILL	ARG160036	Water-NPDES	Nathan J. Charles	5018884492
6000 Sloane Dr	Little Rock	6004938	Little Rock PEC	ARR001797	Water-NPDES	Elizabeth Parsley	3617288946
6801 ALLIED WAY	LITTLE ROCK	6001512	Little Rock Plant 605	ARR00A680	Water-NPDES	Jeff Hollingshead	6153551028
10701 IRONTON CUTOFF	LITTLE ROCK	6000408	LITTLE ROCK PUBLIC WORKS	ARS000002	Water-NPDES	Ben V. Floriani, Design Review	5013714817
5901 SLOANE DR	LITTLE ROCK	6004213	LITTLE ROCK QUICK RICE, LLC	ARR000732	Water-NPDES	Josuha Nix	5014900542
#1 JONESBORO DRIVE	LITTLE ROCK	6000670	LITTLE ROCK ZOO	AR0037745	Water-NPDES	Tony Dawson, Facilities Mngr.	5016612406
7400 SCOTT HAMILTON	LITTLE ROCK	6004196	LM Wind Power Blades (USA) Inc	ARD006341119	Haz Waste EPAID	DONALD DRAPER	5018016341
8000 Frazier Pike	Little Rock	6004199	LM Wind Power Blades (USA),Inc	ARR000405	Water-NPDES	Donald Draper	5018016366
INDUSTRIAL HARBOR DR &	LITTLE ROCK	6004451	LOGISTIC SVC/SLACKWATER HARBOR	ARR000716	Water-NPDES	Fred Long	5014901521
1 MI E OF HWY 5 & I-430	LITTLE ROCK	6002233	MCCOWEN'S TOP SOIL	0548-MN-A2	Mining-Non-Coal	Mr. Ricky McCowen	5012258790
10500 ARCH STREET PIKE, APP.	LITTLE ROCK	6001769	MCGEORGE CONTR/RAUCH-HERNDON	ARR000808	Water-NPDES	Charles Jones	5015931450
10500 ARCH STREET PIKE, APP.	LITTLE ROCK	6001769	MCGEORGE CONTR/RAUCH-HERNDON	AR0001503	Water-NPDES	Draw Chism, Engineer	5014906078
.25 MILE SE OF ARCH ST. PIKE &	LITTLE ROCK	6001878	MCGEORGE CONTRACTING CO, INC.	0011-MN-A6	Mining-Non-Coal	Mr. Glenn Golson	5734733626
.25 MILE SE OF ARCH ST. PIKE &	LITTLE ROCK	6001878	MCGEORGE CONTRACTING CO, INC.	0011-MN-A9	Mining-Non-Coal	Mr. Chuck Jones	8705347120
APP..25 M/S OF COLLEGE STATION	COLLEGE STATION	6004038	MINNESOTA MINING & MFG	0110-MN-A2C	Mining-Non-Coal	Mr. Ray A. Williams, P.E.	5015572783
1701 E 22ND ST	LITTLE ROCK	6002229	NAT.CUSTOM HOLLOW METAL DOORS	2050-AR-2	Air		
4501 THIBAUT RD	LITTLE ROCK	6002225	NATURAL STATE RECYCLING, INC.	ARR00C410	Water-NPDES	Cope Hughes	5014900500
9712 MANN RD	LITTLE ROCK	6003966	NEWOODS,INC DBA ABC BLOCK CO	ARR00C201	Water-NPDES	Chris Corbitt	5014552027
8TH AND MAIN	NORTH LITTLE ROCK	6001017	NLR ELECTRIC COMPANY	AR0048542	Water-NPDES	Jessica Stephens, Systems Eng.	5019758789
10000 INDUSTRIAL HARBOR DR	LITTLE ROCK	6004847	NORTH LITTLE ROCK ENERGY LOG.	ARR001696	Water-NPDES	Odely Sakazi	4029524906
7920 SLOANE DR	LITTLE ROCK	6004008	NOVUS ARKANSAS, LLC	ARR000217	Water-NPDES	John Farmer	5014901447
2200 E ROOSEVELT	LITTLE ROCK	6001154	NOVUS INTERNATIONAL, INC	ARR000023929	Haz Waste EPAID	JOHN M FARMER	5014922201
NORTH MARTIN & HILL	LITTLE ROCK	6001188	OZARK POINT WATER TREAT. PLANT	AR0047929	Water-NPDES	Robert Hart, Technical Service	5013771344
8909 MABELVALE PIKE	LITTLE ROCK	6000745	PARKER SOLVENTS	ARR00A377	Water-NPDES	Holly Dempsey	4797852321
# 9 TRIGON PLACE	LITTLE ROCK	6002416	PERFECTION PLUS	ARR000071	Water-NPDES	Walter Ederle	5012210394
4901 Asher Ave	LITTLE ROCK	6001231	Performance Foodservice LR	ARR000866	Water-NPDES	Gary Workman	5015683141
10701 I-30	LITTLE ROCK	6000079	PHELPS FAN, LLC	ARR00B352	Water-NPDES	Mark Burleson	5015685550
10312 BASELINE ROAD	LITTLE ROCK	6001177	PICK-N-PULL/LITTLE ROC K	ARR00B467	Water-NPDES	Kevin Graham	9168583116
10300 ARCH ST PIKE	LITTLE ROCK	6000004	POROCCEL INDUSTRIES, LLC	ARR00A087	Water-NPDES	Adrian Hawkins	5018881357
4300 W 65TH ST, BAY H	LITTLE ROCK	6004932	PPG INDUSTRIES 65TH WHSE	ARR000030908	Haz Waste EPAID	CHRIS TRUSIK	5012359192
11605 VIMEY RIDGE RD	ALEXANDER	6000781	PPG INDUSTRIES, INC	ARR00A023	Water-NPDES	Neal Nicastro	5014554500
8606 MABELVALE PIKE	LITTLE ROCK	6001137	R & L CARRIERS=LRA	ARR001153	Water-NPDES	Gerald A. Krisa	8005435589
7900 SLOAN RD.	LITTLE ROCK	6001309	RECYCLE AMERICA OF ARKANSAS	ARR00B885	Water-NPDES	Jodi A Reynolds	5019827336
6999 Allied Way	Little Rock	6004888	Republic Services	ARR000029629	Haz Waste EPAID	Heath Lockley	9019738331
9125 I-30	LITTLE ROCK	6000680	RIGGS, J A TRACTOR	ARR00A126	Water-NPDES	Michael Marrs	5015703526
9000 Frazier Pike	Little Rock	6004860	Ring Container Technologies	ARR001689	Water-NPDES	Ray Lovelace	5014904300

