



ARKANSAS DEPARTMENT OF TRANSPORTATION

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ENVIRONMENTAL DIVISION

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March 30, 2021

Arkansas Department of Energy and Environment
Division of Environmental Quality
Office of Water Quality
NPDES Permits Section
5301 Northshore Drive
North Little Rock, Arkansas 72118

Dear Sir or Madam:

Reference is made to Regulated Small MS4 NPDES Permit No. ARR040004. Enclosed, please find the Arkansas Department of Transportation's Annual Report covering the period of January 1, 2020 - December 31, 2020. Also enclosed is the Request for Change of Authorization form.

If you have any questions about the report, please contact Kayti Ewing at (501) 569-2522.

Sincerely,

A handwritten signature in blue ink that reads 'John Fleming'.

John Fleming
Division Head
Environmental Division

Enclosures

JF:KE:SD:cb

NPDES Small MS4 General Permit (ARR040000) Annual Reporting Form

Instructions for completing this form:

- ARR040000 requires that this form be used when submitting annual reports. You may request approval to use your own reporting format.
- Annual Reports are due annually on or before March 31st.
- Complete the form and sign and date the certification statement below.
- If more space is needed than is provided, identify within the provided space that Attachment A, B, C, etc. has been attached.
- If an item of the form is not applicable for your program (such as street sweeping), fill in N/A in the space provided.
- Don't include attachments such as brochures, newspaper clips, sign-in sheets, etc. related to your program with this form. You only need to summarize these within this report. These records must be filed and will be needed during program audits.
- Please attach results of monitoring required for TMDL or impaired streams separately from this form.
- When complete, submit this Annual Report form to the following address:

ADEQ
 Water Division
 General Permits Section
 5301 Northshore Drive
 North Little Rock, AR 72118
 Water-permit-application@adeq.state.ar.us

Small MS4 Annual Report for Year: 2020

ADEQ Permit Tracking Number: ARR040004

Name of MS4: Arkansas Department of Transportation (ARDOT)

Primary Contact: Kayti Ewing

Title: Section Head of Natural Resources

Mailing Address: P.O. Box 2261

City: Little Rock

Zip Code: 72203

County: Pulaski

Telephone Number: (501) 569-2522

Email Address: kayti.ewing@ardot.gov

Include or attach a Table of Organization. Indicate who (name and contact information) is responsible for overall management and implementation of your program, and if different, each minimum control measure of your program. Identify how development and implementation across multiple positions, agencies and departments occur. Also, identify any Memorandum of Understandings (MOUs) or other such agreements that exist.

Table of Organization-Attached

ARDOT/Arkansas Health Department have a MOU For Illicit Discharges

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 possibility of fine and imprisonment for knowing violations.

Print Name: John Fleming

Print Title: Division Head-Environmental

Signature: 

Date: 3-30-2021

SMALL MS4 ANNUAL REPORT FORM

PUBLIC EDUCATION & OUTREACH

Estimate Your Permit Area's Total Population: **4000**

BMP (mechanism) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	% of Target Audience Reached & Total # of people reached	Summary of Results	Effective (Yes or No)
BMP 1.1 Storm Water Educational Handouts	Adds distribution of educational material at educational events/venues as requested. Distribute brochures to District permit offices across the state. ARDOT contractors working on the rights-of-way will be provided educational materials at the time of the permit request.	Impacts of storm water runoff, what ARDOT is doing to prevent pollution from this source and how the ARDOT employees and the public can help; storm water compliance on ARDOT construction and maintenance projects.	ARDOT employees, contractors, and the traveling public at all Welcome Centers.	100% of ARDOT personnel and several hundred Welcome Center Visitors or at least 4000 people have been provided with storm water educational material.	During this Permit Year, storm water educational materials were distributed to all ten District offices. Efforts include the distribution of concrete waste handouts and the stormwater brochure to permit applicants through the District offices. Additional handouts at educational related activities, an article in the Arkansas Highways Magazine, and ARDOT storm water brochures are available at all Arkansas Welcome Centers and several public venues.	Yes. There has been an increase in visits to the stormwater educational materials on the website.
Natural Resources Section						
BMP 1.2 Storm Water Information on Website	Current Department storm water educational material will be maintained on the website. New material will be posted as it is developed.	Information on the website includes fourteen storm water education publications which cover anti-littering, construction storm water, leaking vehicle fluids, as well as current state and federal regulations to minimize polluted storm water runoff.	Department employees, general public.	No information available on percent of population reached since web visits are anonymous.	During Year 2, the storm water section of the site was accessed 4,398 times. The new stormwater brochure was added to the website.	Yes
Natural Resources Section						
BMP 1.3 Public Feedback On Dept. Activities	Document and respond to all hotline calls.	N/A	Department employees, general public.	The storm water hotline received one call during Year 2.	Normally, the general public files complaints with the appropriate ARDOT District or ADEQ. Complaints to ADEQ are referred to ARDOT for resolution. Any calls received through the hotline are handled internally by ARDOT when possible.	Unable to evaluate but the phone number is available for the public's use on the website and in ARDOT publications.
Natural Resources Section						

