



STEVEN A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

BRAD HENRY
Governor

December 25, 2007

Richard Greene, Regional Administrator
USEPA Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

RECEIVED - 6PDL
AIR PLANNING SEC.
07 DEC 26 PM 4:33

Subject: Tulsa Early Action Compact

Dear Mr. Greene:

Please find enclosed the Oklahoma DEQ portion of the July 1 to December 31, 2007 progress report for the Tulsa Metropolitan Area Early Action Compact (EAC). The Indian Nation Council of Governments (INCOG) will be responsible for providing an update on the implementation of the control measures, and submit a separate report. There are no applicable state control measures.

We are pleased to certify that: 1. All of the Oklahoma DEQ ozone monitoring data collected through October 31, 2007 has been quality assured and entered into the Air Quality System (AQS), and the certification of this data has been sent to Pam Phillips (Region 6) and David Lutz (EPA RTP) and 2. The 2005 through 2007 ozone season monitoring data has been quality assured and shows attainment with the 8-hour ozone standard. A copy of the 8-hour ozone monitoring summary data for the Tulsa Oklahoma area, and the signed 2007 data certification letter are enclosed.

We are pleased that the Tulsa Oklahoma area continues to remain in compliance with the 8-hour ozone standard and deferral of nonattainment is not necessary. We do, however, remain committed to meeting EAC milestones. An electronic copy of this report is also enclosed on CD.

If your agency has any questions, or needs additional information concerning this submittal, please contact Leon Ashford, of the Air Quality Division of the Department of Environmental Quality at 702-4100.

Sincerely,

Eddie Terrill, Director
Air Quality Division
DEQ

ET:LA:gg

Enclosures

- c: Jerry Lasker, INCOG
- c: Guy Donaldson
- c: Carrie Paige



Monitoring update for December 2007

2007 TULSA OKLAHOMA OZONE								
Highest 8 Hour Averages through 12/07/07								
Site			1st	2nd	3rd	4th	04-06 Avg*	05-07 Avg*
04 4th	05 4th	06 4th	(date)	(date)	(date)	(date)	4th Highs	4th Highs
Tulsa West ⁽¹⁴⁴⁾			0.080	0.072	0.072	0.071	0.077	0.077
0.071	0.076	0.085	22-Sep	21-Apr	15-Aug	2-Aug		
Tulsa East ⁽¹⁷⁸⁾			0.095	0.094	0.078	0.075	0.079	0.080
0.073	0.081	0.084	14-Aug	13-Aug	15-Aug	2-Aug		
Tulsa Central ⁽¹¹²⁷⁾			0.078	0.075	0.074	0.072	0.077	0.078
0.068	0.082	0.081	15-Aug	22-Sep	14-Aug	1-Sep		
Tulsa North ⁽¹³⁷⁾			0.080	0.075	0.075	0.073	0.079	0.080
0.071	0.083	0.084	3-Aug	3-Sep	22-Sep	25-Jul		
Tulsa South ⁽¹⁷⁴⁾			0.092	0.072	0.070	0.069	0.073	0.073
0.071	0.072	0.078	13-Aug	29-Aug	15-Aug	21-Apr		

*0.085 or greater indicates exceedance of National Ambient Air Quality Standards

Tulsa's design value has improved from an 84 ppb in 1999, our modeling base year, to 80 ppb in 2007.

The exceedance days for Tulsa, Oklahoma are listed below.

Year	Number of	
	days	sites
2007	3	5
2006	9	5
2005	6	5
2004	0	5
2003	9	5
2002	6	5
2001	7	5
2000	10	4
1999	14	3



STEVEN A. THOMPSON
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OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

BRAD HENRY
Governor

December 18, 2007

David Lutz
US Environmental Protection Agency
Mail Code (D243-02)
Research Triangle Park, NC 27711

Dear Mr. Lutz:

Please find enclosed copies of AMP450 and AMP250AQS reports containing summary statistics and Precision/Accuracy data for Ozone data only collected by the State of Oklahoma during the time frame of January 1, 2007 through October 31, 2007. This data has been certified at the request of Thomas H. Diggs, Associate Division Director of Air Programs, EPA Region 6, and are necessary to demonstrate attainment with the 8-hour ozone standard for each EAC area in the state. Please note that the AMP250 report is being supplied in lieu of the normally requested AMP240 report for precision/accuracy data which is unavailable until after the 2007 calendar year.