Facility Address	Facility City	AFIN	Facility Name	Permit Number	Permit Media	Permittee Contact	Contact Phone
3700 OLD SHACKLEFORD RD	LITTLE ROCK	6001640	ROL-LIFT CORP.	ARD053266966	Haz Waste EPAID	RAHKHODA KIANI	5012274200
2500 VINSON RD	LITTLE ROCK	6004606	RUFFIN FILL PROPERTY	ARR001157	Water-NPDES	Nick Ruffin	5018514345
1000 BLOCK OF OLD ARKANSAS DR	LITTLE ROCK	6004661	RUSSELL RAINEY SITE IMPROVMENT	ARR154511	Water-NPDES	Russell Rainey	5013663487
8401 LINDSEY ROAD	LITTLE ROCK	6000471	SAFETY-KLEEN,LR PETRO STORAGE	ARR000729	Water-NPDES	Chris Moran	5014901613
11727 ARCH ST PIKE	LITTLE ROCK	6000635	SAFETY KLEEN-LITTLE ROCK	ARR00B610	Water-NPDES	Les Bentley	5018881782
OFF HWY 5 @ SALINE &	ALEXANDER	6300546	SALINE COUNTY MATERIALS, LLC	ARR001440	Water-NPDES	Nick Ruffin	5018514345
8201 FRAZIER PIKE	LITTLE ROCK	6000419	SKIPPY FOODS, LLC	ARR00A620	Water-NPDES	Roger Vos	
1300 E 9TH	LITTLE ROCK	6000433	SOL ALMAN COMPANY	ARR00B415	Water-NPDES	Ted Tedford	5013725222
6103 LINDSEY RD	LITTLE ROCK	6000949	SOUTHEASTERN FREIGHT LINES	ARR001077	Water-NPDES	Tony Devore	8037940047
11900 STAGECOACH RD	LITTLE ROCK	6000800	SOUTHERN TANK CLEANING	ARD982548695	Haz Waste EPAID	SCOTT A GENTRY	5014555200
2330 CANTRELL	LITTLE ROCK	6000179	STECO CORP, THE	ARD006337141	Haz Waste EPAID	MIKE SMITH	5013755644
2330 CANTRELL	LITTLE ROCK	6000179	STECO CORP, THE	ARR00A895	Water-NPDES	Ken Gaines	5013755644
5800 FROZEN ROAD	LITTLE ROCK	6002565	Sysco Arkansas	ARR000731	Water-NPDES	Chad Butler	5015624111
2201 BOND	LITTLE ROCK	6003216	TAC AIR	ARR000796	Water-NPDES	Rick Shingleur	9037943835
8909 Fourche Dam Pike	Little Rock	6002021	Ty Garments	ARR001735	Water-NPDES	Levi Wu	5013135513
800 TEMPLE ST	LITTLE ROCK	6002015	UNITED PARCEL SVC	ARR000005694	Haz Waste EPAID	CHRIS SCHAFFHAUSER	5014903656
5501 FOUCHE DAM PIKE	LITTLE ROCK	6002279	UNITED PARCEL SVC LR HUB	ARR00B385	Water-NPDES	Ed Vadbunker	5014903602
1913 E ROOSEVELT RD	LITTLE ROCK	6001239	UPS GROUND FREIGHT	ARR00B784	Water-NPDES	Ed Vadbunker	5014903602
7424 Lindsey Rd	Little Rock	6004978	USALCO Little Rock Plant, LLC	ARR001857	Water-NPDES	Craig Owen	5014140447
1500 E 22ND ST	LITTLE ROCK	6000065	W & W- AFCO STEEL, LLC	1043-AOP-R6	Air		
2900 W 68th	Little Rock	6001143	Wate Mgt., Little Rock Hauling	ARR00B273	Water-NPDES	Jodi Reynolds	5019938966
11601 OTTERCREEK RD S	MABELVALE	6001194	WATKINS COMPANY	1621-AR-7	Air		
8200 FRAZIER PIKE	LITTLE ROCK	6004385	WELSPUN PIPES	ARR001112	Water-NPDES	Martin Cain	5013018800
9301 FRAZIER PIKE	LITTLE ROCK	6004184	WELSPUN TUBLAR, LLC	ARR000374	Water-NPDES	Martin Cain	5013018800
Site on NW corner of	Little Rock	6005003	Welspun Tubular LLC	ARR156692	Water-NPDES	Nathan Vibhakar	5015800851
12705 ALEXANDER RD	LITTLE ROCK	6000190	WILBERT BURIAL VAULT CO, INC	ARR00A155	Water-NPDES	Linda P. Graves	5014552426
5800 SCOTT HAMILTON DR	LITTLE ROCK	6000046	WINDSOR DOOR, LLC	ARR000215	Water-NPDES	Igor Hilden	5015681872
6101 LINDSEY RD	LITTLE ROCK	6001161	XPO LOGISTICS FEIGHT, INC	ARR00B324	Water-NPDES	Jeff Sexten	7347571657
4500 W. 65TH ST.	LITTLE ROCK	6001198	YRC, INC (580)	ARR00B619	Water-NPDES	Ruben Byerley	5015680110

Attachment B
NPDES Permit ARS000002



ARKANSAS

ENERGY & ENVIRONMENT

September 10, 2020

CERTIFIED MAIL RETURN RECEIPT REQUESTED: (9489 0090 0027 6226 5198 72)

Jon F. Honeywell
City of Little Rock
701 West Markham Street
Little Rock, AR 72201

RE: NPDES Permit Number ARS000002, AFIN 60-00408

Dear Mr. Honeywell:

This Certificate of Service constitutes notice of the Division's final permit decision and a copy of the final permit is enclosed.

All persons submitting written comments during the thirty (30) day public comment period, and all other persons entitled to do so, may request an adjudicatory hearing and Commission review on whether the decision of the Director should be reversed or modified. Such a request shall be in the form and manner required by Rule 8.603, including filing a written Request for Hearing with the APC&E Commission Secretary at 101 E. Capitol Ave., Suite 205, Little Rock, Arkansas 72201 within thirty (30) calendar days of the date of issuance of this final permit decision as provided in Reg. 8.211(B)(1). If you have any questions about filing the request, please call the Commission at 501-682-7890.

I, Amanda Blackmon, hereby certify that a copy of this permit has been mailed by first class mail to Jon F. Honeywell at 701 West Markham Street in Little Rock, AR 72201.

A handwritten signature in black ink, reading 'Amanda L. Blackmon'.

Amanda Blackmon
Administrative Specialist
Office of Water Quality, Division of Environmental Quality
5301 Northshore Drive, North Little Rock, AR, 72118

Permit Number: ARS000002

AFIN: 60-00408

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 Department of Transportation
P.O. Box 2261
Little Rock, AR 72203

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, thence 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' 40"; Longitude: 92° 20' 35"
Outfall 002: Latitude: 34° 43' 23"; Longitude: 92° 21' 38"
Outfall 003: Latitude: 34° 45' 11"; Longitude: 92° 25' 54"
Outfall 005: Latitude: 34° 44' 03"; Longitude: 92° 14' 51"
Outfall 006: Latitude: 34° 42' 03"; Longitude: 92° 15' 33"

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

Effective Date: January 1, 2020
Modification Effective Date: October 1, 2020
Expiration Date: December 31, 2024



Robert E. Blanz, Ph.D., P.E.
Associate Director, Office of Water Quality
Division of Environmental Quality
Arkansas Department of Energy and Environment

9/9/2020

Modification 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
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
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
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 Dr.).

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
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
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 must review and revise the Stormwater Quality Management Program (SWQMP) sections regarding construction site runoff, public education, and industrial runoff to meet the new requirements of the permit. The co-permittees shall submit to DEQ their suggested revisions to the SWQMP within eighteen (18) months following the effective date of the permit. The co-permittees have up to the duration of this permit to implement new policies and ordinances as outlined in the approved SWQMP.

All information required by this compliance schedule shall be submitted to the Division within the time period specified above. Reports must be submitted to the following address:

Arkansas Department of Energy and Environment
Division of Environmental Quality
Enforcement Branch, Office of Water Quality
5301 Northshore Drive
North Little Rock, AR 72118-5317
water-enforcement-report@adeq.state.ar.us

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 APC&EC Rule No. 9 (Fee Rule) as required by Part 3.9 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 APC&EC Rule No. 2, as amended, (Rule 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 APC&EC Rule No. 2, 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, rules, 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 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.

3.8 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.

3.9 Permit Fees

The co-permittees shall comply with all applicable permit fee requirements for stormwater discharge permits as described in APC&EC Rule No. 9. 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 Parts

122.64 and 124.5 (d), as adopted in APC&EC Rule No. 6 and the provisions of APC&EC Rule No. 8.

3.10 **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.

3.11 **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, rules, or regulation. .

3.13 **Reopen Permit**

Pursuant to 40 CFR Parts 122.62, 122.64, and 124.5, this permit may be reopened for modification or revocation and/or reissuance.

3.14 **Duty to Mitigate**

The permittee must take all reasonable steps to minimize or prevent any discharge in violation of this permit that has a reasonable likelihood of adversely affecting human health or the environment.

3.15 **Local, State, and Federal 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 local, state, or federal law or regulation, or any applicable state law or regulation under authority preserved by section 510 of the Clean Water Act.

No condition of this permit releases the co-permittees from any responsibility or requirements under other environmental statutes, rules, or regulations.

3.16 **Proper Operation and Maintenance**

The co-permittees must at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used to achieve compliance with the conditions of this permit and with the conditions of the permittees' stormwater management program. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. Proper operation and maintenance requires the operation of backup or auxiliary facilities or similar systems, installed only when the operation is necessary to achieve compliance with the conditions of the permit. The co-permittees are allowed to use a third-party laboratory that meets

these requirements.

3.17 **Need to Halt or Reduce Activity Not a Defense**

It shall not be a defense for a co-permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

3.18 **Other Information**

If a co-permittee becomes aware of a failure to submit any relevant facts in the permit application or that incorrect information was submitted in the permit application or in any other report to the permitting authority, the co-permittee must promptly notify the permitting authority and submit such facts or information in its possession.

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 ensure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be calibrated and maintained to ensure 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 Stormwater Quality 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 ensure accuracy of measurements and shall ensure 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 ensure 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**

40 CFR Part 127.11 (a)(1) and 40 CFR Part 127.16 (a) require that monitoring reports must be reported on a Discharge Monitoring Report (DMR) and filed electronically. Signatory Authorities must initially request access for a NetDMR account. Once a NetDMR account is established, access to electronic filing should use the following link <https://cdx.epa.gov>. Permittees who are unable to file electronically may request a waiver from the Director in accordance with 40 CFR Part 127.15. Monitoring results obtained during the previous monitoring period shall be summarized and reported on a DMR dated and submitted no later than the 25th day of the month, following the completed reporting period beginning on the effective date of the permit.