(See Attachment for additional BMPs)

SMALL MS4 ANNUAL REPORT FORM

PUBLIC EDUCATION & OUTREACH (Attachment)

[illegible]

SMALL MS4 ANNUAL REPORT FORM

PUBLIC INVOLVEMENT/PARTICIPATION

BMP (Activity) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	Estimate of People Participated	Summary of Results	Effective (Yes or No)
BMP 2.1 Public Notice of Storm Water Management Program (SWMP)	SWMP provided for public comment.	N/A	General public, Department employees, and contractors	N/A	The notice of the ARDOT SWMP was published in the Arkansas Democrat-Gazette on July 1, 2019. No comments were received.	N/A
Natural Resources Section						
BMP 2.2 Involvement with Other Entities	The Department will sponsor or participate in at least eight activities with other public or private groups during each year of the Permit.	Nine environmental related meetings were attended or presented by ARDOT personnel including storm water conferences, meetings with state-wide stakeholders, Arkansas Nat. Res. Commission, Arkansas Environmental Education Association, DrainSmart Committee, and other storm water related events.	Storm water related public and private entities	Several hundred participants but other than the ARDOT staff members leading or participating, groups did not meet the "population" criteria of the Permit.	Sharing of ideas and involvement in storm water issues including, but not limited to, environmental education, permit compliance and best management practices.	Yes
Natural Resources Section						
BMP 2.3 Maintain SWMP on Website	SWMP, annual reports, and associated documents will be maintained on the Department website during the life of the Permit.	ARDOT storm water program	Department employees, general public, and contractors	No information is available on the percent of the population reached since web visits are anonymous.	During Permit Year 2, the storm water section of the site was accessed 4,398 times.	Yes
Natural Resources Section						

(See attachments for additional BMPs)

PUBLIC INVOLVEMENT/PARTICIPATION (Attachment)

SMALL MS4 ANNUAL REPORT FORM

BMP (Activity) & Responsible Party	Measurable Goal	Theme or Message	Target Audience	Estimate of People Participated	Summary of Results	Effective (Yes or No)
BMP 2.4 Sponsor Adopt A Highway Program	The Department will publicize the program through various means with the goal of involving at least 6500 people during the life of the Permit.	Public involvement by keeping the state highways free of litter.	General public	1,263 people reported as participating during the Permit Year 2.	1,263 people and 1,896 bags of trash and recyclables were collected. The program remains an effective means of involving concerned citizens in the quest for pollution reduction and highway beautification.	Yes
District Engineers						
BMP 2.5 Litter Hotline and Reporting	All calls to the hotline will be documented and a letter will be sent to each reported violator where the identity and address of the driver can be ascertained.	Anti-littering. This program is an excellent method of involving the public in the quest to reduce potential pollutants on the State's roadways.	Driving public, Department employees	2,356 people called the hotline and 483 reported online at IDRIVE Arkansas app.	During Year 2, the Litter Hotline Program received 2,356 litter calls and sent 1,495 letters to suspected violators. 483 of the litter reports were on the IDRIVE Arkansas app/website.	Yes
Arkansas Highway Police						
BMP 2.6 NPDES Standing Committee	All SWMP activities, including required annual reports and other MS4 Permit related actions, will be reviewed and approved by the Committee before adoption. Minutes of meetings will be maintained.	N/A	Department Employees	10 Committee members and 2 staff members.	Throughout Year 2, committee members have coordinated by email on new BMPs like Flexstorm, Compost Filter Blankets, and Polyacrylamide (PAM). Several other stormwater related items were discussed and members updated throughout the year on progress for future incorporation as Supplemental Specifications and into the Erosion and Sediment Control Manual.	Yes
Committee Chair, Environmental Division						
BMP 2.7 Pre-Construction Conference With Contractors	A Pre-Construction Conference to be held for all contracted jobs with District oversight.	Improved erosion and sediment control through compliance with the Construction Storm Water Permit and the ARDOT SWPPPs.	Department employees, contractors	Two hundred seventy nine pre-construction meetings were held during Permit Year 2, which involved several hundred people.	Meetings scheduled before the project begins are a highly effective means of improving communication and preventing problems between ARDOT personnel and contractors.	Yes
District Construction Engineer						

