

**Region 3 Plan Summary
Tioga County, Pennsylvania 8-Hour Ozone Area**

Title: Maintenance Plan for the Tioga County 8-hour Ozone Attainment Area

Federal Register Dates: May 8, 2007, 72 FR 26046 (Proposed Rule); July 6, 2007, 72 FR 36892 (Final Rule).

EPA Effective Date: July 6, 2007

State Submittal Date: September 28, 2006; revision submitted on November 14, 2006.

Affected Area: Tioga County

Summary of the Plan– Key Features:

2004 attainment year; projections to 2009 and 2018

The Tioga Area plan shows maintenance of the 8-hour ozone NAAQS by demonstrating that current and future emissions of VOC and NO_x remain at or below the attainment year 2004 emissions levels throughout the Tioga Area through the year 2018.

Monitoring Network: There is currently one monitor measuring ozone in the Tioga Area. Pennsylvania will continue to operate its current air quality monitor in accordance with 40 CFR part 58.

Contingency Plan Triggers:

Contingency measures will be considered if for two consecutive years the fourth highest eight-hour ozone concentrations at the Tioga Area monitor are above 84 ppb. If this trigger point occurs, the Commonwealth will evaluate whether additional local emission control measures should be implemented in order to prevent a violation of the air quality standard.

Contingency measures will be considered in the event that a violation of the 8-hour ozone standard occurs at the Tioga County, Pennsylvania monitor

Contingency Measures:

Contingency measures to be considered for the Tioga Area will include, but not limited to the following:

Non-Regulatory Measures:

Voluntary diesel engine "chip reflash" - installation software to correct the defeat device option on certain heavy duty diesel engines

Diesel retrofit, including replacement, repowering or alternative fuel use, for public or private

- local onroad or offroad fleets
- Idling reduction technology for Class 2 yard locomotives
- Idling reduction technologies or strategies for truck stops, warehouses and other freight-handling facilities
- Accelerated turnover of lawn and garden equipment, especially commercial equipment, including promotion of electric equipment
- Additional promotion of alternative fuel (e.g., biodiesel) for home heating and agricultural use
- Regulatory Measures
 - Additional controls on consumer products
 - Additional control on portable fuel containers

Schedule: The plan lays out a process to have any regulatory contingency measures in effect within 19 months of the trigger. The plan also lays out a process to implement the non-regulatory contingency measures within 12–24 months of the trigger.

Total VOC Emissions for 2004-2018 (TPD)

1. Source Category	2004 VOC emissions	2009 VOC emissions	2018 VOC emissions
Mobile*	3.0	2.2	1.3
Nonroad	1.5	1.36	1.0
Area	2.7	2.4	2.6
Point	0.6	0.5	0.6
Total	8.4	7.1	6.0

* Includes safety margin identified in the motor vehicle emission budgets for transportation conformity.

Total NOx Emissions for 2004-2018 (TPD)

Source Category	2004 NOx emissions	2009 NOx emissions	2018 NOx emissions
Mobile*	4.8	1.3	1.6
Nonroad	1.5	1.3	0.8

Area	0.3	0.3	0.3
Point	2.0	2.1	2.6
Total	8.5	7.1	5.3

*Includes safety margin identified in the motor vehicle emission budgets for transportation conformity.

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