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 Part 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 in 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 three (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 performed;
- 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 that 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 twenty-four (24) hours from the time the co-permittees become aware of the circumstances. A written submission shall also be provided within five (5) days of the time the co-permittees become 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 twenty-four (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 twenty-four (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 twenty-four (24) hours.

5.5 Other Noncompliance

The co-permittees shall report all instances of noncompliance not reported under Parts 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 APC&EC Rule 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 Changes to Authorization. If an authorization is no longer accurate because a different operator has the responsibility for the overall operation of the MS4, a new authorization satisfying the requirement of Part 5.8.2 above must be completed prior to or together with any reports, information, or notices of intent to be signed by an authorized representative.

5.8.4 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 APC&EC Rule 6, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Division 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 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 recycling 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 that 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 recycling, 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 shall implement a public education and outreach program to distribute educational materials to the community or conduct equivalent outreach activities about the impacts of stormwater discharges on water bodies. The program shall include more than one mechanism and target at least three (3) different stormwater themes or messages annually. The stormwater public education and outreach program shall be calculated to reach at least 50 percent of the population of the City of Little Rock over of the permit term.
- 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 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 Department of Transportation will inspect 20 percent of the drainage system each year and high priority areas at least once per month. Areas with recurring drainage problems shall be inspected more frequently. 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 that 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) one (1) or more acres within their MS4 boundary of the requirement to contact the Arkansas Department of Energy and Environment – Division of Environmental Quality (DEQ), Office of Water Quality, about the stormwater regulations and how to obtain coverage under NPDES Construction Stormwater General Permit (ARR150000). The City of Little Rock shall also notify sites of the need 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 five (5) acres or greater within their MS4 boundary of the requirement that they must submit a Notice of Intent (NOI), permit fee, and SWPPP to the Division 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 MEP, the discharge of pollutants. The Arkansas Department of Transportation will sweep all State Highway routes within the City of Little Rock on which curbs and barrier walls are provided once per month. All other areas will be swept on a maintenance schedule established by the District Engineer. The City of Little Rock will sweep the Central Business District three (3) times a week, 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 that will include the number of sweeper units used, amount of debris collected (weight or volume), and problem areas that 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 and herbicides 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 Division.
- 6.2.6.1 The following categories of non-stormwater discharges are not prohibited unless the City of Little Rock or the Division 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 MEP and report to the Division.
- 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 Part 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;
 - r. street wash waters;
 - s. Unless otherwise permitted or regulated by DEQ, discharges of gray water from municipal splash pads (also known as spray ponds or spray grounds), provided the discharges comply with all applicable municipal or county ordinances enacted or

pursuant to law. Discharges from recirculating systems shall be dechlorinated prior to discharge.

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 Part 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 Division 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 continue to implement and enforce 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 minimize pollutant discharges to the MS4 during the time construction is underway. All construction stormwater requirements and regulations must not be less stringent than the DEQ construction stormwater general permits;
- 6.2.8.2 procedures for site planning that 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 that will include, at minimum, monthly inspections of construction sites that disturb equal to or greater than one (1) acre of land. The inspection shall document that the site is in compliance with all City of Little Rock

- permit(s) and construction stormwater requirements and that stormwater controls are in place and effective in minimizing pollutant discharges. If the construction site is out of compliance with the conditions of the City of Little Rock grading permit or other construction stormwater requirements, 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 five (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 five (5) tons per acre per year soil loss tolerance. In addition, ARDOT will continue to develop and make available standard details, specifications, and/or manuals identifying acceptable Best Management Practices that must be used on ARDOT projects at construction sites that have more than one (1) 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.
- 6.2.8.7 The annual report will include the number of construction sites that disturb over five (5) acres of land. In addition, the report will include the number of construction sites that disturb less than five (5) acres of land, but equal to or greater than one (1) acre of land.
- 6.2.9 Industrial Runoff: The City of Little Rock shall develop and implement a program to control pollutants in stormwater discharges to the MS4 from industrial facilities through ordinance, permit contract, order or similar means, in accordance with 40 CFR Part 122.26(d)(2)(i)(A). This program shall include, at minimum:
- 6.2.9.1 maintaining an inventory of industrial facilities in the MS4 area consisting of:
- facilities that meet the definition provided in 40 CFR Part 122.26(b)(14) and which the City of Little Rock has determined are contributing a substantial pollutant load to the MS4;
 - facilities subject to Section 313 of Title III of the Superfund Amendments and Reauthorization Act (SARA);
 - operating or closed municipal landfills;
 - treatment, storage, or disposal facilities for municipal waste; and
 - hazardous waste treatment facilities.
- 6.2.9.2 a plan to inspect industrial facilities identified in accordance with Part 6.2.9.1. The inspections shall, at a minimum, consist of the following criteria:
- conduct a visual observation for evidence of illicit discharges and the potential discharge of pollutants to stormwater;
 - determine whether the facility has coverage under the NPDES Industrial Stormwater

- general permit;
- c. require the facilities to implement and maintain stormwater control measures as necessary to minimize stormwater pollution;
- d. if required, determine whether facility has performed analytical monitoring; and
- e. documentation of the inspection.

6.2.9.3 an enforcement program to ensure all violations found during inspections are corrected.

- 6.2.9.4 a monitoring program associated with facilities included in Part 6.2.9.1 of this permit, that includes stormwater sampling for the following parameters:
- a. any pollutants limited in the effluent limitations guidelines for the subcategory of the industry;
 - b. any pollutant that is listed in an existing NPDES discharge permit for the facility;
 - c. oil and grease;
 - d. Chemical Oxygen Demand (COD);
 - e. pH;
 - f. Biochemical Oxygen Demand (BOD₅);
 - g. Total Suspended Solids (TSS);
 - h. Total Phosphorus;
 - i. Total Kjeldahl nitrogen;
 - j. Nitrate plus nitrite nitrogen.
 - k. Other pollutants specified by the City of Little Rock or required under 40 CFR Parts 122.21(g)(7)(vi) and (vii)

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; and
- 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 in 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 thirty (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 that 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 (2) 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 that 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 SQWMP in conjunction with preparation of the annual report required under Part 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 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 Part 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 SWQMP sections regarding construction site runoff, public education, and industrial runoff to meet the new requirements of the permit. The co-permittees shall submit to DEQ their suggested revisions to the SWQMP within eighteen (18) months following the effective date of the permit. The co-permittees have up to the duration of this permit to implement new policies and ordinances as outlined in the approved SWQMP.

- 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. At minimum, the report should include:

- 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 Part 122.26 (d)(2)(v) and 40 CFR Part 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 which shall, at minimum, include:

- 6.9.7 The annual information required by Parts 6.1.1 and 6.1.2;
- 6.9.8 Information for Structural Controls as required by Part 6.2.1;
- 6.9.9 Information for Areas of New Development as required by Part 6.2.2;
- 6.9.10 Information for Roadways as required by Part 6.2.3;
- 6.9.11 Information for Flood Control Projects as required by Part 6.2.4;
- 6.9.12 Information for Spill Prevention and Response as required by Part 6.2.7;
- 6.9.13 Information for Construction Site Runoff as required by Part 6.2.8;
- 6.9.14 An update on Roles and Responsibility if applicable;
- 6.9.15 Monitoring and Reporting Requirements as required by Part 6.4;
- 6.9.16 An update on Legal Authority if applicable;
- 6.9.17 An update on SWQMP Resources if applicable; and
- 6.9.18 An update on SWQMP Review per Part 6.5.

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 Part 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 have 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 APC&EC Rule No. 2, as amended, (Rule 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 **“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.
- 7.7 **“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.
- 7.8 **“Division”** means the Division of Environmental Quality (DEQ).
- 7.9 **“Director”** means the Administrator of the U.S. Environmental Protection Agency and/or the Director of the Arkansas Department of Energy and Environment - Division of Environmental Quality.
- 7.10 **“Discharge”** refers to discharges from the Municipal Separate Storm Sewer System (MS4) located within the boundaries of the city of Little Rock, Arkansas.
- 7.11 **“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.
- 7.12 **“Grab sample”** means an individual sample collected in less than fifteen (15) minutes in conjunction with an instantaneous flow measurement.
- 7.13 **“Illicit connection”** means any man-made conveyance connecting an illicit discharge directly to a municipal separate storm sewer.
- 7.14 **“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 listed in Part 6.2.6.1 of the permit.

