Shreveport-Bossier City Metropolitan Statistical Area

Early Action Compact Progress Report

June 30, 2004

Prepared for
U.S. Environmental Protection Agency
Region 6
Dallas, Texas

Contents

1. Introduction

The U.S. Environmental Protection Agency (EPA) requires signatories of Early Action Compacts (EAC) to prepare a progress report every six months that describes the progress made to date against the EAC milestones. This progress report will summarize activities related to the Shreveport – Bossier City Metropolitan Statistical Area's EAC during the period from January 1 through June 30, 2004.

2. Development of Control Strategies/Early Action Plans

The first quarter of 2004 was spent finalizing the Air Quality Improvement Plan (AQIP) for submission by the Shreveport – Bossier City MSA (the MSA) to the Louisiana Department of Environmental Quality (DEQ) . During this period, final control measure and 2012 maintenance modeling analyses were completed, and the primary planning strategies for ensuring continued attainment through 2007 were refined and finalized

The strategies included (a) selection of six control measures for implementation by the end of 2005 at the latest, and (b) formulation of a contingency plan, which would require the MSA to take specified actions in the event that ozone design values increase to the non-attainment threshold. The particular control measures, as well as the contingency plan, are set out in detail in the AQIP submitted on March 31.

The Greater Shreveport Clean Air Citizens Advisory Committee (CACAC), which is the primary air quality planning entity for the MSA, considered these strategies via e-mails and telephone conferences during the week of January 19, and agreed with the proposed approach. With regard to the "contingency" provision, it was noted that the AQIP should not list specific control measures to be implemented in the event of a contingency, because the particular circumstances which could give rise to a higher design value in the future will clearly have a significant bearing on the types of strategies selected, and those circumstances are obviously unknown at present. Instead, the CACAC determined that the AQIP's contingency plan should contain a schedule for the selection of appropriate strategies, should such a need arise, based on the particular circumstances of the contingency.

Also during this period, emissions reduction estimates expected to result from the implementation of four of the six listed initial control strategies were refined and finalized, to the greatest extent possible. Exact emissions reduction estimates were unable to be established for two of the control strategies (piping of landfill gas to the General Motors plant and the installation of energy conservation equipment in city buildings). However, the MSA began partnering with the National Renewable Energy Laboratory, Louisiana Department of Natural Resources, EPA, DEQ, Louisiana State University, and AEP-SWEPCO (the local electric utility) on an innovative program to calculate emission reduction credits resulting from the City of Shreveport's energy efficiency initiative. It is hoped that this program, once established, can be utilized as a tool for air planning purposes throughout the country. As of the date of this progress report, work on the program is continuing.

The public was notified of the scope of the proposed AQIP via newspaper publication on February 24. Initially, an abstract summarizing the salient points of the proposed AQIP was posted on the City of Shreveport's web site, and the plan itself, along with the modeling report, was posted in March and remains posted on the City's website.

On March 9, the CACAC met for the last time prior to the March 31 submission, and received a final briefing from the modelers on their results. The plan was then put into final form, circulated to and approved by CACAC members, and submitted to DEQ by March 31.

3. Progress Toward Implementation of Local Measures

(a) Centerpoint Energy Plant Modification. Construction on this project has begun, and completion of the project (and the corresponding NOx reduction) is currently slated for September of 2004. Completion could be delayed somewhat if the adverse weather conditions experienced this spring and summer continue to impede progress.

(b) General Motors Plant Modification. This project has been fully implemented.

(c) Landfill Gas Recovery Project. This project has been fully implemented.

(d) Energy Conservation Program. The City signed the contract with Johnson Controls for the installation of energy conservation equipment on March 19, and work has begun. As mentioned above, a collaborative project between numerous state, federal and local agencies is ongoing, to quantify the emissions reduction benefits to be expected from this program. Currently, monthly demand and consumption profiles for both electricity and natural gas showing the reductions attributable to the project are being developed by Johnson Controls.

(e) Intelligent Transportation Systems. The system has been installed at 24 intersections.

(f) Hybrid Bus. In May, the Shreveport City Council approved the budget for the purchase of the bus. The bus is expected to be delivered within 12 months.

4. Progress Toward Completion of Additional Technical Analyses

No additional technical analyses are needed in this regard, as all modeling completed prior to the March 31 submission supports continued attainment. Any additional emissions reductions benefits from the landfill gas project and the energy efficiency program which can be quantified may be modeled and factored into the technical

analyses if feasible; however, such is not necessary in order to support the attainment demonstration.

5. Meetings

As discussed above, the CACAC held its last meeting prior to submission of the AQIP on March 9. The meeting was advertised in the local newspaper and the public was invited. At the meeting, the final modeling presentation was given and final results and conclusions were presented. Shortly thereafter, and after a public comment period concluded, the CACAC approved the AQIP for submission to DEQ.

6. Progress of State SIP Development

The following is the expected SIP processing schedule as of June 29, 2004, furnished by the DEQ:

SIP Noticed in Louisiana Register	8/20/04
SIP Public Hearing	10/7/04
SIP Comment Period	8/20 – 10/14/04
Response to SIP Comments	10/14 – 11/14/04
Submittal of Final SIP to EPA	Mid December '04

7. Obstacles

We are aware of no obstacles at this time toward completion of the December 31 milestone or any future milestones.