I certify to the best of my ability that all ozone data supplied in these reports, including precision/accuracy data for the 2005 – October 31, 2007 time period are complete and accurate and has been submitted into AQS.

Sincerely,

Kent Stafford
Environmental Programs Manager
Monitoring Section

cc: Pamela Phillips





a voluntary association of local governments serving creek, osage, rogers, tulsa and wagoner counties

201 west 5th street, suite 600 tulsa, oklahoma 74103-4236 918/584-7526

December 28, 2007

Richard Greene, Regional Administrator
USEPA Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Re: Tulsa Area Early Action Compact; Final Milestone

Dear Mr. Greene:

In accordance with the terms of the Early Action Compact (EAC) protocol, we are pleased to submit the enclosed Tulsa area local portion of the July through December 31, 2007 final progress report. The Oklahoma Department of Environmental Quality (ODEQ) previously submitted (under separate cover, dated 12/18/07 and 12/25/07) certification that:

- 1) All data collected through October 31, 2007 has been quality assured, entered into the AQS and submitted to EPA; and
- 2) The 2005 through 2007 Tulsa ozone season monitoring data has been quality assured and shows attainment of the 8-hour ozone standard.

This progress report concludes the final EAC milestone. We remain committed to air quality improvement through voluntary common-sense solutions and are grateful for the partnership with ODEQ and EPA through these efforts. Should you have any questions or if additional information is needed, please contact me at (918) 584-7526.

Sincerely,

Nancy Graham
Air Quality Program Manager

Enclosures

cc: Carrie Paige
Eddie Terrill
Jerry Lasker
John Selph
Rich Brierre
Richard Smith
Leon Ashford

Tulsa Area Early Action Compact December 31, 2007 - Final Progress Report

In December 2002, the Tulsa Area (TMSA) entered into the 8-Hour Ozone Early Action Compact (EAC) with the US EPA. In compliance with this EAC agreement, INCOG is pleased to provide this semi-annual and final report documentation to the Oklahoma Department of Environmental Quality and the US EPA.

Although the Tulsa Metropolitan Statistical Area was designated attainment of the revised 8-hour National Ambient Air Quality Standard (NAAQS) for ozone in April 2004, we elected to remain in the EAC program because we have exceeded the 8-hour ozone standard in the past and because improving air quality through continued reduction of ozone forming emissions remains a priority.

The Tulsa area continues to place high emphasis and commitment to improving air quality. In accordance with this commitment, the Tulsa area has affirmed intent to participate in the 8-O3Flex Program. We are in final development stages of the 8-O₃Flex Plan.

The Tulsa Area's EAC Transportation Control Strategy remains fully implemented completed and air quality improvement continues, as confirmed by the 2005-2007 ozone design value and ozone monitoring data. All Tulsa MSA ozone monitors remain in compliance with the NAAQS.

I. PUBLIC REVIEW AND OVERSIGHT

INCOG has continued to maintain open and systematic dialogue with local businesses, media public and private partners concerning EAC implementation efforts and progress. During this final reporting period of July 1 to December 31, 2007, EAC and air quality improvement efforts were presented in various venues including the following:

- a. The INCOG Transportation Technical Advisory Committee. INCOG staff briefed the committee on various air quality updates including EAC progress and associated EAC discussion.
 - July 15, 2007
 - August 22, 2007
 - September 19, 2007
 - October 17, 2007
 - December 5, 2007

- b. The INCOG Transportation Policy Committee. INCOG staff briefed the committee on various air quality updates including EAC progress and associated EAC discussion.
 - July 26, 2007
 - August 30, 2007
 - September 27, 2007
 - October 25, 2007
 - December 6, 2007

- c. The Tulsa Area Clean Cities Stakeholder Meeting included discussion about local air quality improvement issues. INCOG staff briefed the committee on the following stakeholder meeting dates:

- August 21, 2007
 - October 23, 2007
- d. INCOG Board of Directors Meetings; Tulsa Area Ozone Alert Public Relations Team Meetings, Air Quality media updates; and other air quality outreach and education:
- July 12, 2007: INCOG Board of Directors Meeting
 - July 24, 2007: PR Team Meeting
 - August 1, 2007: INCOG Air Quality Committee Meeting
 - August 9, 2007: INCOG Board of Directors Meeting
 - August 28, 2007: PR Team Meeting
 - September 11, 2007: PR Team Meeting
 - September 12, 2007: INCOG Air Quality Committee
 - September 13, 2007: INCOG Board of Directors Meeting
 - October 1, 2007: Tulsa Area Ozone Alert! 2007 Season End Event
 - October 9, 2007: PR Team Meeting
 - October 11, 2007: INCOG Board of Directors Meeting
 - November 8, 2007: INCOG Board of Directors Meeting
 - December 17, 2007: PR Team Meeting
 - December 18, 2007: INCOG Board of Directors Meeting

II. **Tulsa Area EAC Control Measure** - Transportation Emission Reduction Strategy - roadway expansion and intersection improvement projects; Control Measure Status: COMPLETED and FULLY IMPLEMENTED.

a. VOC Reduction & NOx Reductions

Control 12 – TRANSPORTATION EMISSION REDUCTION STRATEGY			
	On-Road Mobile Emissions Inventory	Tulsa TTMA	
NOx-wkday (Tons Per Day)	New Base 07	50.231	
	Control 12	47.603	
	Difference	-2.628	
	% difference	-5.23%	
VOC-wkday (Tons Per Day)			
	New Base 07	39.258	
	Control 12	39.238	
	Difference	-0.020	
	% difference	-0.05%	

Source: Environ

b. Capacity Improvement Projects

Project Title	Description	Total Lanes When Complete	Completion Date	STATUS
EXPRESSWAYS				
US-169 S.	I-244 to 21st Street S.	6 Lanes	COMPLETED	COMPLETED
BA EXPRESSWAY (S.H. 51)	193rd E Ave to Muskogee Turnpike	6 Lanes	COMPLETED	COMPLETED
BA EXPRESSWAY (S.H. 51)	I-44 to 161st E Avenue	6 Lanes	COMPLETED	COMPLETED
Creek Turnpike East	Will Rogers Turnpike to Muskogee Tpk	4 Lanes	COMPLETED	COMPLETED
Broken Arrow South Loop	US-169 to 161st E Ave	4 Lanes	COMPLETED	COMPLETED
Broken Arrow South Loop	Muskogee Tpk to 161st E Ave	4 Lanes	COMPLETED	COMPLETED
Creek Turnpike West	US-75 to Turner Turnpike	4 Lanes	COMPLETED	COMPLETED
Gilcrease Expressway North	US-75 to Lewis	4 Lanes	COMPLETED	COMPLETED
Tisdale Expressway	Apache to 36th Street N	4 Lanes	COMPLETED	COMPLETED
PRIMARY ARTERIALS				
E 91st St S (Washington St.)	Garnett to Main Elm (the 1/2 mile section from Elm to Main project was substituted by an added 1/2 primary arterial section of 61st street - West of Garnett and East of US 169)	3 Lanes	COMPLETED	COMPLETED
61st Street	Garnett to US 169	3 Lanes	COMPLETED	
S.H. 20	Lennapah to US-75	4 Lanes	COMPLETED	COMPLETED
S.H. 67 (151st Street S)	US 75A to US 75	4 Lanes	COMPLETED	COMPLETED
US-64/S MEMORIAL	E 151st St S to E 161st Street	4 Lanes	COMPLETED	COMPLETED
71st Street	Lewis to Florence	6 Lanes	COMPLETED	COMPLETED
71st Street	Harvard to Yale	6 Lanes	COMPLETED	COMPLETED
71st Street	US-169 to Garnett	6 Lanes	COMPLETED	COMPLETED
71st Street	Yale to US-169 S	6 Lanes	COMPLETED	COMPLETED
11th Street	129th E Ave to I-44	4 Lanes	COMPLETED	COMPLETED
SECONDARY ARTERIALS				
E 61st Street South (Albany)	161st E Avenue to 177th E Avenue	3 Lanes	COMPLETED	COMPLETED
S GARNETT ROAD	E 61st Street to E 71st Street South	5 Lanes	COMPLETED	COMPLETED
Admiral	Garnett to 145th E Ave	4 Lanes	COMPLETED	COMPLETED
E 91st Street South	Mingo Rd to US-169 S	4 Lanes	COMPLETED	COMPLETED
E 81st Street South	Garnett Rd. to Main Street (Broken Arrow)	3 Lanes	COMPLETED	COMPLETED
S MINGO ROAD	51st Street to 61st Street	4 Lanes	COMPLETED	COMPLETED
MINGO ROAD	61st Street to 71st Street	4 Lanes	COMPLETED	COMPLETED
S MINGO ROAD	91st Street to US-169 S	4 Lanes	COMPLETED	COMPLETED
Sheridan	61st Street to 71st Street	5 Lanes	COMPLETED	COMPLETED
Sheridan	71st Street to 81st Street	5 Lanes	COMPLETED	COMPLETED
129th E Ave	21st Street S to 31st Street S	4 Lanes	COMPLETED	COMPLETED
Garnett Road	41st Street to 51st Street	4 Lanes	COMPLETED	COMPLETED
Garnett Road	I-244 to 21st Street	4 Lanes	COMPLETED	COMPLETED
PARKWAYS				
RIVERSIDE PARKWAY	81st Street to 101st Street	4 Lanes	COMPLETED	COMPLETED