- 7.15 **“Large or medium municipal separate storm sewer system”** is defined at 40 CFR Part 122.26(b)(4)&(7).
- 7.16 **“Maximum Extent Practicable” or “MEP”** is the technology-based discharge standard for Municipal Separate Storm Sewer Systems established by CWA 402(p).
- 7.17 **“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.
- 7.18 **“MONTHLY”** is defined as a calendar month or any portion of a calendar month for monitoring requirement frequency of once/month or more frequently.
- 7.19 **“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.
- 7.20 **“Municipal”** means of or pertaining to areas, activities, and facilities owned or operated by a municipality
- 7.21 **“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.
- 7.22 **“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.
- 7.23 **“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.
- 7.24 **“Proper disposal”** disposal of wastes in a manner which does not violate a federal, state, or local requirement.
- 7.25 **“Quarter”** means a three month calendar period (January-March, April-June, July-September, October-December).
- 7.26 **“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 does not coincide with the fixed calendar quarter. Seasonal calendar quarters May through July, August through October, November through January, and February through April.
- 7.27 **“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.
- 7.28 **“Significant contributor of pollutants”** means any discharge that causes or could cause or contribute to a violation of surface water quality standards.
- 7.29 **“Storm Sewer”** refers to a municipal separate storm sewer.

- 7.30 **“Stormwater”** means stormwater runoff, snow melt runoff, and surface runoff and drainage.
- 7.31 **“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.
- 7.32 **Units of Measure**
 “MGD” shall mean million gallons per day.
 “mg/l” shall mean milligrams per liter or parts million (ppm).
 “µg/l” shall mean micrograms per liter or parts per billion (ppb).
 “cfs” shall mean cubic feet per second.
 “ppm” shall mean part per million.
 “s.u.” shall mean standard units.
- 7.33 **“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.

Attachment C
Inspection Forms

City of Little Rock
Public Works Department
Industrial Facility – Stormwater Inspection Form

Inspector: _____ Date: _____

Facility Name: _____

Facility Address: _____

Page 1

	Yes	No	Comments
RECORDKEEPING			
Is the facility covered under the Arkansas Industrial General Stormwater Permit?			<u>Permit ID:</u>
Are the Notice of Coverage (NOC) and Stormwater Pollution Prevention Plan maintained onsite and available?			
Does the facility have stormwater sampling data/ Annual Stormwater Report available for review?			
Is the stormwater drainage map available and the outfalls and structural BMPs clearly labeled?			
SITE INSPECTION			
Were any illicit or unauthorized non-stormwater discharges observed?			
Was any evidence of uncontrolled spills or leaks observed that could impact the stormwater runoff?			
Were any areas of excess erosion or sedimentation observed?			
Were BMPs implemented to control the discharge of pollutants to the MS4? (i.e, secondary spill containment, curbing, covers/roofs for outdoor storage, etc.)			
Is the housekeeping adequate to minimize the potential for pollutants to enter the stormwater runoff to the MS4?			
Other Items (See Summary Comments)			
Is a Follow-Up Inspection Required?			<u>Date of Follow-up (if applicable)</u>

Signature of inspector: _____

City of Little Rock
Public Works Department
Industrial Facility – Stormwater Inspection Form

Page 2

Notes/Comments/Recommended Actions

**City of Little Rock
Public Work Department
Construction Site Inspection Form**

Inspector: _____ Date: _____

CGP Number: _____

Site Description and Address: _____

		Yes	No
1	Does the site have the DEQ issued NOC posted at the site entrance?		
2	Does the site have the SWPPP plan posted at the site entrance/construction trailer?		
3	Is there evidence of offsite tracking?		
4	Is there evidence of turbid discharges from the site or evidence of sedimentation in outfalls?		
5	Are there stormwater pollution prevention controls in place?		
6	Are the stormwater pollution prevention controls in need of repair or replacement?		
7	Are BMPs (silt fences, rock check dams, etc.) being used to control the discharge of pollutants onsite?		
8	Is maintenance required on the BMPs?		
9	Is the site conducting the CGP required inspections?		
10	Are the inspections conducted as required by the permit?		
12	Is fuel or oils being stored onsite?		
13	Are the fuel or oils being stored within a secondary containment structure?		
14	Is there a concrete washout on the site?		
15	Are there adequate protections around the concrete washout?		
16	Is the housekeeping adequate to minimize potential pollutants to be mobilized? (trash)		

Notes: _____

Signature of Inspector: _____

Date: _____

APPENDIX E

Spill Report Forms

SPILL INCIDENT REPORT

STREET OPERATIONS

Date: _____ Time: _____

Employee: _____

Vehicle #: _____

Location: _____

DESCRIPTION OF INCIDENT

Employee: _____ Supervisor: _____

Report Date: _____

FACILITY INFORMATION FORM

(Facility information to provide when reporting a spill)

Facility Information

Facility Name _____
Location (Street Address) _____
Location (Mailing Address) _____
City _____ State _____
Zip _____ County _____
Phone Number _____ Fax Number _____
Latitude _____ Longitude _____
Date of Initial Facility Startup _____
Description of Current Operations _____
Substantial Expansions _____
Date _____ Expansion _____
Date _____ Expansion _____
Wellhead Protection Area _____

Owner Information

Owner Name _____
Owner Address _____
Owner City _____ Owner State _____
Owner Zip _____ Owner County _____
Owner Phone Number _____ Owner Fax Number _____

Operator Information

Operator Name _____
Operator Address _____
Operator City _____ Operator State _____
Operator Zip _____ Operator County _____
Operator Phone Number _____ Operator Fax Number _____

Qualified Individual Information

Qualified Individual _____ Position _____
Work Address _____
Home Address _____
Emergency Phone Number _____

SPILL DESCRIPTION FORM

(Information to be provided when reporting spill)

Reporter/Caller Information

Full Name _____ Position/Title _____
Normal Phone Number _____ Emergency Phone Number _____

Company Information

Name _____ Organization Type _____
Street Address _____
City _____ State _____ Zip _____
Facility Oil Storage Capacity _____ Units _____
Facility Latitude _____ Facility Longitude _____

Required Reporting Information

Were Materials Discharged? _____ Confidential Materials? _____
Meeting Federal Obligations to Report? _____ Date Called _____
Calling for Responsible Party? _____ Time Called _____

Spill or Release Information

Spill or Release Description _____
Date of Incident _____ Time _____ AM or PM _____
Incident Address or Location _____
State _____ Zip _____ County _____
Nearest City _____ Direction from City _____
Distance from City _____ Units _____
Section _____ Township _____ Range _____

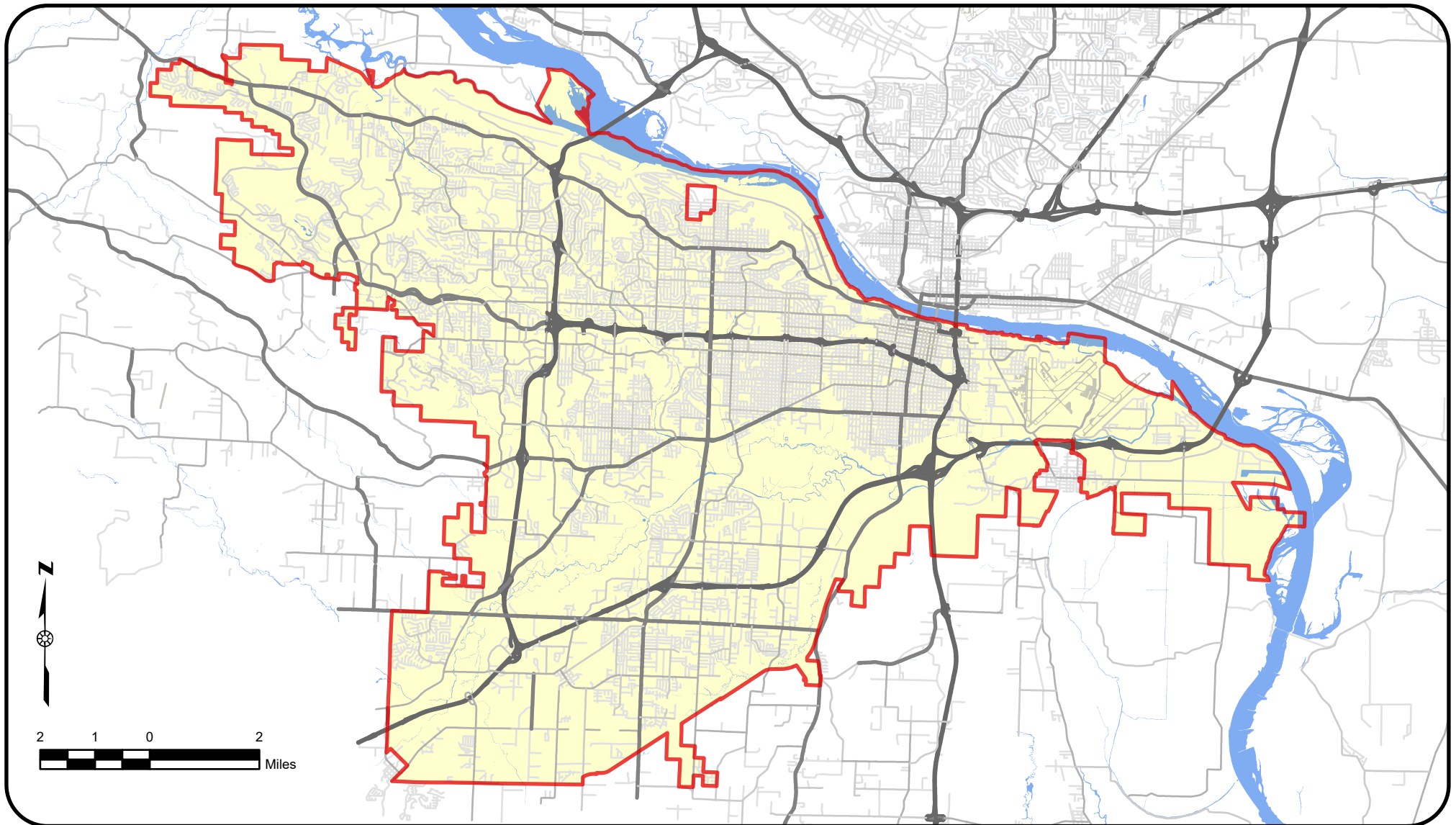
Spilled or Released Material Information