SMALL MS4 ANNUAL REPORT FORM

ILLCIT DISCHARGE DETECTION & ELIMINATION (IDDE)

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Cite Local Code(s) Being Used (If available, web link for code(s))	Summary of Results or Activities		Effective (Yes or No)
Ordinance or Other Regulatory Mechanism	N/A	N/A	MOU with Arkansas Department of Health for septic system discharges. ADEQ and other MS4 operators with regulatory authority are asked for assistance with other types of discharges when required.	ARDOT does not have regulatory authority over illicit discharges, but written procedures for handling such discharges were developed, approved, and distributed to the Districts.		Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Activities or Updates			Effective (Yes or No)
BMP 3.1 Storm Sewer System Outfall Collection and Mapping	The Department will map storm water outfalls and the storm sewer drainage system located in the MS4 urbanized areas added as a result of the most recent census within 3 years. The mapping will be completed by using a combination of online mapping tools and/or field collection.	Ongoing. Multi-year BMP.	During Year 2, Natural Resources staff recorded 72.9 miles of new MS4 system, dry weather screened 106 miles, and screened 341 outfalls. One hundred and twenty-eight new outfalls were recorded as a result of new MS4 designation.			Yes
Natural Resources Section						
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Activities or Updates			Effective (Yes or No)
IDDE Plan	IDDE plan completed and distributed.	Yes	The ARDOT Illicit Discharge Reporting Protocol was distributed to the Districts and is available on the ARDOT Local Area Networks for the Construction and Maintenance Divisions.			Yes
Natural Resources Section						
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	# of Outfalls Screened	# of Dry-Weather Flows Identified	# Of Illicit Discharges: Identified* Eliminated	Effective (Yes or No)
BMP 3.2 Dry-Weather Inspections of Outfalls # of Outfalls Screened – 341 Total # of Outfalls – 4,808	The Department will dry weather screen approximately one-fourth of the additional MS4 areas resulting from the recent Census each year during Years 1- 4 of the Permit. Action will be taken to eliminate illicit discharges.	Yes	341 outfalls screened during Permit Year 2.	One dry weather flow was identified and referred to the local MS4 jurisdiction.	Eighteen illicit discharges were discovered and reported. Of the 18 suspected illicit discharges, two were referred to City MS4s, four referred to ADEQ, two referred to AR Dept. Health, 3 occurred on job sites and the rest were related to vehicle incidents on the roadway or isolated events.	Yes
Natural Resources Section						

SMALL MS4 ANNUAL REPORT FORM

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Activities or Updates	Effective (Yes or No)
Identification of allowable non-storm water discharges	N/A	N/A	The Department has not identified any allowable non-storm water discharges, which are significant contributors of pollution to the MS4.	N/A

(See attachment for additional BMPs)

SMALL MS4 ANNUAL REPORT FORM

ILLCIT DISCHARGE DETECTION & ELIMINATION (IDDE) (Attachment)

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities	Effective (Yes or No)
BMP 3.3 Statewide Employee Training Program Natural Resources Section/ District Maintenance Engineer	Natural Resources Section Personnel will provide illicit discharge training for at least 90% of eligible personnel during each year of the permit.	Yes	In 2020, there were 330 maintenance personnel trained during annual NPDES training.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Activities or Updates	Effective (Yes or No)
BMP 3.4 Citizen Reporting of Illicit Discharges Hotline & website reporting for public Natural Resources Section	Natural Resources personnel will record all complaints and follow the Illicit Discharge Reporting Protocol to eliminate actual illicit discharges.	Yes	The Department seldom receives illicit discharge reports directly from citizens, but procedures are established to investigate and eliminate such discharges. Normally, citizens will report these discharges to ADEQ or other regulatory agencies; these agencies will either investigate the complaint or contact ARDOT about the problem. In the second year of the permit cycle, two citizens reported illicit discharges.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Activities or Updates	Effective (Yes or No)
BMP 3.5 Maintenance Facility Staff Assistance Visits Natural Resources Section	Natural Resources Section to visit 10 of the Department's maintenance facilities during each year of the Permit.	Yes	During Year 2, the Natural Resources staff surveyed 12 of the 94 facilities for actual or potential illicit discharges. Reports containing areas for possible improvement were provided to the District.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Activities or Updates	Effective (Yes or No)
BMP 3.6 Incorporating New Technology Natural Resources Section	During the permit term, the Department will incorporate new technology, equipment, or mapping software to better identify and/or sample suspected illicit discharges.	Yes	The Natural Resources Section has utilized new technology for dry weather screening during Year 2.	Yes

