

**NORTHEAST OHIO AREA WIDE COORDINATING AGENCY**

**M E M O R A N D U M**

**TO:** NOACA Air Quality Public Advisory Task Force

**FROM:** Amy M. Wainright, Esq., Air Quality Planner  
Pamela Davis, Senior Environmental Planner

**DATE:** October 27, 2005

**RE:** **Ohio EPA Approximate Target Goal for VOC and NOx Reductions**

Ohio EPA and LADCO have established some estimated air pollution projections for 2009 and 2018.

Ohio EPA is estimating, at this time, that Northeast Ohio's moderate nonattainment area for 8-hour ozone would have to reduce its VOCs and NOx by 25% of the 2009 projections in order to come into attainment. The 25% reduction estimation for 2018 provides a demonstration of the continued benefit of the new federal emission reduction regulations, e.g. controls on utilities and new engine designs for diesel trucks.

Without considering biogenic sources (trees, vegetation), the 2009 and 2018 emissions projections for the 8 counties (Ashtabula, Cuyahoga, Geauga, Lake, Lorain, Medina, Portage, and Summit) appear as follows, in tons per day (TPD):

<b>Nonattainment 2002 Inventory and 2009 &amp; 2018 Projections of VOCs</b>				
<b>Type of Source</b>	<b>2002</b>	<b>2009</b>	<b>2018</b>	<b>2009 25% Reduction</b>
<b>Point (EGU)</b>	no data	0.65	0.74	0.16
<b>Point (Non-EGU)</b>	11.93	11.93	16.19	2.98
<b>Area</b>	111.11	110.68	135.60	27.67
<b>Off-Road</b>	66.69	45.21	56.37	11.30
<b>On-Road</b>	233.34	158.55	70.33	39.64
<b>Total</b>	<b>423.07</b>	<b>327.02</b>	<b>279.23</b>	<b>81.76</b>

<b>Nonattainment 2002 Inventory and 2009 &amp; 2018 Projections of NOx</b>				
<b>Type of Source</b>	<b>2002</b>	<b>2009</b>	<b>2018</b>	<b>2009 25% Reduction</b>
<b>Point (EGU)</b>	no data	44.51	30.47	11.13
<b>Point (Non-EGU)</b>	15.41	15.41	18.10	3.85
<b>Area</b>	12.15	12.36	14.93	3.09
<b>Off-Road</b>	57.09	43.22	35.52	10.81
<b>On-Road</b>	355.58	220.4	112.90	55.10
<b>Total</b>	<b>440.23</b>	<b>335.90</b>	<b>211.92</b>	<b>83.98</b>

These numbers are **approximations** only and are subject to further change. The inventory used by LADCO for these figures is Base J. (Each successive letter represents a further refinement to the inventory.)