

US EPA ARCHIVE DOCUMENT

EI 97700101

State Innovation Grant
Missouri Department of Natural Resources
St. Louis Air Quality Management Plan
3rd Quarter 2009 Progress Report

Synopsis of Accomplishments

Based on the project timeline, the activities planned in this quarter are designed to further the project team's development of the AQMP including the completion of the draft AQMP for review, begin use of the data and modeling constructs, and furthering the outreach for community involvement in plan development. The development of the AQMP document was on-going during this reporting period and the final draft of the plan is anticipated in early November. There were five AQMP conference calls during the 3rd quarter of 2009 including a discussion with the Bay Area Air Quality Management District (San Francisco/Oakland) to review the recent air quality management practices they are pursuing on September 10. During these and other discussions, EPA-OAQPS has emphasized that the final December deliverable (e.g. AQMP document) is critical to the on-going AQMP project. This emphasis has led to inclusion of individuals not employed by either state agency as part of the "working group" for development of the plan. This inclusion will bring additional perspective to the plan and will enhance the overall effectiveness of its implementation.

Also, the proposed change to the Missouri Emission Inventory System (MoEIS) to allow for collection of air toxics data has been cancelled by the department's Information Technology Services Division due to lack of staff time for the project and the budget shortfalls within the Department. This will have a minor impact on this project and will require more effort from technical staff within the Air Pollution Control Program to produce the necessary inventory for the project. However, this does not appear to be a critical issue for overall success of the project.

The specific details for each important grant task are outlined below in Table 1.

Table 1 - Schedule of Major Project Tasks

Task Name	Task Description	Outputs Expected	Start Date	End Date	Complete	Comments
3B2	Quality Assurance Project Plan (QAPP)	Development and submittal of QAPP for creation and implementation of the St. Louis AQMP	Submittal of draft QAPP for the project to USEPA	10/08	3/09	Work on QAPP tabled until AQMP is finalized
4.1	Air Toxics Inventory	Obtain and process for use air toxics inventory information from Missouri/Illinois sources along with EPA National Toxics Inventory database for point, area, and mobile sources as a template for AQMP use	Template to develop air toxics inventory for use in photochemical modeling and inventory analyses	7/08	10/09	This work is ongoing and staff has obtained the information to begin evaluation of the inventory data for the St. Louis area
4.1.1	Emission Model Construct Transfer/Training *	EPA-OAQPS has developed an emission modeling construct to process air toxics inventory information that is critical for use in this project; transfer of this construct from OAQPS with support for use	Transfer of information from EPA-OAQPS and trained technical staff (with guidance from EPA)	7-8/08	1-3/09	Preliminary work on files used for the Detroit study has commenced. Staff are currently developing the products needed for additional efforts.

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4.1.2	Upgrade Missouri Inventory System for Air Toxics** Change in coding necessary to support air toxics inventory improvement for stationary sources in Missouri's current Emission Inventory System (MoEIS); will require contract (\$10,000); output will be a modified system that will track VOC, HAPs, and PM emission units independently instead of VOC/HAP and PM/HAP as currently done	Improved inventory system for ease of facility entry of emission information, improved quality assurance of plant-provided toxic data, and data analyses/storage capability	10/08	10/09	N/A	This task has been eliminated due to lack of information technology assistance. Priorities have changed and this portion of the project is no longer achievable.
4.2	Photochemical Modeling Transfer/Training** EPA-OAQPS has developed (is developing) an air quality (photochemical) model to evaluate ozone, PM, and air toxics using the same model/inputs; transfer of this model to allow for a comprehensive evaluation of all relevant pollutants in StL	Transfer of information from EPA-OAQPS and trained technical staff (with EPA guidance)	10/08	4-6/09	N/A	Same as 4.1.1
5	Creation of AQMP* Development of the plan entails considerable public outreach, incorporation of technical information, policy discussions between the relevant agencies and stakeholders, and ultimately decisions about what are air quality priorities in St. Louis	The AQMP submitted to USEPA	12/07	12/09	N/A	The AQMP development is nearly completion. The final draft will be circulated very shortly.

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5.1 Public Outreach/ Education*	Meetings with local community to begin the education process about AQMPs; meetings with AQMP team, stakeholders and internal management to discuss technical policy issues related to the AQMP;	Meeting summaries; documented revisions to the AQMP; Missouri Air Conservation Commission adoption of the AQMP	12/07	12/09	N/A	Two meetings of the Air Quality Advisory Committee in St. Louis were held and the AQMP is an on-going topic.
5.2 Incorporation of Technical Information**	Incorporate experience with model constructs and processes from Task 4 into the AQMP structure	Discussion within the AQMP about problems/solutions, concepts to be included, start of documentation regarding transfer of data to others	4-6/09	10/09	N/A	See 4.1.1
5.3 Prioritization of Air Quality Issues in St. Louis**	Decisions by the agencies with substantive stakeholder input regarding the prioritization of air quality problems within the area, resource allocation, staffing, etc.	Discussion within the AQMP about resources, air quality priorities, funding issues, etc.	8/09	10/09	Draft	This goal has been tailored to evaluate existing requirements in St. Louis and new information regarding the 2006 PM2.5 designation and 2008 ozone standard will delay prioritization

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6.1.1	Development of Request for Proposal (RFP) for Air Quality Modeling Contract**	Completed RFP for modeling assistance	12/08	3-5/09	N/A	Based on changes to PM2.5 and ozone standards and a focus on developing the actual AQMP, the RFP will not be necessary until after the AQMP is finalized.
6.1.2	Selection of Contractor/Contract Agreement**	Documentation of contract process and selection of contractor for this project and final contract for use	7/09	9/09	N/A	Tabled until after final AQMP is developed
6.1.3	Selection of Modeling Database (year, domain, etc.)*	Technical document detailing decision and rationale	9-10/09		N/A	Tabled until after final AQMP is developed

Narrative Discussion

The on-going budget problems in the state of Missouri are being addressed evaluated. While there is no definitive plan to address current funding shortfalls, the Air Program remains committed to finalizing the AQMP and beginning its implementation. The other issue related to the AQMP is beyond the control of the department. The department was moving forward with efforts to begin analysis of the 2008 ozone standard under the AQMP for St. Louis. However, EPA's September 2009 reconsideration of the standard has put this process on hold. The reconsideration and the designation of the St. Louis area as attainment under the 2006 PM2.5 standard will need to be factored into the final AQMP document and carried forward into its implementation.

Next Quarter Activities

Finalization of the AQMP will be the primary focus of the 4th quarter 2009 activities for the project. The final AQMP will provide clear direction to the AQMP team to begin implementation of the plan. Also, the department was preparing to take the AQMP before the Missouri Air Conservation Commission for adoption as the mechanism to conduct air quality planning in the St. Louis area. However, due to the time frame associated with MACC adoption and the on-going SIP submittal adoptions, the department has determined this step is unnecessary and will not take place. Nonetheless, the MACC and the department are still strongly supportive of the AQMP effort and will continue its development and ultimate use of its products for submittal to EPA. Also, the Air Quality Advisory Committee meetings and further staff efforts on the analysis tools and modeling constructs for the project will continue.

Financial Report

The following items were billed to the grant.

Personal Service	\$5,172
Fringe	\$3,026
Indirect	\$1,859

This leads to a total expenditure of \$10,057 during the 3rd quarter 2009.