SMALL MS4 ANNUAL REPORT FORM

CONSTRUCTION SITE RUNOFF CONTROL

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Cite Local Code(s) Being Used (If available, web link for code(s))		Summary of Results or Activities	Effective (Yes or No)
Ordinance or Other Regulatory Mechanism	All ARDOT construction projects with one acre or more of disturbed soil will obtain NPDES Construction Storm Water Permits.	Yes	N/A		All ARDOT construction projects of one acre or more obtained coverage under the NPDES Construction Storm Water General Permit.	Yes
Division Heads-Roadway Design and State Aid						
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Standards Being Used		Summary of Results or Activities	Effective (Yes or No)
Sediment and Erosion Control Requirements	Appropriate erosion and sediment control BMPs are installed on all construction sites.	Yes	NPDES Construction Storm Water Permit and ARDOT Standard Specifications for Highway Construction.		Erosion and sediment control BMPs and SWPPP development were added during design by Roadway Design, State Aid designers, consultant designers or the responsible engineer at the District level and implemented during actual construction.	Yes
State Construction Engineer						
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Complaints		Summary of Results or Activities	Effective (Yes or No)
			Received	Followed-Up On		
BMP 4.4 Means for Public Comment on ARDOT Activities	All communications will be answered within 3 business days of receipt. Valid concerns will be relayed to the Construction Division for resolution.	Yes	3	3	The Department investigated and resolved all complaints within their jurisdiction during Permit Year 2.	Yes
Natural Resources Section/State Construction Engineer						
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	# of Applicable Sites Requiring Plans	# of Plans Reviewed	Summary of Results or Activities	Effective (Yes or No)
Site Plan Review Procedures	SWPPP produced for each project with one acre or more of disturbed soil.	Yes	64	64	Each SWPPP is reviewed and approved by a P.E. and implemented under the supervision of an engineer.	Yes
Division Heads-Roadway Design and State Aid/ State Construction Engineer						

SMALL MS4 ANNUAL REPORT FORM

CONSTRUCTION SITE RUNOFF CONTROL

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Site Inspections Performed			Summary of Results or Activities	Effective (Yes or No)
			# of Applicable Sites	# Performed	Avg. Frequency		
Site Inspection Procedures	All ARDOT construction sites with one acre or more of disturbed soil will be inspected at least every seven days as required by the NPDES Construction Storm Water Permit and the SWPPP.	Yes	Since the number of jobs varies from month to month, it isn't feasible to provide an annual number for this BMP.	Since the number of jobs varies from month to month, it isn't feasible to provide an annual number for this BMP.	At least every seven days.	The ARDOT construction and maintenance projects with coverage under the NPDES Construction Storm Water Permit are inspected at least every seven days, and inspection records are maintained on the project. Each inspection report is certified by the engineer with project oversight.	Yes
State Construction Engineer							
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Violations			Summary of Results or Activities	Effective (Yes or No)
			# of Violation Letters	# of Enforcement Actions			
Enforcement Procedures	N/A					This requirement is not applicable to ARDOT, but ARDOT issued 6 warning letters to contractors that failed to repair BMPs in a timely fashion.	N/A

(See attachments for additional BMPs)

SMALL MS4 ANNUAL REPORT FORM

CONSTRUCTION SITE RUNOFF CONTROL (Attachment)

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities	Effective (Yes or No)
BMP 4.1 Training and Certification Program for Department Personnel Assistant Chief Engineer-Operations	Provide annual training to all construction personnel whose daily duties could impact storm water.	Yes	Seventy-nine employees and 45 contractors were trained and certified through the CTTTP program during Year 2. To supplement this training, the Natural Resources Section provided erosion and sediment control training for an additional 198 construction personnel during the Permit Year.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities	Effective (Yes or No)
BMP 4.2 New Construction BMPs Natural Resources Section-Research State Const. Engineer-Testing NPDES Standing Committee/ Specifications Committee-Adoption	Adopt three new erosion and sediment control BMPs into the Standard Specifications or by Special Provisions during the term of the Permit.	Multi-year BMP	In Year 2, a Special Provision for removing and replacing topsoil was accepted for incorporation into several contracts. A research project testing compost filter blankets was installed during year one and is still being evaluated. In year 2, the job containing the special provision for composted riprap was underway; the job will continue to be evaluated for effectiveness. Also, the use of Flexamat for hard armoring ditch lines prone to erosion was researched and tested on a pilot project to determine its applicability to ARDOT projects.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities	Effective (Yes or No)
BMP 4.3 Erosion and Sediment Control Design and Construction Manual State Construction Engineer	The Manual will be maintained on all construction and maintenance jobs which require coverage under the Construction Storm Water General Permit. A copy will also be maintained on the Department's website to be used by personnel as necessary.	Yes	The ARDOT Erosion and Sediment Control Design and Construction Manual was updated in 2016. The update included three new BMPs: wattles, triangular silt dikes, and filter socks. The Manual is maintained on all ARDOT construction and maintenance jobs which require a SWPPP and as a reference at area maintenance facilities. It is also available on the ARDOT website for Department employees or the general public.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities	Effective (Yes or No)
BMP 4.5 Contractor Erosion and Sediment Control Training State Construction Engineer	Training will be offered to Department contractors through the "Notices to Contractors" portion of the ARDOT website and by mailings to all pre-qualified contractors during Years 2 and 4 of the Permit.	Ongoing	Beginning October 2018, the prime contractors for projects requiring a SWPPP must have personnel certified in National Pollutant Discharge Elimination System Training through the Center for Training Transportation Professionals (CTTP) at the University of Arkansas. During Permit Year 2, 45 contractors were certified at CTTTP.	Yes. Contractors' personnel attend the training.

