

# MACT Program Update

## June 2006



STAPPA/ALAPCO/EPA

Enforcement and Compliance  
Workshop

June 13-14, 2006

Austin, Texas



# Maximum Achievable Control Technology (MACT) Standards

- MACT Standards also known as NESHAPs
  - National Emission Standards for Hazardous Air Pollutants
  - Technology Based Standards
- MACT applies to existing and new sources:
  - Major sources (10 tpy of any HAP; 25 tpy of any combination of HAPs)
  - Some area sources: Drycleaners, Chrome Platers, etc
- MACT cannot be less stringent than average of best performing 12% of existing sources



# MACT Standards

- Approximately 89 MACT Standards promulgated since 1990 (40 CFR Part 63)
- Compliance dates in place for ~ 73 MACT Standards
  - Compliance dates typically 3 years after promulgation for existing sources
- Approximately 16 additional MACT Standards with compliance dates in remainder of 2006 through 2008

<b><u>New MACT Standards 2006-2008</u></b>	<b><u>Subparts</u></b>	<b><u>Comp. Date</u></b>
Coke Ovens: Pushing, Quenching,& Battery Stacks	CCCCC	4/14/2006
Refractory Products Manufacturing	SSSSS	4/17/2006
Hydrochloric Acid Production Fumed Silica Production	NNNNN	4/17/2006
Reinforced Plastic Composites Production	WWWWW	4/21/2006
Asphalt Processing and Asphalt Roofing Manufacturing	LLLLL	5/1/2006
Brick and Clay Products /Clay Ceramics Manufacturing	JJJJJ / KKKK	5/16/2006
Integrated Iron and Steel	FFFFFF	5/20/2006
Semiconductor Manufacturing	BBBBB	5/22/2006
Metal Furniture (surface coating)	RRRR	5/23/2006
Engine Test Cells/Stands	PPPPP	5/27/2006
Wood Building Products (surface coating)	QQQQ	5/28/2006
Fabric Printing, Coating & Dyeing	OOOO	5/29/2006
Site Remediation	GGGGG	10/8/2006
Taconite Iron Ore Processing	RRRRR	10/30/2006
Misc. Organic Chemical Production (MON)	FFFF	11/10/2006
Metal Can (surface coating)	KKKK	11/13/2006
Misc. Coating Manufacturing	HHHH	12/11/2006
Mercury Cell Chlor-Alkali Plants	IIII	12/19/2006
Misc. Metal Parts and Products (surface coating)	MMMM	1/2/2007
Lime Manufacturing	AAAAA	1/5/2007
Organic Liquids Distribution (non-gasoline)	EEEE	2/3/2007
Stationary Combustion Turbines	YYYY	3/5/2007
Plastic Parts (surface coating)	PPPP	4/19/2007
Iron and Steel Foundries	EEEEE	4/22/2007
Auto & Light Duty Truck (surface coating)	IIII	4/26/2007
Reciprocating Internal Combustion Engines (RICE)	ZZZZ	6/15/2007
Industrial, Commercial and Institutional Boilers	DDDDD	9/13/2007
Plywood and Composite Wood Products	DDDD	10/1/2008



# MACT Residual Risk Program and CAA Technology Review Requirements

- Residual Risk for MACT Standards (8 years after promulgation)
  - evaluate residual risk and set “ample margin of safety” rules (Section 112(f), Residual Risk)
- Review and revise technology standards as necessary (8 years after promulgation)
  - (Section 112(d)(6), Technology Review)



