



# Risk and Technology Review

The Risk and Technology Review (RTR) is a combined effort to evaluate both risk and technology as required by the Clean Air Act (CAA) after the application of maximum achievable control technology (MACT) standards. [Section 112\(f\)](#) of the CAA requires EPA to complete a Report to Congress that includes a discussion of methods the EPA would use to evaluate the risks remaining after the application of MACT standards. These are known as residual risks. EPA published the [Residual Risk Report to Congress](#) in March 1999. Section 112(f)(2) directs EPA to conduct risk assessments on each source category subject to MACT standards, and to determine if additional standards are needed to reduce residual risks. Section 112(d)(6) of the CAA requires EPA to review and revise the MACT standards, as necessary, taking into account developments in practices, processes and control technologies.

RTR Phase I consists of the first 8 residual risk standards completed to date (except for the Halogenated Solvents residual risk rule with a promulgation date extension to April 2007). EPA plans to streamline the residual risk standard development process in RTR Phase II by grouping the next MACT source categories requiring residual risk and technology reviews. The methodology for conducting these reviews is described in the [RTR Assessment Plan](#). The Science Advisory Board (SAB) consultation on the RTR Assessment Plan is complete and written comments are available at the [SAB website](#). Below is a list of MACT source categories evaluated under RTR Phase I and those being considered for RTR Phase II and the corresponding EPA contacts. Emissions data and source category summaries for each RTR Phase II Group 2 source category are presented below. EPA is requesting comment on the emissions data through the RTR Phase II Advanced Notice of Proposed Rulemaking (ANPRM). It will be used to assess the residual risk associated with each source category. Click here for [detailed instructions for downloading and updating the emissions data](#). Emissions data for each RTR Phase II Group 2 source category is also presented below. The Group 1 source category information will be summarized in a document that will be released with the upcoming Group 1 Notice of Proposed Rulemaking (NPRM) in Summer 2007.

Date	Description	File
3/26/2007	Fact Sheet:Advance notice of proposed rulemaking (ANPRM):Risk and Technology Review, Phase II, Group 2	
3/29/2007	Advance notice of proposed rulemaking (ANPRM):Risk and Technology Review, Phase II, Group 2 (72FR14734)	

RTR PHASE I PROJECT	PROJECT LEAD	PHONE NUMBER
<a href="#">Coke Ovens</a>	<a href="#">Jeff Telander</a>	919-541-5427
<a href="#">Dry Cleaning</a>	<a href="#">Warren Johnson</a>	919-541-5124
<a href="#">Industrial Cooling Towers</a>	<a href="#">Phil Mulrine</a>	919-541-5289
<a href="#">Hazardous Organic NESHAP (HON)</a>	<a href="#">Randy McDonald</a>	919-541-5402
<a href="#">Gasoline Distribution</a>	<a href="#">Steve Shedd</a>	919-541-5397
<a href="#">Ethylene Oxide Sterilizers</a>	<a href="#">Dave Markwordt</a>	919-541-0837
<a href="#">Magnetic Tape</a>	<a href="#">Lynn Dail</a>	919-541-2363
<a href="#">Halogenated Solvents</a>	<a href="#">Lynn Dail</a>	919-541-2363

<b>RTR PHASE II Group I - will be final by 12/2008</b>	<b>PROJECT LEAD</b>	<b>PHONE NUMBER</b>
Polymers/Resins I-Polysulfide Rubber	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins I-Ethylene-Propylene Rubber	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins I-Butyl Rubber	<a href="#">David Markwordt</a>	919-541-0837
Polymer/Resins I-Neoprene	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins II-Epoxy Resins	<a href="#">Randy McDonald</a>	919-541-5402
Polymers/Resins II-Non-nylon Polyamides	<a href="#">Randy McDonald</a>	919-541-5402
GMACT- Hydrogen Fluoride	<a href="#">Bill Neuffer</a>	919-541-5435
GMACT- Acetal Resins	<a href="#">Dave Markwordt</a>	919-541-0837

<b>RTR PHASE II Group 2</b>	<b>PROJECT LEAD</b>	<b>PHONE NUMBER</b>
Aerospace – proposal this summer	<a href="#">Mohamed Serageldin</a>	919-541-2379
Marine Vessel Loading – proposal this spring	<a href="#">David Markwordt</a>	919-541-0837
Mineral Wool – proposal this spring	<a href="#">Jeff Telander</a>	919-541-5427
Natural Gas Transmission – proposal this summer	<a href="#">Greg Nizich</a>	919-541-3078
Oil & Natural Gas Production – proposal this summer	<a href="#">Greg Nizich</a>	919-541-3078
Petroleum Refineries – final rule by August 2008	<a href="#">Bob Lucas</a>	919-541-0884
Polymers/Resins I-Hypalon Production – proposal this spring	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins I-Epichlorohydrine Elastomers – proposal this spring	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins I-Polybutadiene Rubber – proposal this spring	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins I-Styrene-Butadiene Rubber/Latex – proposal this spring	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins I-Nitrile Butadiene Production – proposal this spring	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins IV-Polystyrene	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins IV-Methyl Methacrylate-Butadiene-Styrene	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins IV-Methyl Methacrylate-Acrylonitrile-Butadiene-Styrene Resins	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins IV-Nitrile Resins	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins IV-Polyethylene Terephthalate	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins IV-Acrylonitrile-Butadiene-Styrene	<a href="#">David Markwordt</a>	919-541-0837
Polymers/Resins IV-V-Styrene Acrylonitrile	<a href="#">David Markwordt</a>	919-541-0837
Pharmaceuticals – proposal this spring	<a href="#">Brenda Shine</a>	919-541-3608
Printing and Publishing – proposal this spring	<a href="#">Dave Salman</a>	919-541-0859
Primary Aluminum	<a href="#">Donnalee Jones</a>	919-541-5251
Ship Building	<a href="#">Mohamed Serageldin</a>	919-541-2379

<b>RTR PHASE II Group 3</b>
<b>RTR only</b>
Acrylic/Modacrylic Fibers
Chrome Electroplating - Decorative
Chrome Electroplating – Hard
Chromic Acid Anodizing
Ferroalloys
Flexible Polyurethane Foam Production
Offsite Waste and Recovery Operations
Phosphate Fertilizer
Phosphoric Acid Production
Polycarbonates Production
Polyether Polyols Production
POTWs
Primary Lead Smelting
Secondary Aluminum
Secondary Lead
Steel Pickling
Wood Furniture
Wool Fiberglass
<b>RTR and Source Sector</b>
Pulp and Paper
<b>Source Sector only</b>
Portland Cement and Hazardous Waste Cement Kilns