SMALL MS4 ANNUAL REPORT FORM

CONSTRUCTION SITE RUNOFF CONTROL (Attachment)

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities	Effective (Yes or No)
BMP 4.6 Staff Assistance Visits to ARDOT Projects Natural Resources Section	Visit at least ten projects during each year of the Permit, provide a report of results to appropriate managers, and provide an overall assessment to the Districts and the Construction Division at the end of each calendar year.	Yes	Members of the Natural Resources staff visited 20 ARDOT projects during Year 2 and provided feedback to the Districts.	Yes

SMALL MS4 ANNUAL REPORT FORM

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Cite Local Code(s) Being Used (If available, web link for code(s))		Summary of Results or Activities	Effective (Yes or No)
Ordinance or Other Regulatory Mechanism	N/A		N/A		ARDOT complies with the requirements of the NPDES Construction Storm Water Permit to fulfill this minimum measure on highway construction. In addition, source control measures are practiced at Department maintenance facilities to prevent pollutants from entering waterbodies.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Structural and/or Non-Structural Standards Being Used		Summary of Results or Activities/Compliance rates with MS4 requirements	Effective (Yes or No)
Post-Construction Requirements	N/A		ARDOT complies with the requirements of the NPDES Construction Storm Water Permit and the ARDOT Standard Specifications for Highway Construction as a means of fulfilling this minimum measure.		Compliance is achieved by obtaining coverage for all ARDOT construction projects under the NPDES Construction Storm Water General Permit and by conforming to Permit and Standard Specifications.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	# of Applicable Sites Requiring Post-Const. BMPs	# of Plans Reviewed	Summary of Results or Activities	Effective (Yes or No)
Site Plan Review Procedures	Plans and SWPPPs including appropriate post-construction BMPs are produced for each project with one acre or more of disturbed soil.	Yes	64	64	SWPPPs including post-construction BMPs are developed and implemented for all construction projects with one acre or more of disturbed soil. Each site is reviewed by the engineer at the completion of work to ensure all items have been installed as required by the plans and contract.	Yes
State Construction Engineer						
BMP & Responsible Party		Completed (Yes or No)	Violations		Summary of Results or Activities	Effective (Yes or No)
			# of Violation Letters	# of Enforcement Actions		
Enforcement Procedures	N/A				This BMP is not applicable to ARDOT.	N/A
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	# of Sites Requiring Plans/Agreements	# of Plans Developed/Agreements in Place	Summary of Results or Activities	Effective (Yes or No)
Long-Term O&M Plans/Agreements	N/A				The function of Maintenance within ARDOT is to operate and maintain the State highway system, which includes the storm water drainage system.	Yes

(See attachment for additional BMPs)

SMALL MS4 ANNUAL REPORT FORM

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT (Attachment)

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities		Effective (Yes or No)	
BMP 5.1 Post-Construction BMPs	Present possible BMP candidates to the NPDES Standing Committee and the New Products Committee for consideration and possible testing on Department projects.	Ongoing	The Natural Resources Section will continue the evaluation of BMPs effectiveness throughout the permit cycle. A product named Flexamat is also being evaluated as a post-construction BMP. Additionally, a compost blanket test site is underway at a post construction area that has struggled with long term vegetation issues due to poor soils.		Yes	
Natural Resources Section/Research/State Construction Engineer-Testing						
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Site Inspections Performed		Summary of Results or Activities	Effective (Yes or No)
			# Performed	Avg. Frequency		
BMP 5.2 BMP Inspection and Maintenance	Perform follow-up maintenance to keep BMPs in good working order.	Ongoing	Quarterly inspections are required within each of the small regulated MS4 areas in the ARDOT MS4 system.	Inspections are performed at least quarterly.	ARDOT Area Maintenance Supervisors are required to survey the MS4 drainage system within the small MS4 areas at least quarterly to identify maintenance needs. Information and record-keeping guidance for the inspections of the MS4 drainage systems were provided during training in Year 2.	Yes
District Maintenance Engineer						
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities		Effective (Yes or No)	
BMP 5.3 Employee Training	Provide training for Area Maintenance Supervisors in Years 3 and 5 of the Permit.	Year 1 and 2 BMP	The Department provided additional training to all 330 Maintenance employees on the inspection and maintenance of the MS4 drainage system during 2020 annual NPDES training.		Yes	
Natural Resources Section/District Maintenance Engineer						
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities		Effective (Yes or No)	
BMP 5.4 Review Plans for New Facilities	Review all new facility plans and recommend the incorporation of permanent BMPs when warranted.	Yes	During Year 2, two site plans for new or additional property were reviewed, and recommendations were provided on possible incorporation of permanent BMPs.		Yes	
Natural Resources Section/Facilities Management						