# What is required under these regulatory authorities?

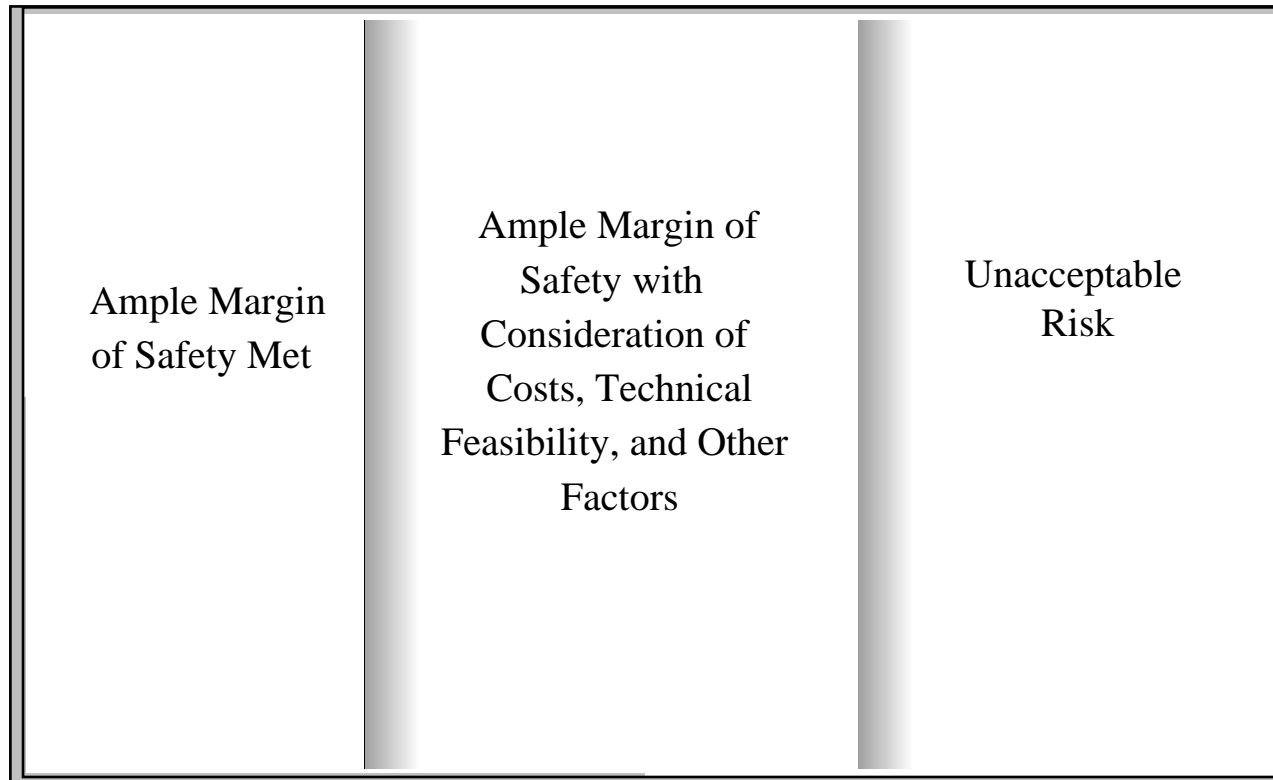
- We must conduct the 112(d)(6) 8 year review of technology standards for major and area sources
- We must conduct the 112(f) residual risk assessment for major sources
- ★ We are not required to conduct residual risk assessments for area sources (Agency discretion)



# What are the requirements for Residual Risk?

- Section 112 (f) requires that EPA assess risks from sources that emit air toxics after technology standards are in place and:
  - 1) Set additional standards if MACT does not protect public health with an ***ample margin of safety***
  - 2) Set additional standards if necessary to prevent adverse environmental effects
  - 3) Not required to do this assessment for area sources subject to GACT standards

# Cancer Decision Framework



1 in a million

100 in a million



Risk







# What are the requirements for 112(d)(6) Technology Review?

- Section 112 (d)(6) requires EPA to review, and revise as necessary (taking into account developments in practices, processes, and control technologies), technology standards no less often than every 8 years
- This requirement applies to major and area sources regulated under section 112(d)
- Does not involves re-analysis of “MACT floors”, but does consider the current state of control technology for the industry



# Residual Risk and Technology Review Project Status

- Coke Ovens – Tightened standard - 4/15/05
- Dry Cleaning – Proposed additional reductions from major and area sources -12/21/05, Final rule to be promulgated by July 13, 2006