c. ROADWAY INTERSECTION IMPROVEMENT PROJECTS

N-S Street	E-W Street	Description	Completion Date	STATUS
S. Memorial Dr.	93rd Street	Signal Install	COMPLETED	COMPLETED
Riverside Drive	31st Street	Signal Install	COMPLETED	COMPLETED
71st Street S	S. Canton	Signal Install	COMPLETED	COMPLETED
41st Street S	102 E Ave	Signal Install	COMPLETED	COMPLETED
I-44 EB off/on ramp	E 31st St S.	Signal Install	COMPLETED	COMPLETED
S Mingo Rd	E 55th Pl S.	Signal Install	COMPLETED	COMPLETED
S Harvard Av	E 27th Street	Signal Install	COMPLETED	COMPLETED
91st Street S.	S 101st E Av	Signal Install	COMPLETED	COMPLETED
S Mingo Rd	E 66th Street S.	Signal Install	COMPLETED	COMPLETED
Riverside Drive	41st Street	Signal Install	COMPLETED	COMPLETED
51st Street Exit	SH-51 Exit	Signal Install	COMPLETED	COMPLETED
Mingo Road	91st Street	Intersection	COMPLETED	COMPLETED
Union Ave	61st Street	Intersection	COMPLETED	COMPLETED
S. Memorial Dr.	51st Street	Signal Modification	COMPLETED	COMPLETED

D. ADDITIONAL PROJECTS IMPLEMENTED AS SUBSTITUTED ROADWAY IMPROVEMENT PROJECTS

N-S Street	E-W Street	Description	Completion Date	STATUS
108th East Avenue	91st Street	Signal Install	COMPLETED	COMPLETED
Harvard Avenue	21st Street	Signal Modification	COMPLETED	COMPLETED
Tulsa County Fair Grounds Gate 12	Tulsa County Fair Grounds Gate 12	Signal Modification	COMPLETED	COMPLETED
Pittsburg Avenue	21st Street	Signal Modification	COMPLETED	COMPLETED
Yale Avenue	21st Street	Signal Modification	COMPLETED	COMPLETED
Cincinnati Avenue	Pine Avenue	Signal Modification	COMPLETED	COMPLETED
Trenton Avenue	Apache Avenue	Signal Modification	COMPLETED	COMPLETED
Utica Avenue	21st Street	Signal Modification	COMPLETED	COMPLETED
Yale Avenue	31st Street	Signal Modification	COMPLETED	COMPLETED
Garnett Avenue	61st Street	Signal Modification	COMPLETED	COMPLETED
Garnett Avenue	81st Street	Signal Modification	COMPLETED	COMPLETED

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
10 Tulsa, OK							
Transportation Emission Reduction Strategy - roadway expansion and intersection improvement projects	Strategy consists of a cumulative compilation of transportation improvement projects throughout the Tulsa Transportation Management Area.	COMPLETE	Dec. 31, 2005	0.02 TPD	2.62 TPD		
Comments:							