Material Name _____ CHRIS Code _____
Quantity Released _____ Units _____
Source of Release _____
Container Type _____ Capacity _____ Units _____
Contaminated Media (Soil or Water) _____
Quantity on/in Water _____ Units _____ Quantity on/in Soil _____ Units _____
Actions Taken to Stop Spill or Release _____
Number of Injuries _____ Number of Deaths _____
Evacuations Performed _____ Number Evacuated _____
Damages _____ Estimated Cost of Damages _____

Notifications Made

NRC: ☐ U.S. EPA: ☐ State: ☐
Fire: ☐ Police: ☐ Other: _____

Attachment D
Area Maps



CITY OF
LITTLE ROCK

FIGURE NO.

1

LITTLE ROCK

MS4 AREA

PERMIT NUMBER

ARS000002

DATE: 03-09-22

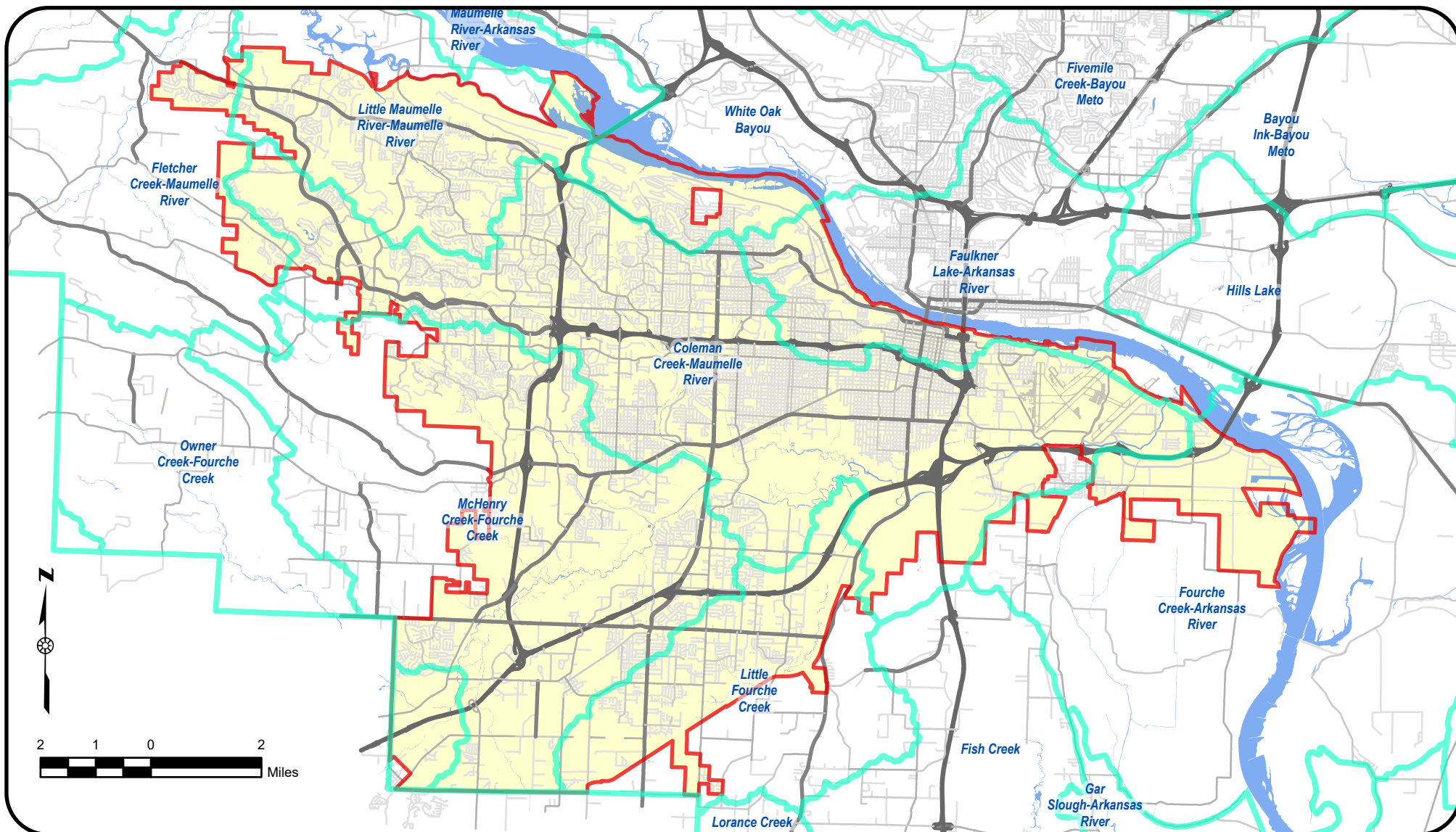


FIGURE NO.
2

LITTLE ROCK

USGS HUC 12 WATERSHED BOUNDARIES

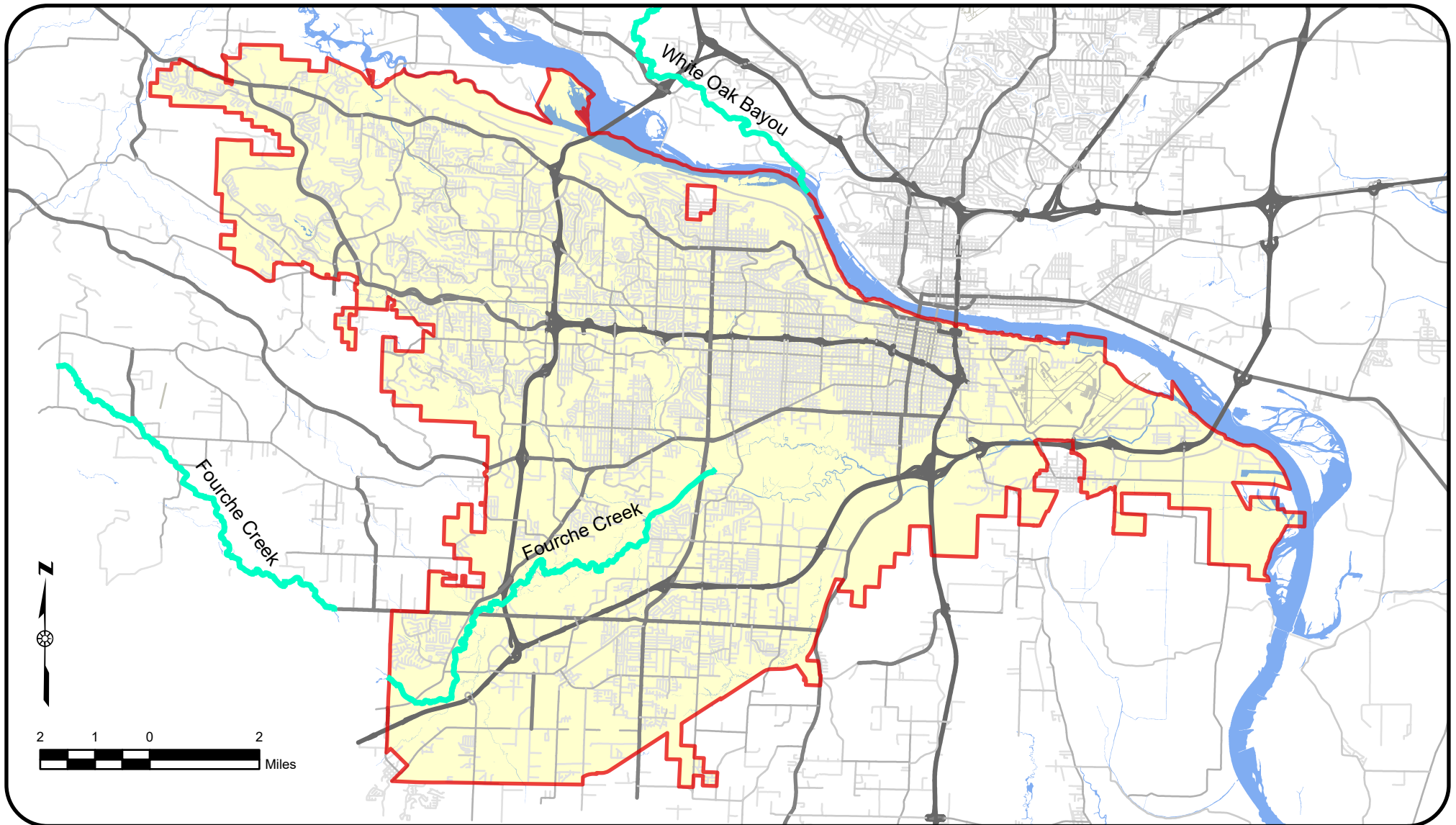
WBD HUC12 USGS

12 Digit 2017 Data
Source: GEOSTOR

PERMIT NUMBER

ARS000002

DATE: 03-09-22



CITY OF
LITTLE ROCK

FIGURE NO.
3

LITTLE ROCK

303 d CAT 5 IMPAIRED STREAMS

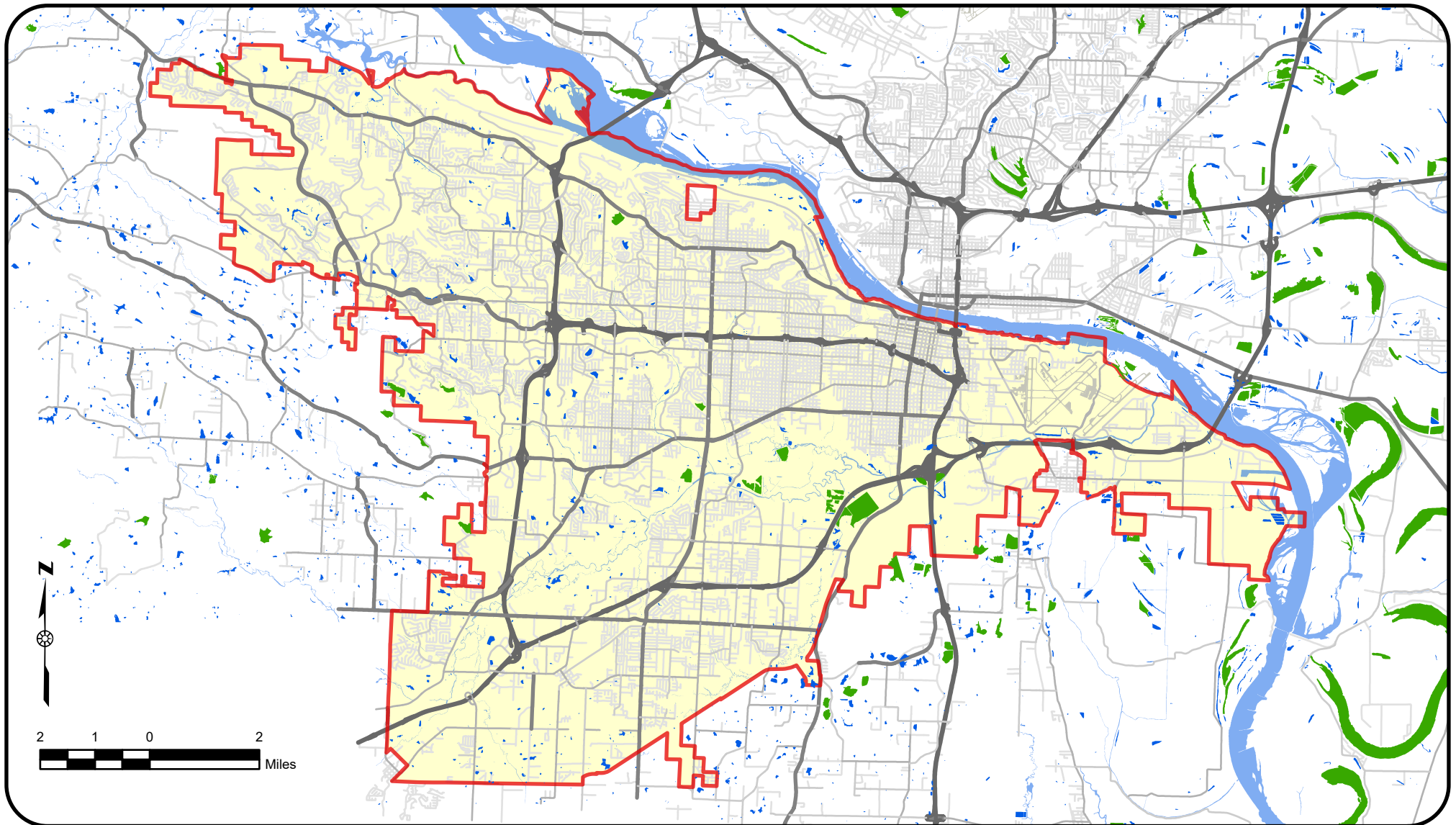
 CAT 5 STREAMS

303 d CAT 5 - 2018 Data
Source: GEOSTOR

PERMIT NUMBER

ARS000002

DATE: 03-09-22



CITY OF
LITTLE ROCK

FIGURE NO.

4

LITTLE ROCK

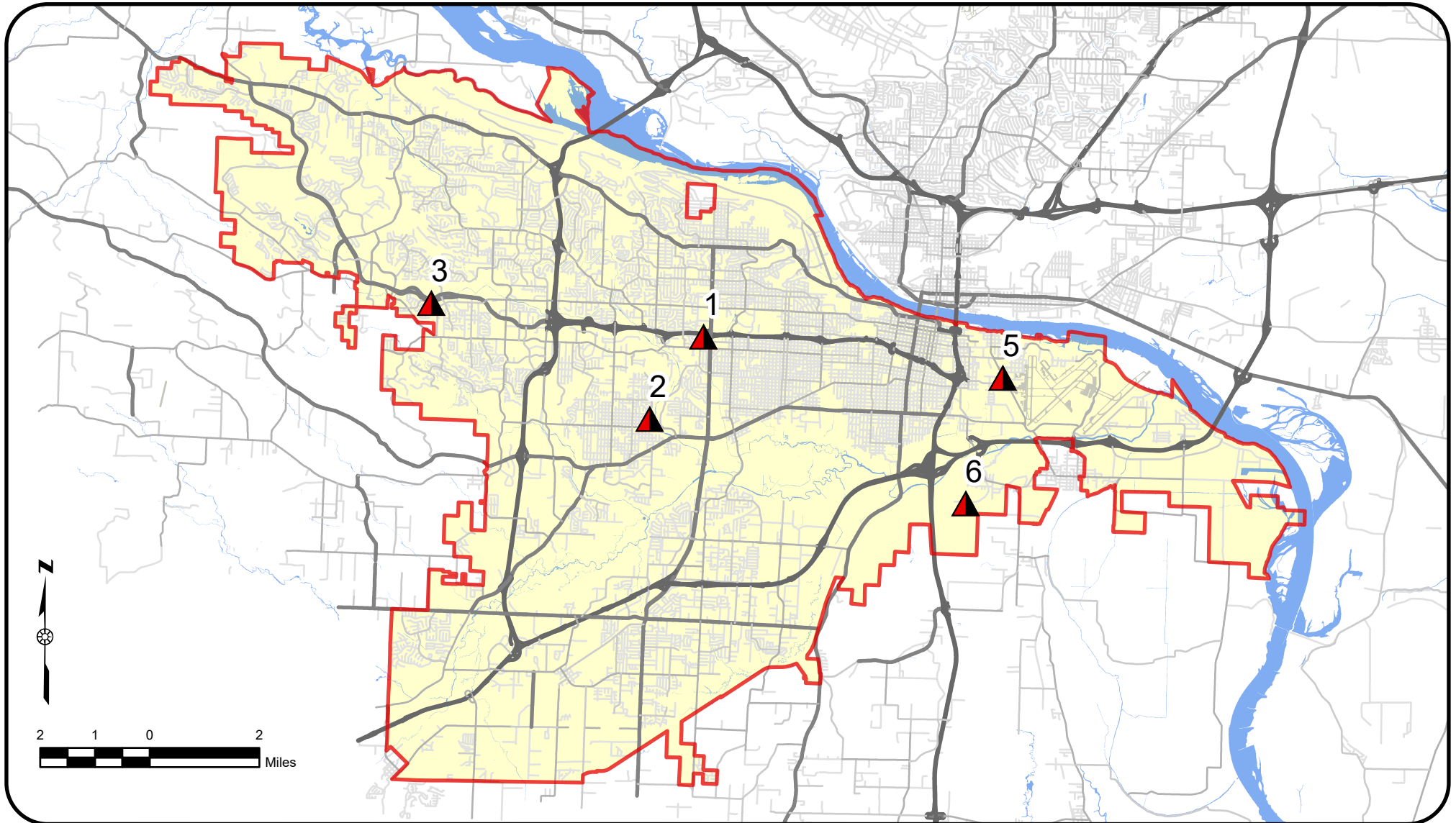
RESERVOIRS DETENTION and RETENTION PONDS