# Residual Risk and Technology Review

## Project Status: Dry Cleaning MACT Proposal

- For Major Sources: Existing and new sources must:
  - Use machines with refrigerated condensers and carbon adsorbers
  - Use dry to dry machines, that do not vent to the atmosphere
  - Implement an enhanced leak detection and repair program
    - Use a photoionization detector, flame ionization detector, or infrared analyzer to conduct leak inspection once/month



# Residual Risk and Technology Review

## Project Status: Dry Cleaning Proposal

### For Area Sources:

- Existing sources: Eliminate the use of transfer machines (~ 200 remaining units)
  
- Implement an enhanced LDAR program
  - Use halogenated leak detector to conduct leak inspection once/month
  
- New sources:
  - Use non-vented dry to dry machines with refrigerated condensers and carbon adsorbers
  - Enhanced LDAR



# Residual Risk and Technology Review

## Project Status: Dry Cleaning Proposal

### Co-residential Area Sources:

- 2 options proposed:
  - Option 1 (under 112(f) and 112(d)(6))
    - Eliminate perc emissions from new sources (effective ban on new co-residential sources)
    - Existing sources subject to same requirements as other existing area sources
  - This option would ultimately eliminate risks from these sources over time. No immediate reduction from existing sources



# Residual Risk and Technology Review

## Project Status: Dry Cleaning Proposal

### Co-residential Area Sources:

- Option 2 (under 112(d)(6) only)
  - Standards similar to NYSDEC Part 232. Could include:
    - Existing and new sources use machines with refrigerated condensers and carbon adsorbers
    - Perc equipment housed in vapor barriers
    - Sources must seek annual 3<sup>rd</sup> party inspections
    - Owners/operators must receive training from a certified program.



# Residual Risk and Technology Review

## Project Status

- HON – Additional controls projected to reduce risks by 30-40%, shift 250,000 people below  $10^{-6}$ , cut incidence by 10%, at a cost of ~\$4000/ton VOC reduced
  - Cost per cancer case reduced considered exorbitant by some
  - Result will be a co-proposal; target June 2006



# Residual Risk and Technology Review

## Project Status

### ■ Halogenated Solvent Cleaners

- Risk assessment shows individual cancer risks up to  $10^{-4}$ , incidence moderate
- Additional controls available, variable depending upon specific process, usually result in solvent savings
- Investigating use of facility-specific emission cap as means of tightening standard
  - Allows flexible implementation
  - Does not affect low-risk facilities
- Proposal delayed, targeted for June 2006





# Residual Risk and Technology Review

## Project Status

- Industrial Cooling Towers – baseline risks very low; promulgated no further action (3/31/06)
- Magnetic Tape – baseline risks very low; promulgated no further action (3/31/06)
- EO Sterilizers – risks acceptable, further controls appear not feasible; promulgated no further action (3/31/06)
- Gas Distribution – risks acceptable, further controls appear inefficient and not cost-effective; promulgated no further action (3/31/06)



# MACT Area Source Title V Exemption

- On December 19, 2005, EPA finalized the exemption of five area source categories from Title V permit requirements:
  - Dry Cleaners
  - Degreasers
  - Chrome Electroplaters
  - EO Sterilizers
  - Secondary Aluminum Production Facilities



# Development of Area Source Standards Under Section 112(k)

- Section 112(k) of the CAA requires EPA to:
  - Reduce air toxics from area sources in urban areas
  - Identify HAPs presenting the greatest threat and source categories emitting those HAPs
  - Develop standards for identified source categories



# What are Area Sources?

- Potential to emit less than 10 tpy for a single HAP and less than 25 tpy for combined HAP
- Individual area sources are small emitters
- Represent about 50% of national stationary source emissions
- Many emit air toxic metals which are also fine particulate matter



# Area Source Characteristics

- Source Characteristics:
  - There are numerous facilities (many small businesses)
  - Most sources have not been regulated before
  - There are smaller amounts of emissions per facility
  - Most sources are difficult to locate
    - Most are not included in existing inventories
    - Most are not required to report under SARA Title III
    - Many are not represented by trade associations



