

ARKANSAS
DEPARTMENT OF ENVIRONMENTAL QUALITY (ADEQ)
MULTIPURPOSE GRANT WORKPLAN
FY 2016

Summary Statement

Arkansas has been allocated a total of \$306,253 under the Multipurpose Grant. This allocation is split between core air regulatory work (65 % or \$199,065) and other State-identified priorities (35 % or \$107,189). ADEQ plans to use the \$199,065 allocated to support core air regulatory work in Arkansas to achieve the objectives 1 and 2 described below. ADEQ plans to use the \$107,189 allocated to other State- identified priorities to achieve objective 3 below. A description of the proposed workplan for this funding, as well as outputs and timeframes, are listed in the following tables.

ADEQ Objective 1: In concert with the Section 105 State and Tribal Air Grant workplan, ADEQ will utilize this funding to support for ongoing priority activities that are aimed at protecting and improving air quality. Although 105 STAG funds go toward supporting this objective, the Department requires additional funding to adequately address these areas.

ADEQ Objective 2: ADEQ will utilize this funding to support outreach, research, and education to fellow agencies, governing officials and public on the importance of policy and the impact of crop residue management techniques and prescribed fire management on our air quality.

ADEQ Objective 3: In collaboration with the Arkansas Natural Resources Commission (ANRC), Arkansas Department of Health, and the Arkansas State Plant Board (a Division of the Arkansas Department of Agriculture), ADEQ will use this funding to develop the Beautiful Buffalo Collaborative. The collaborative will involve a broad stakeholder group, including multiple state, federal, and local agencies as well as community representatives. The focus of this collaborative will be to develop programs and studies to improve and protect water quality in the Buffalo River Watershed. A significant portion of the funding will be subawarded to the ANRC to develop an EPA-accepted nine element watershed-based plan for the Buffalo River Watershed National Park Service priority watershed and to develop support for the plan and its implementation.

ADEQ Item #	Implementing and revising SIPs, as necessary	Output/Reporting Mechanism	Time Frame
1	Finalize revisions to the upset or startup, shutdown, and malfunction (SSM)-related regulations in response to the SIP call petition signed May 22, 2015. As appropriate, submit SIP revisions to revise upset or startup, shutdown and malfunction (SSM) provisions per final SIP call by November 22, 2016.”	End-of-Year Review	Ongoing
2	Work with EPA to address any issues raised related to submitted “Threshold Revision” SIP	Periodic Planning Calls	Ongoing
3	Conduct SO ₂ air quality planning, including the development and submittal of attainment demonstration SIPs as necessary, in accordance with EPA rules and guidance, including the final SO ₂ Data Requirements Rule.	Planning calls or meetings	Ongoing
4	Submit revisions to the SIP, as necessary, within the time frame allowed by federal rules	Submission(s) to EPA	Ongoing
5	Implement applicable requirements of the approved SIP	Periodic Planning Calls / EOY Review	Ongoing
6	Submit draft, proposed, and/or final SIPs, equivalency demonstrations, and/or delegation requests, as necessary, in response to revisions to NSR rules.	Submission(s) to EPA	Ongoing / Within timeframes specified in CAA / federal rules

ADEQ Item #	Ambient monitoring	Output/Reporting Mechanism	Time Frame
7	Report real time ozone, NO ₂ , SO ₂ and PM _{2.5} , to AirNOW for cities required to report the AQI (state/local only).	AirNow	Ongoing [present target is within 20 minutes; long-term goal is 5 minutes]

8	Notify 6PD-Q prior to establishing, modifying, relocating, or discontinuing any monitor and/or site.	Letter	30 days prior to change
9	Conduct quarterly QA checks for flow rates of PM _{2.5} Pb monitors.	AQS	Quarterly
10	Produce quality data and submit updated Quality Management Plan every five years or when major changes occur and Quality Assurance Project Plans annually or when major changes occur	QMP and QAPP's	60 days before expiration

ADEQ Item #	Other related NAAQS implementations activities	Output/Reporting Mechanism	Time Frame
11	Review air quality reports and take appropriate actions dealing with new areas violating attainment of any of the NAAQS.	Periodic Planning Calls / EOY Review	Ongoing
12	Address and work with R6 to resolve any exceptional events.	Data flagging in AQS, letter of notification to Region & Exceptional Event Demonstration	As necessary based on the submittal, notification, and timeline requirements in the Exceptional Events Rule's Sec. 50.14(c)

ADEQ Item #	Other related NAAQS implementations activities	Output/Reporting Mechanism	Time Frame
13	Prepare to submit criteria pollutant emissions data for the 2015 reporting year Air Emissions Reporting Requirements (due December 2016).	Data collection and review End-of-Year Review	Ongoing
14	Respond to EPA comments on data prior to publication, including submission revisions as needed.	Responses End-of-Year Review Review	Ongoing

ADEQ Item #	Developing and Implementing strategies to reduce air toxics	Output/Reporting Mechanism	Time Frame
15	Continue to work with Region 6 regarding delegation of portions of Part 112 Standards.	Periodic Calls	Ongoing

ADEQ Item #	Regional haze planning activities	Output/Reporting Mechanism	Time Frame
16	Continue to develop Regional Haze strategy, including development and submission of a SIP revision to submit to EPA to replace the forthcoming regional haze FIP	Periodic Planning Calls	Ongoing

ADEQ Item #	Other State-led activities to improve air quality	Output/Reporting Mechanism	Time Frame
17	<p>Inter-Agency Prescribed Fire Policy Forum: Objective: To promote, encourage and enhance best management practices and plans for the use of fire as an ecosystem management tool in the State of Arkansas and to stimulate discussion of recent and up-coming regulatory actions that affect prescribed fire practitioners.</p>	Inter-Agency policy outreach	Expected to be scheduled by late Fall/early Winter 2016
18	<p>Managing Crop Residues to Reduce Particulate Matter Emissions: Objective: To evaluate the advantages/disadvantages of each crop residue management options to the productivity, profitability, soil and air quality.</p>	Progress reports will be submitted to ADEQ	30 June of 2017 and 2018
19	<p>Managing Crop Residues to Reduce Particulate Matter Emissions: Objectives: To conduct a 2-year producer survey, accounting for various responses to yearly variation in environmental conditions, to document residue practices and determining factors.</p> <p>To conduct plot-scale experiments on alternative crop residue management methods of rice crops (note: wheat/soybean rotation discontinued), and the circumstances where each method may be favorable both to production and reducing environmental impact</p>	Progress reports will be submitted to ADEQ	30 June of 2017 and 2018

ADEQ Item #	Other State-identified priorities	Output/Reporting Mechanism	Time Frame
20	<p>Beautiful Buffalo Collaborative and Watershed Management Plan: Objective: To prepare an EPA-accepted nine element watershed-based plan for the Buffalo River National Park Service priority watershed; and</p> <p>To support water quality research; to engage State, local, and federal agencies, as well as community representatives, in a stakeholder process; to identify and address ongoing water quality concerns; and to develop and implement programs to improve and protect water quality of the Buffalo River Watershed</p>	<p>Quarterly reports Final Report Submission to EPA</p> <p>Interagency and stakeholder engagement</p>	<p>15 months</p> <p>Ongoing</p>