PERMIT NUMBER

ARS000002

DATE: 03-09-22



CITY OF
LITTLE ROCK

FIGURE NO.
5

LITTLE ROCK

IDENTIFIED MAJOR OUTFALLS
NETDMR LOCATIONS

 NETDMR LOCATIONS

PERMIT NUMBER

ARS000002

DATE: 03-09-22

VEGATATIVE MANAGEMENT PLAN

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

Arkansas Department of Transportation
District 6
P.O. Box 2261
Little Rock, Arkansas 72203

NPDES Permit: ARS000002

Prepared by:



13000 Cantrell Road
Little Rock, Arkansas 72223

April 2022

VEGETATIVE MANAGEMENT PLAN

City of Little Rock
And
Arkansas Department of Transportation
NPDES Permit: ARS000002

April 2022

Prepared By: Jeremy Stehle
Jeremy Stehle
ECCI, Senior Environmental Scientist

Prepared By: Pennye L. Bray
Pennye L. Bray, REM, REPA
ECCI, Environmental Director, Water

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Julie C. McCallister
ECCI, President

Approved By: Ilona E. Rossato
Ilona E. Rossato, Environmental Compliance Engineer
City of Little Rock, Department of Public Works



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I. APPENDICES

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Requirements

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I. INTRODUCTION

A. Purpose

The purpose of this Vegetative Management Plan is to comply with the Clean Water Act mandate to address the use of pesticides, herbicides and fertilizers, and where possible to minimize their use through consideration of other methods.

B. Objectives

The first objective of this management plan is to identify policies and procedures for the proper management of chemicals used in vegetative control - pesticides, herbicides and fertilizers. Other existing municipal programs provide guidelines for chemical storage, safety, training and communication. This plan addresses the prescription of chemicals in the control of vegetation, and supplements the Supervisor's Safety Manual, Landscape Ordinance and other management/development tools that address vegetation management.

The second objective is to provide guidelines for integrated vegetative management by affected City Departments - Public Works and Parks and Recreation. Integrated vegetative management involves consideration of other methods in conjunction with the use of chemicals to both reduce the amount of chemicals used and reduce the potential for chemical exposure to workers and the user public.

II. ROLES AND RESPONSIBILITIES

This plan applies to all Departments of the City authorized to discharge storm water under the City's NPDES Permit ARS000001. Affected parties include those involved in the direct management of the physical environment, those responsible for the treatment of existing or potential vegetation and pest problems, and those involved in the development, approval or implementation of designs or strategies that influence vegetation management requirements and practices.

A. City Safety Manual

Section 18 and 19 of the City Safety Manual [CLR; 9/94, Little Rock, AR.] address hazardous chemicals and pesticides, and provide information on policy, responsibilities and training.

The Hazard Communication Program is Appendix II of the Manual. The Hazard Communication Program is expected to increase the level of awareness of the potential health and safety risks associated with certain chemicals. The purpose of the Hazard Communication Program is to make training and information concerning hazardous chemicals available to City employees to enable them to minimize their exposure to such chemicals and to protect their health, safety and welfare.

Manual Sections 18 and 19 as well as Appendix II are included in the Appendix of this Plan, and should be used for further reference.

1. Human Resources Department Responsibilities

The Human Resources Department is generally responsible for developing and implementing the safety and hazard communication programs, providing technical assistance to department directors, and providing training to all employees who may come in contact with hazardous chemicals. In addition, the Human Resources Department maintains an up-to-date consolidated list of all hazardous substances and a master Material Safety Data Sheet (SDS) file, and conducts safety audits to ensure compliance with the provisions of the program.

The Human Resources Department contact is:

Safety/Loss Control Specialist
500 W. Markham St., Room 130
Little Rock, Arkansas 72201
(501) 371-4756.

2. Directors, Managers And Supervisors

Department Directors, Managers and Supervisors are responsible for developing and implementing site-specific safety and hazard communication programs. These activities include ascertaining the specific nature and extent of the risks involved in exposure to chemicals, determining proper safety precautions and operating procedures, and ensuring that all safety equipment is in place. Managers and Supervisors also ensure that all hazardous substances are properly labeled, maintain facility chemical lists and SDS files, provide specific training to employees, ensure proper operating procedures and safety precautions are followed, and ensure that appropriate monitoring and emergency equipment is in place and functioning properly.

3. Employees

All employees are responsible for work-place safety. Requirements for job safety when hazardous materials are used include following established work practices and operating procedures, using personal protective equipment as required, using approved labels and containers for chemicals, knowing the location and proper utilization of SDS's and of emergency equipment, and informing supervisors of any accidents or symptoms, missing or illegible labels on containers, malfunctioning safety equipment or unsafe work conditions or practices.

B. Clean Water Act

The U.S. Environmental Protection Agency administers the Federal Water and Air Pollution Control Act, as amended (the Clean Water Act). Clean Water Act

guidance requires the City to incorporate into its compliance activities a description of a program to reduce to the maximum extent practicable, pollutants in discharges from municipal separate storm sewers associated with the application of pesticides, herbicides and fertilizer which will include, as appropriate, controls such as educational activities, permits, certifications and other measures for commercial applicators and distributors, and controls for application in public right-of- ways and at municipal facilities.

1. Public Works Department Responsibilities

The City discharges storm water under an NPDES Permit, administered by the Arkansas Department of Energy and Environment (AE&E) Division of Environmental Quality (DEQ). NPDES Permit ARS000002, Part 6.2.5 requires that the City of Little Rock prepare a Vegetative Management Plan which will be implemented before December 1, 1997. The Vegetative Management Plan will address the proper utilization of pesticides, herbicides and fertilizers.

The Public Works Department maintains a copy of the NPDES Storm Water Discharge Permit, prepares and submits the Annual Report and permit-related correspondence.

The Public Works Department contact is:

Environmental Compliance Engineer
701 W. Markham St., Room 109
Little Rock, Arkansas 72201
(501) 371-4740.

C. City Beautiful Commission

The role of the City Beautiful Commission is to be responsible for the establishment and maintenance of plans to control litter, weeds, abandoned vehicles and appliances, soil erosion and to otherwise ensure a high level of visual aesthetic quality, specifically including but not limited to, the visual appearance of parks and open spaces, streams and other bodies of water, drainage ditches, structure, hillsides, riverfront, utilities, signs, vehicle parking and sales lots, outdoor storage, trees and other natural vegetation, natural landscaping, streets and railroads.

The City Beautiful Commission has the following duties, responsibilities and powers:

1. To promote public interest in the general improvement of the appearance of the city;
2. To prepare and transmit to the Board of Directors recommended policies

implementing the plans prepared by or for the commission; and,

3. To establish, subject to approval of the Board of Directors, regulations of aestheticquality for public and private lands and improvements.

I. VEGETATIVE MANAGEMENT POLICIES

A. Independent Contractors

Independent contractors include custodial personnel, construction personnel, repair personnel and consultants. All independent contractors performing services within municipal facilities are notified of potential hazards to which their employees might be exposed. The mechanism for this policy is the “Independent Contractor Notification” and “Independent Contractor Acknowledgment” forms provided in the City Safety Manual.

All commercial applicators of herbicides within the City and employed under contract for maintenance or public improvements will have supervisory personnel certified in the application of herbicides by the Arkansas Department of Agriculture. The mechanism for this policy will be to require certification in the Request For Qualifications/Proposals document, with proof of current Arkansas Department of Agriculture certification required as a part of the Offeror’s Response.

B. Sensitive Areas

Sensitive areas are those locations which support unique or fragile elements of the municipal environment or where high potential exists for direct human exposure. Extreme care must be taken if pesticides are used in sensitive areas, identified as:

- 1) locations within or immediately surrounding playground equipment for children; e.g., sandboxes, swings;
- 2) Areas known to have rare or endangered species of plants or animals;
- 3) Any bodies of water or streams in which children routinely play or where domestic animals derive drinking water.

C. Employee Training

Employee training is a vital part of the City’s Hazard Communication Program, the objectives of training being to provide city employees with practical, understandable information about hazardous chemicals in the workplace and procedures to protect themselves from exposure to those chemicals.