SMALL MS4 ANNUAL REPORT FORM

POST-CONSTRUCTION STORM WATER MANAGEMENT IN NEW DEVELOPMENT AND REDEVELOPMENT (Attachment)

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities	Effective (Yes or No)
BMP 5.5 Existing Facility BMP Survey	Ten maintenance facilities to be surveyed during each year of the Permit with recommendations provided to the Districts for their consideration.	Yes	During Year 2, 12 of the 94 maintenance facilities with coverage under the MS4 permit were surveyed and recommendations on possible incorporation of permanent BMPs were provided to the Districts where appropriate.	Yes
Natural Resources Section				
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities	Effective (Yes or No)
BMP 5.6 Post-Construction BMP Review	A field survey of post-construction BMPs to be conducted on two completed construction projects during each year of the permit with an overall assessment prepared and presented to the NPDES Standing Committee in Permit Year 5.	Multi-year BMP	No completed jobs were visited during Year 2 of the Permit to assess the effectiveness of the post-construction BMPs since this was not a priority during the pandemic. Vegetation establishment is the most important BMP as roots anchor the soil in place and above ground growth slows stormwater and traps pollutants. The Department continues to work to overcome the challenges of topsoil removal, steep cut slopes, and generally poor soils that can be encountered with road and bridge construction.	Yes
Natural Resources Section				

SMALL MS4 ANNUAL REPORT FORM

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Topic(s)	Targeted Audience	# of Employees Attended	Summary of Activity	Effective (Yes or No)				
BMP 6.6 Maintenance Employee Training Program	Natural Resources Section to provide annual training to at least 90% of eligible maintenance employees.	Multi-year BMP which will continue for the life of the Permit.	Illicit discharge detection/reporting, MS4 Program requirements, NPDES Pesticide Permit requirements, environmental restraining conditions for maintenance activities, facility pollution prevention plan implementation; spill prevention control and countermeasures.	Maintenance supervisors and facility managers.	In 2020, there were 330 maintenance personnel trained.	Training provided by the Natural Resources Section staff included the MS4 SWMP requirements, BMPs for facilities and small construction sites, Pesticide General Permit information, and spill response procedures.	Yes				
Natural Resources Section/ District Maintenance Engineer											
List of Municipal Facilities Subject to Program					O&M Procedures Developed for Facilities (Yes or No)	# of Facility Inspections Performed	Frequencies of Such Inspections				
This requirement is covered under BMP 6.4 of the SWMP, Pollution Prevention Plans for Department Facilities and BMP 6.5, Staff Assistance Visits to Department Maintenance Facilities. (A list of ARDOT facilities with Pollution Prevention Plans (PPP) is included in the SWMP.)					Yes	An annual inspection is required at each of the listed ARDOT facilities.	At least annually.				
BMP 6.3 Drainage System Surveys	Summarize Maintenance Activities and Schedules			Summarize Activities Performed							
	This requirement is met by following the schedule produced for BMP 5.2, BMP Inspection and Maintenance.			Quarterly inspections of the ARDOT MS4 drainage system within the Small MS4 areas throughout the state and maintenance of the drainage system are performed as a routine activity by Department personnel.							
BMPs 6.1 and 6.8 Disposal of Wastes	Procedures Developed (Yes or No)		Document Amounts of Wastes Properly Disposed								
	Yes		Used motor oil – 19,561 gallons recycled or used for heating. 188,906 yds ³ Litter collected and properly disposed								
Road Salt	Covered (Yes or No)		Tons Used	Summarize Measures Taken to Minimize Usage							
	Yes		5,324 tons	Salt application is a major expense for the Department so only the minimum required to keep the roads safe for travel is applied.							
BMP 6.7 Vegetation Management	Procedures Developed (Yes or No)		Gallons Used	Summarize Measures Taken to Minimize Usage							
	Yes. State Plant Board requirements and the NPDES Pesticide General Permit ARG870000 govern this.		50,325 gallons	947 ARDOT herbicide applicators are certified with the Arkansas State Plant Board. Herbicides are applied sparingly and only in areas where other vegetation control methods are not practical. The significant cost of the materials as well as established application procedures and rates limit the amount applied to the job.							