# Development of Area Source Standards Under Section 112(k)

- OAQPS identified 30 HAPs and 70 area source categories
- Standards for 15 area source categories are complete; ~ 50 additional area source standards to be developed
- Area source standards can be based on MACT or GACT
- Most of the 50+ new standards expected to be based on GACT



# Area Source Rule Promulgation Schedule

## Area Source Standards CAA 112(k)

- December 15, 2006 - Promulgate 4 categories
- June 15, 2007 - Promulgate 6 categories
- December 15, 2007 - Promulgate 10 categories
- June 15, 2008 - Promulgate 10 categories
- December 15, 2008 - Promulgate 10 categories
- June 15, 2009 - Promulgate 10 categories



# Area Source Rule Promulgation Schedule

- First 4 Rules by December 15, 2006
  - Primary Copper
  - Secondary copper
  - Vinyl chloride and copolymers
  - Primary non-ferrous metals - zinc (Zn), cadmium (Cd), beryllium (Be)





# Area Source Rule Promulgation Schedule

- Candidates for June 15, 2007 Promulgation:
  - Acrylic/Modacrylic Fibers
  - Chemical Manufacturing: Chromium Compounds
  - Flexible Foam Fabrication
  - Flexible Foam Production
  - Carbon Black Production
  - Synthetic Rubber Manufacturing



# “Once In Always In” Policy

- May 16, 1995 Policy on “Potential to Emit for MACT Standards”
  - States that facilities must take restrictions to become an area source prior to first compliance date of MACT
    - EPA considering amending and codifying the Policy
    - Proposal likely in October 2006



# Air Toxics as an EPA Enforcement Priority

- Air Toxics has been an EPA/OECA Enforcement Priority since FY 2000
  - Focus of Priority was initially on compliance assistance and compliance monitoring tool development
  - Tools available for ~ 50 MACTs
    - Include inspection checklists, applicability flowcharts, compliance timelines, templates for enforcement documents



# EPA National Air Toxics Enforcement Priority for 2005-2007

- Air Toxics will continue to be an EPA enforcement priority for FY 2006-2007
- Focus is on:
  - Compliance evaluations and enforcement
  - Quantitative goals and measures



# EPA National Air Toxics Enforcement – Highlights for FY 2005

## **Vital Statistics for Targeted MACTS**

- Pounds of HAP reduced: 332,000
- Federal evaluations conducted: 265
- Administrative Compliance Orders: 7
- Judicial referrals: 9
- Value of Administrative Penalties: \$451,526
- Value of Administrative Injunctive Relief:  
\$163,275



# Air Toxics Enforcement Priority Goals for FY 2006-2007

- Achieve 750,000 lbs of HAP reductions by the end of FY 2007
- Also:
  - each region will investigate at least 3 MACT source categories (at least 2 MACT source categories each year)
  - In total, regions will investigate at least 20 different MACTs
  - Regions and OECA will undertake one national MACT initiative

<u>Region</u>	<u>MACT Selections – FY 2006</u>
Region 1	Gas Distribution, Paper and Other Web Coating, Pharmaceutical, Degreasing, Boat Manufacturing
Region 2	Secondary Aluminum, Municipal Solid Waste Landfills, Chemical Plants (F, G, H, EEE)
Region 3	Secondary Aluminum, Oil & Gas, Offsite Waste, Degreasing
Region 4	Secondary Aluminum, Pharmaceutical, Phosphoric Acid, Pesticides
Region 5	Secondary Aluminum, Pharmaceuticals, HON, Polymers and Resins III and IV
Region 6	Oil and Gas Production Natural Gas Transmission & Storage, Ethylene/Carbon Black
Region 7	Boat Manufacturing, Portland Cement, Pharmaceuticals
Region 8	Oil and Gas Production, Secondary Aluminum, Reciprocating Internal Combustion Engines
Region 9	Boat Manufacturing, Leather Finishing, Secondary Aluminum, Lime Manufacturing
Region 10	Phosphoric Acid, Phosphate Fertilizer



