



Ozone Early Action Plan

Northern Shenandoah Valley

Early Action Compact Milestone – December 30, 2003

List of Emission Reduction Strategies Still Under Consideration

Northern Shenandoah Valley Ozone Early Action Plan

Winchester – Frederick County

Based on stakeholder consultation and taking into consideration available resources and political constraints, the following control measures under consideration can be reasonably implemented. It is anticipated these measures under consideration will assist Winchester – Frederick County in achieving and/or maintaining the 8-hour ozone standard by 2007.

Measure Under Consideration	Description of Measure	Non-Modeled Estimate of Emission Reductions (Year 2007 tpd)	Proposed Date for Implementation	Area of Implementation
Phase I (To be implemented before 2005)				
Ozone Action Days/Public Awareness	Public Awareness Program School-based Public Awareness Program Education and Promotion Campaign Employers-based Ozone Action Days Program Ozone Action Days for Area Sources Dynamic Message Signs Video Monitor System Deployment Lawn and Garden Equipment Usage Restrictions by Local Government	Combined Measures: 0.80 NOx 1.14 VOC	2004 2004 2004 2004 2003 2004 2004	City of Winchester & Frederick County
Vehicle Miles Traveled Reduction Programs	Enhance/Expand existing Northern Shenandoah Valley Reg. Commission Ridesharing Program Bicycle and Pedestrian Accommodation Promote Green space preservation Promote Mixed Use Development Promote Telecommuting	Combined measures: 0.28 NOx 0.38 VOC	2004 2004 2004 2004	City of Winchester & Frederick County
Open Burning Restrictions	Adopt restrictions that prohibit open burning associated with land clearing and construction activities.	0.002 NOx 0.004 VOC	2004	City of Winchester & Frederick County
Engine Idling Restrictions	Adopt truck and school bus engine idling restrictions	0.15 NOx 0.005 VOC	2005	City of Winchester & Frederick County



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School Bus and Heavy Duty Fleets Retrofit	Retrofit school buses and heavy duty diesel engines	0.08 NOx 0.04 VOC	Phase-in 2005	City of Winchester & Frederick County
Voluntary Industrial Reductions	Implement emissions reductions through P2, EMS or EE agreements	0.04 NOx 0.34 VOC	Phase-in 2004	City of Winchester & Frederick County
Phase II (To be Implemented beyond 2005)				
OTC Portable Fuel Container Rule	Specifies performance standards for portable fuel containers and/or spouts, which reduce emissions from storage, transport, and refueling activities	0.004 VOC	post 2005	City of Winchester & Frederick County
OTC Architectural/Industrial Maintenance Coatings Rule	Requires reformulated coatings to meet lower VOC content limits than the current federal rule	1.14 VOC	post 2005	City of Winchester & Frederick County
OTC Mobile Equipment Repair and Refinishing Rule	Requires lower VOC contents for paints and use of improved transfer efficiency application and cleaning equipment	0.37 VOC	post 2005	City of Winchester & Frederick County
Solvent Cleaning Operations Rule	Establishes hardware and operating requirements for vapor cleaning machines used to clean metal parts. Volatility restrictions for cold cleaning solvents.	0.37 VOC	post 2005	City of Winchester & Frederick County
Truck Stop Electrification	Development of incentives to encourage electrification at truck stops to reduce engine idling	0.15 NOx VOC not estimated	post 2005	City of Winchester & Frederick County