SMALL MS4 ANNUAL REPORT FORM

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS

BMP 6.7 Fertilizer Usage	Procedures Developed (Yes or No)	Pounds Used	Summarize Measures Taken to Minimize Usage
	Yes	839,241 Tons	The ARDOT Standard Specifications for Highway Construction specify the fertilizer application rates, which were developed to ensure the establishment of new vegetation on disturbed area. ARDOT inspectors ensure the proper rate of fertilizer is used in conjunction with seed application. This number will vary widely from year to year depending on the number and acreage of construction projects let to contract.
BMP 6.2 Street Sweeping	Procedures Developed (Yes or No)	Document Amount of Material Collected and Properly Disposed	
	Streets are swept as required.	40,701 cubic yards of sweeping collected and properly disposed.	
Flood Management Projects	Summarize any New or Existing Flood Management Projects that were Assessed for Impacts on Water Quality		
	N/A		

(See attachment for additional BMPs)

SMALL MS4 ANNUAL REPORT FORM

POLLUTION PREVENTION/GOOD HOUSEKEEPING FOR MUNICIPAL OPERATIONS (Attachment)

BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities	Effective (Yes or No)
BMP 6.4 Pollution Prevention Plans for Department Facilities Natural Resources Section- Development District Maintenance Engineer-Implementation	Maintain and continue to implement Pollution Prevention Plans at all Department maintenance facilities statewide under General Small MS4 Permit.	Yes	Pollution Prevention Plans (PPPs) have been developed and distributed to all maintenance facilities and are updated as required. During 2020 NPDES training, 330 maintenance personnel received training on PPP components including, but not limited to, NPDES MS4 Storm Water Management Plan, Spill Prevention Control & Countermeasures Plan requirements, the Pesticide General Permit, Short-term Activity Authorizations, and appropriate BMP implementation.	Yes
BMP & Responsible Party	Measurable Goal	Completed (Yes or No)	Summary of Results or Activities	Effective (Yes or No)
BMP 6.5 Staff Assistance Visits to Maintenance Facilities Natural Resources Section	Visit 10 maintenance facilities each year during the term of the Permit.	Yes	During Year 2, the Natural Resources Staff visited 12 of the 94 maintenance facilities to identify possible areas for improvement.	Yes

SMALL MS4 ANNUAL REPORT FORM

PROPOSED CHANGES TO YOUR SWMP (IF ANY)

- Summarize any proposed changes to your SWMP, including changes to any BMPs or any identified measurable goals that apply to the program elements. If you fail to satisfy measurable goals for the reporting year, please explain why.

A new organizational chart is included to update the SWMP. Also, a change of authorization form is included to update the Responsible Official.

SMALL MS4 ANNUAL REPORT FORM

VARIANCES GRANTED (IF ANY)

- Identify and summarize any variances granted under your storm water program.

**REQUEST FOR CHANGE OF AUTHORIZATION
(CERTIFICATION AND SIGNATORY REQUIREMENTS)**

NPDES Permit Number: ARR040004 Facility Name: Arkansas Department of Transportation

Type of Change: ☐ New Cognizant Official (or duly authorized representative) (sections 1 and 2)
(check one) ☒ New Responsible Official (complete section 2 only)
☐ Both (sections 1 and 2)

1. **NEW COGNIZANT OFFICIAL** (or duly authorized representative) (See 122.22(b); the individual, authorized by the ranking official in writing, as **having responsibility for the overall operation** of the regulated facility or activity responsibility, or having overall responsibility for environmental matters for the company.)

The ranking official hereby designates the following **individual** as the cognizant official, (duly authorized representative), for signing the permit required reports, etc., including Discharge Monitoring Reports (DMR) required by the permit, and other information requested by the Director:

Signature of the Cognizant Official (Duly Authorized Representative)

Name (First Name, MI, Last Name) Typed or Printed

Mailing Address

City, State, and Zip

Title

()
A/C

Phone

Fax

Email Address:

By signature below, the responsible official certifies that the above named **individual** is qualified to act as the duly authorized representative under the provisions of 40 CFR 122.22(b).

2. **RESPONSIBLE OFFICIAL** (**Note:** The responsible official is the person authorized to sign the permit application i/a/w 40 CFR 122.22(a). For a Corporation: it is the responsible corporate officer. Partnership or Sole Proprietorship: the general partner or proprietor. Municipality, State, Federal or other Public Agency: the principal executive officer ranking elected official.)



