Shreveport-Bossier City Metropolitan Statistical Area

Early Action Compact Progress Report

June 30, 2006

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, 2006 through June 30, 2006.

2. Progress Toward Completion of Control Measure Implementation

As reported in the December 31, 2005 progress report, all EAC milestones have been fully implemented as planned. Attached is same spreadsheet excerpt from EPA's tabular project summary form which was submitted with the December, 2005 progress report, showing current information on the status of each of the six control measures.

3. Air Quality Improvements

The Shreveport-Bossier City Metropolitan Statistical Area continues to be in attainment of the eight hour ozone standard. No ozone action days have been declared for the Area during the first two months of the 2006 ozone season. Based on preliminary 2006 ozone season data, air quality has remained within

the "good" range (an AQI of less than 50) at both local ozone monitors for 24 hours a day over 41 days from May 1 through June 28, briefly reaching the moderate range for limited periods on the remaining 18 days, with only one incident (June 4th at the Dixie monitor) during which the 8 hour 85 ppb standard was briefly exceeded. These numbers are an improvement over the same period in 2005 (which was also considered to be a good year for air quality), during which time three exceedances of the 8 hour 85 ppb standard had been logged.

4. Emissions Reductions

Preliminary information substantiates that significant emissions reductions are being achieved as a result of the implemented control measures. Initial reports received from Johnson Controls, Inc. indicate that energy savings of approximately 14 million kWh of electrical energy and 187,000 ccf of natural gas have been realized during the period from mid-2004 through April, 2006 resulting from the installation of energy conserving equipment in City buildings; in upcoming months, efforts will be directed toward quantifying the local emissions reductions resulting from the realized energy savings, utilizing the calculations and formulas developed by the National Renewable Energy Laboratory as set forth in the revised SIP. Initial reports also indicate that NOx and VOC reductions resulting from the Centerpoint Energy plant modification and VOC reductions resulting from the GM plant modification have also been

significant. For instance, the Centerpoint Energy facility in Bossier Parish (historically one of the highest stationary source emitters of NOx in Caddo and Bossier Parishes) was permitted to emit 1034.26 tons per year of NOx and 89.41 tons per year of VOC in 2003, prior to implementation of the plant modification. By 2005, the permit for the facility had been modified to limit NOx emissions to 67.17 tons per year and VOC emissions to 20.42 tons per year. Actual emissions reported for the facility for 2005 were 50.79 tons of NOx and 17.89 tons VOC.

4. Additional Updates

Stakeholders continue to be kept abreast of any pertinent issues during the period via as needed, and no meetings were necessary during the period. No updates or revisions to modeling, technical analyses, or planning activities occurred during the period.

The City of Shreveport is the government agency responsible for implementing the following control measures: landfill gas recovery project; energy conservation program; intelligent transportation systems implementation; and obtaining of the hybrid bus. The Louisiana Department of Environmental Quality has oversight, via permit, of emissions from the Centerpoint Energy natural gas processing plant and the General Motors plant.

A. Control Measure	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction	F. NOx Reduction	G. Resources (FTE's, $$)	H. Additional Information
2 Shreveport, LA							
Synchronize traffic lights	Intelligent Transportation Systems installed at 24 intersections to synchronize & improve traffic signal operations	Fully implemented	2003	0.048 TPD	0.01 TPD	sufficient	
GM plant to install new VOC abatement system	Implemented with introduction of new product line	Fully implemented	October, 2003	1.37 TPD	0	sufficient	
Natural gas processing plant-reduce Nox emissions by 90% and VOC emissions by 50%	Upgrade of plant's liquids processing facility by elimination of compressors & equipment from plant's refrigeration oil absorption process	Fully implemented	Nov. 2004	0.014 TPD	2.56 TPD	sufficient	
Gas collection system-solid waste landfill	Landfill gas is captured and piped to local General Motors facility for use as boiler fuel	Fully implemented	Nov. 2003	NQ	NQ	sufficient	
Energy conservation- 33 city buildings - over 20 year upgrade	Equipment includes lighting system, HVAC and thermostat upgrades	Fully implemented	2004	NQ	0.041 TPD	sufficient	
Purchase 1 hybrid electric bus	City added first hybrid electric bus in state to its fleet	Fully implemented	May, 2005	0	0.002 TPD	sufficient	
Comments: Methodology for control measures is provided in the Shreveport-Bossier Citey EAC Air Quality Improvement Plan, Appendix A, Table 7-3, pages 7-15.							

NOTES:

[1] EAC identification number used to link entries in earlier control measures summary tables to a specific EAC.