City personnel involved in the application of herbicides are supervised by

persons certified by the Arkansas Department of Agriculture in the safe use, application and disposal of herbicides, equipment and containers. Each Department ensures that adequate training, certification and re-certification is provided to supervisory staff and persons engaged in the application of pesticides, herbicides and fertilizers. Employees applying chemicals for the control of tree, turf, structural pests, and weeds will possess a non-commercial applicator certificate and be restricted to applying chemicals only on property owned or under the control of the City.

D. Vegetation Requiring Management

Vegetation requiring management along municipal rights-of-way includes only the following categories:

- 1) Vegetation which obstructs motorists, cyclists or pedestrian view of traffic, traffic signs and signals, street lights, safety fixtures or markings placed within the public right-of-way;
- 2) Vegetation which is a hazard to the public or to persons or property on or near the property where the vegetation is located;
- 3) Vegetation which obstructs drainage facilities within the public right-of-way, including but not limited to street curb and gutter, roadside ditches, catch basins, culverts and bridges;
- 4) Vegetation where roots have entered and obstructed the flow of sewage;
- 5) Vegetation turf areas including sports fields, golf courses and park open spaces frequented by citizens; and,
- 6) Poison ivy and poison oak in all public locations frequented by citizens.

E. Integrated Vegetative Management

Healthy plants are resistant to insect and disease problems and enhance the quality of the environment. Direct control of existing insect and disease problems is critical to the success of vegetative management. Integrated Vegetative Management is a holistic approach to pest control and not an alternative pest control method. It employs a variety of means to minimize the potential for adverse effects on health and the environment. Integrated Vegetative Management responds to pest problems through cultural, physical and biological controls, with chemical controls employed last.

Consideration of cultural, physical, and biological controls will not eliminate the need for chemical use in vegetative and pest management activities. Identification of

target pests and selection of the proper herbicide, thresholds for tolerance, and facility/land use will all affect the use and effectiveness of chemical applications. When the use of chemicals is warranted, a chemical prescription process will be used to document these criteria for selection.

1. Cultural Controls

Cultural control depends on knowledge of the plant's needs in a landscape or garden. Plants under stress are more susceptible to insects, fungi, viruses, etc. The City's policy is to select disease-resistant varieties of plants that will grow well under the soil, water and light conditions of the location. These plants are identified in the Article IV, Division 2 – Plant Material Selection Requirements of Municipal Code, and included in the Appendix of this Plan.

Other cultural controls for consideration include watering and fertilizing plants according to their individual species needs, adding competitive ground covers to eliminate weeds in the landscape, and increasing air circulation to reduce the incidence of disease. These controls should be considered as a matter of policy by Managers and Supervisors during the chemical prescription process.

2. Physical Controls

Physical or mechanical controls may include physical removal of pest species by hand, or the removal of problem, diseased or dead plants. Physical controls are most suitable to turf management, and should integrate as many controls as are necessary to effectively control the landscape vegetation (mowing, pruning, coring and sprigging, etc.).

Turf management policies which incorporate physical controls include:

- a) mowing height of up to 3 inches;
- b) cutting no more than 1/3 of grass blade length, and mowing often;
- c) fertilizing only as needed, preferably only once a year (in the Fall);
- d) aerating and adding soil amendments to relieve soil compaction;
- e) watering for maximum absorption;
- f) over-seeding with appropriate grass varieties for the specific area;
- g) mulching grass clippings to reduce the need for fertilizer; and,
- h) using herbicides as little as possible.

When herbicides are employed, air and soil temperatures should be optimum for

plant growth at the time of application to ensure optimum diffusion of the chemical into the pest species.

3. Biological Controls

Biological controls use living organisms to suppress pest populations below levels of serious or aesthetic damage. This may include using beneficial organisms already in the environment and releasing new organisms into the area. Some biological controls only affect a small group of organisms, while others impact whole species.

4. Native Vegetation

Native species should be used on projects when appropriate. Native vegetation can reduce the need for chemical applications. Native plants will be chosen based on guidance places such as the University of Arkansas, Division of Agriculture research and Extension, Arkansas Natural Heritage Commission.

F. Chemical Controls

1. Approved Herbicides

Herbicides in USEPA Category III and IV shall be used exclusively for vegetative control. Consideration is given to the use of selective herbicides over broad-spectrum herbicides. The City does not use any herbicide which has been suspended by the U.S. Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act.

2. Labeling

Department managers are responsible for ensuring that all hazardous chemicals in the workplaces under their jurisdiction are properly labeled, tagged or marked. The labels must be legible, written in English, and prominently displayed or readily available. Hazardous chemicals brought into the workplace are not re-labeled. All labels on incoming containers include the identity of the hazardous chemical, appropriate hazard warnings, and the name and address of the manufacturer, importer

or other responsible party.

3. Safety Data Sheets (SDS)

An SDS is maintained by the Department Director for every hazardous substance brought into the work place or work area. A copy of each SDS is provided to the Human Resources Department Loss Prevention/Safety Specialist. The contents of each SDS is updated when appropriate and conforms with the requirements of the Hazard Communication Standard.

G. Chemical Prescriptions

This process involves initial approval of chemical prescriptions for the control of vegetation on public lands. This will ensure that an effective Vegetative Management Plan has been developed and is being implemented, and that ineffective control strategies are identified and modified.

In addition to initial approval for use, the process involves an on-going evaluation of prescriptions routinely implemented from year to year. This provides an opportunity to assess the need for chemical use and the pursuit of non-chemical controls, and provides an opportunity to change products, procedures for application, volumes, or the training curriculum for employees.

1. Chemical Purchases

Prior to any purchase of pesticide, herbicide or fertilizer employed in vegetative management, the Foreman, Manager or Supervisor requests from the supplier, distributor or manufacturer two copies of the Safety Data Sheet and forwards one copy of the SDS to the Department Director or Division Manager for approval.

The Division Manager or Department Director will approve or disapprove the purchase based upon its conformance to the policies set forth in this Plan. The MSDS for the selected chemical will be forwarded to the Safety/Loss Control Specialist for their review, and a copy will be provided to the Environmental Compliance Engineer for use during the annual review process.

2. Prescription Worksheet

A sample Chemical Prescription Worksheet is shown on the following page.

Information to be included on the prescription worksheet includes:

- a) a description of areas where the Department intends to manage vegetation and a discussion of the need for vegetative management at each location;
- b) a description of the specific herbicide to be employed;
- c) an analysis of the benefits of herbicide use, as well as alternative methods for vegetation management;
- d) a description of the herbicides' relative toxicity and that of alternative herbicides or controls; and,
- e) the quantity of herbicides actually used, stored and disposed of.

CHEMICAL PRESCRIPTION WORKSHEET

PRODUCT: _____

CHEMICAL NAME: _____

AREA DESCRIPTION: [Where Vegetation Is Being Managed]

_____NEED FOR VEGETATIVE CONTROL: [R-O-W or Recreation; Thresholds, Etc.]

_____CULTURAL, PHYSICAL & BIOLOGICAL OPTIONS REVIEWED: [Sensitive Areas, Etc.]

_____CHEMICAL OPTIONS REVIEWED: [Toxicity, Spectrum, Alternatives, Etc.]

_____CHEMICAL APPLICATION METHOD: [Individual Or Mechanized, Quantities Used & Stored, Etc.]

_____IS THIS AN INITIAL PRESCRIPTION OR ON-GOING?
MSDS ON FILE WITH PERSONNEL OFFICE?INITIAL / ON-GOING
YES / NO

DEPARTMENT: _____ DIVISION: _____

BY: _____ DATE: _____

IV. ANNUAL REVIEW

A. Vegetation Management Committee

A Vegetative Management Committee will provide an annual review of the Vegetative Management Plan. The Vegetative Management Committee will review the Chemical Prescription Worksheets and annual reporting information from each affected Department, and will amend, modify or update the Vegetative Management Plan as necessary. The Committee will complete a summary annual report prior to April of each year.

1. Committee Members

Each City Department utilizing pesticides, herbicides or fertilizers in vegetative management will participate in a Vegetative Management Committee. The Safety/Loss Control Specialist from Human Resources and the Environmental Compliance Engineer from Public Works will serve on the Committee in advisory and technical assistance roles. Each of these positions will oversee compliance aspects of the Plan associated with their particular area of concern - vegetative management, safety and hazard communication, and permit compliance.

Committee members will receive an annual report, prepared by Public Works in compliance with the NPDES reporting requirements, which will serve as the basis for annual review. From the report, members will recommend amendments and modifications to the Plan and to vegetative management procedures, and will meet as necessary to develop recommendations. Any member of the Committee may request information or a Committee meeting by contacting the Environmental Compliance Engineer in the Public Works Department.