Signature of the Responsible Official

3-25-2021

Date

Jared D. Wiley

Name (First Name, MI, Last Name) Typed or Printed

P.O. Box 2261

Little Rock, AR

Mailing Address

City, State, and Zip

Assistant Chief Engineer- Planning

(501)

569-2241

569-2688

Title

A/C

Phone

Fax

Email Address:

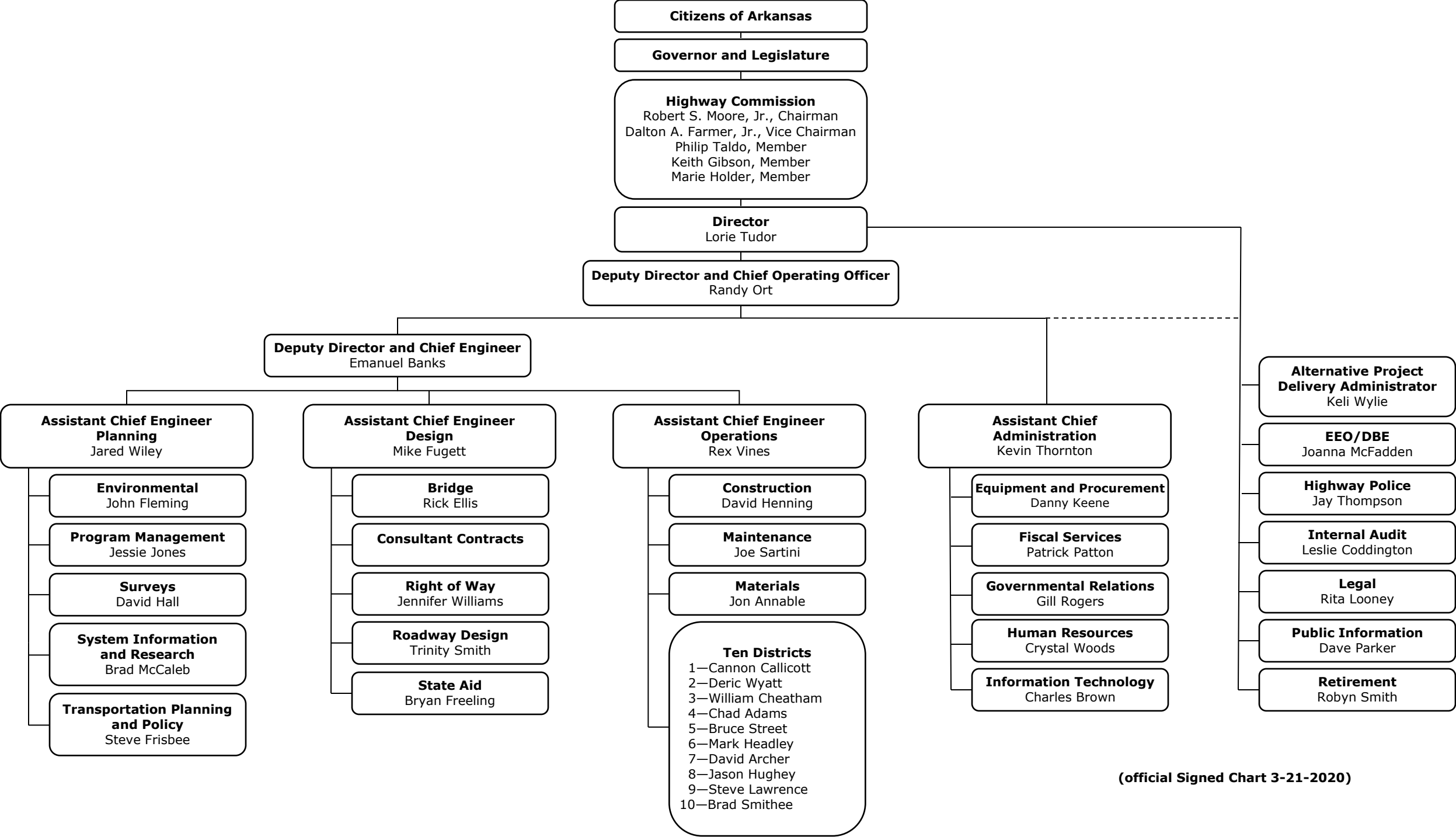
jared.wiley@ardot.gov

Certification: I certify under penalty of law that this document and all attachments were prepared under my direct 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.

Will the Responsible Official also be the person signing submittals?

☐ Yes ☒ No

ARKANSAS DEPARTMENT OF TRANSPORTATION
ORGANIZATION CHART



(official Signed Chart 3-21-2020)