# Air Toxics Enforcement Priority for FY 2006-2007: LDAR Initiative

- National Initiative: In FY 2006 – 2007 EPA will conduct a national initiative focusing on MACT Equipment Leak requirements
  - EPA experience with MACT enforcement in FY 2004 - 2005 showed significant non-compliance with MACT LDAR requirements
  - For LDAR initiative, EPA regions will have the flexibility to select among 22 MACT standards with equipment leak requirements



## MACT Equipment Leak Standards

### MACT

H - HON

G - Org. HAPs from SOCM I Vents (63.148)

J - Polyvinyl Chloride & Copolymers

R - Gasoline Distribution (63.424)

U - Group I Polymers and Resins (63.502)

Y - Marine Vessel Loading (63.563)

CC - Petroleum Refineries (63.648)

DD - Offsite Waste (63.691)

HH - Oil and Gas (63.769)

YY - Generic MACT Standards (63.1103)

GGG - Pharmaceuticals Production (63.1255)

HHH - Natural Gas Transmission & Storage (63.1281-2)

JJJ - Polymers and Resins (63.1331)

MMM - Pesticide Active Ingredient Rule (63.1363)

OOO - Amino/Phenolic Resins (63.1410)

PPP - Polyether Polyols (63.1434)

EEEE - Organic Liquids Dist. (Table 10)

FFFF - Misc. Organic NESHAP (63.2480 & Table 6)

GGGGG - Site Remediation (63.7787 & 63.7920-2)

HHHHH - Misc Coatings Manufacturing (63.8015 & Tbl 3)

IIIII - Mercury Cell Chlor Alkali Plants (63.8192 & Tbl 1-3 & 6)

NNNNN - Hydrochloric Acid Production



# Air Toxics Enforcement Priority for FY 2006-2007: LDAR Initiative

- Types of violations identified:
  - Higher leak rates than company reported; facilities not finding and fixing leaks
  - Finding open ended lines w/o cap or plug; if cap/plug in place, often leaking
  - Improper sampling system: no closed loop, closed purge or closed vent system; must have one of the above
  - Facilities not repairing leaks in time required by MACTs; first attempt in 5 days, repair in 15 days
  - Facilities not identifying all of their components



# MACT Prioritization Tool

- To help prioritize and target MACT source categories and sources, EPA developed the MACT Prioritization Tool :

**[www.epa.gov/idea/mact](http://www.epa.gov/idea/mact)**

The tool will provide on a National, Regional or State level:

- Prioritized list of MACT source categories
- List of MACT sources
- Detailed facility reports



# MACT Prioritization Tool – Risk Data

- EPA recently added risk data to MACT Tool
  - Regions and States are now able to prioritize MACT source categories by risk using TRI data from EPA’s Risk Screening Environmental Indicators (RSEI) Model



# MACT Prioritization Tool – Risk Data

- The results page provides the following new columns of information (each is defined in the Tools Dictionary):
  - Total Risk Score
  - Toxic Weighted Pound Release
  - Risk Index Rank
- Additional risk related output measures are available under the “Custom Outputs” option on the query page

- O E C A**  
Office of Enforcement and Compliance Assurance
- OTIS Home
- Compliance Report / ID Search
- IDEA Web Query  
CAA CWA RCRA  
Multimedia
- Enviromapper for Compliance Analysis
- ICIS EZ Search
- OTIS Management Reports+
- State Review Framework Metrics
- Facility ID Tracker
- SDWA Search

## MACT Prioritization Tool

### Source Category Search

[About this Tool](#)

#### Media Selection

- Air
  Multimedia

#### Geographic Criteria

- National  
 Region or State: Region 6

#### Ranking Weights

- Use Default Weighting: all five measures weighted equally  
 Set Custom Weights:

Measure	Weight (%)
<b>Number of Facilities</b>	<input style="width: 50px;" type="text" value="100"/>
<b>Inspection Index:</b> composite ranking based on	
a) Percent of facilities inspected	<input style="width: 50px;" type="text" value="0"/>
b) Average inspections per facility	<input style="width: 50px;" type="text" value="0"/>
<b>Violation Index:</b> composite ranking based on	
a) Quarters in noncompliance of last 8	<input style="width: 50px;" type="text" value="0"/>
b) Current SNC	<input style="width: 50px;" type="text" value="0"/>
<b>Enforcement Index:</b> composite ranking based on	
a) Percent of facilities with actions	<input style="width: 50px;" type="text" value="0"/>
b) Average number of actions per facility	<input style="width: 50px;" type="text" value="0"/>
c) Average penalty assessed per action	<input style="width: 50px;" type="text" value="0"/>
<b>Risk Index:</b>	
a) If the Air media is selected, the Risk Index gives equal weight to <u>RSEI Air Risk Score</u> and <u>RSEI Average Air Risk Score</u> .	<input style="width: 50px;" type="text" value="0"/>
b) If the Multimedia media is selected, the Risk Index gives equal weight to <u>RSEI Multimedia Risk Score</u> and <u>RSEI Average Total Risk Score</u> .	<input style="width: 50px;" type="text" value="0"/>
<b>TOTAL</b> (must equal 100)	<input style="width: 50px;" type="text" value="100"/>

#### Output Measures

- Default  
 Custom Output



# MACT Prioritization Tool – Facility Level Search Feature

- Easy access to list of facilities for any MACT source category by Region or State

composite ranking based on

- a) Percent of facilities with actions
- b) Average number of actions per facility
- c) Average penalty assessed per action

### Risk Index:

- a) If the Air media is selected, the Risk Index gives equal weight to [RSEI Air Risk Score](#) and [RSEI Average Air Risk Score](#).
- b) If the Multimedia media is selected, the Risk Index gives equal weight to [RSEI Multimedia Risk Score](#) and [RSEI Average Total Risk Score](#).

**TOTAL** (must equal 100)

### Output Measures

- Default**
- Custom Output**

### Facility Level Search

**Media:**

**Geographic Location:**

**Source Category:**

**Facility Universe:**

**Search Logic**





# MACT Prioritization Tool -- Air Results

## Search Criteria

Geographic Criteria: Region 6

[Return to Query](#)

Measure Weights: Number of Facilities: 20% Inspection Index: 20% Violations Index: 20% Actions Index: 20% Risk Index: 20%

<a href="#">MACT Source Category</a> ▼▲	<a href="#">CFR/Subpart</a> ▼▲	<a href="#">Weighted Rank</a> ▼▲	<a href="#">Number of Facilities</a> ▼▲	<a href="#">Inspection Index</a> ▼▲	<a href="#">Enforcement Actions Index</a> ▼▲	<a href="#">Violations Index</a> ▼▲	<a href="#">Total Air Risk Score</a> ▼▲	<a href="#">Tox Wt Pound Air Release</a> ▼▲	<a href="#">Air Risk Index</a> ▼▲	<a href="#">Average Air Risk Score</a> ▼▲
Organic Liquids Distribution <a href="#">See SICs</a> View AGG Universe ▼	/EEEE	1	522	31	25	5	1,355,354	25,099,546,382	4	3,101.5
Misc. Organic Chemical production and Processes (MON) <a href="#">See SICs</a> View AGG Universe ▼	/FFFF	2	322	32	19	6	738,372	15,557,817,358	8	1,737.3
Industrial, Commercial, and Institutional Boilers and Process Heaters <a href="#">See SICs</a> View AGG Universe ▼	/DDDDD	3	4,496	24	42	1	2,598,201	62,186,377,647	7	1,828.4
Synthetic Organic Chemical Manufacturing (HON) <a href="#">See SICs</a> View AGG Universe ▼	63.100 /F	4	145	33	13	13	579,761	12,232,562,588	6	3,410.4
Gasoline Distribution (Stage I) <a href="#">See SICs</a> View AGG Universe ▼	63.420 /R	4	222	32	24	11	718,430	12,143,804,650	3	5,321.7
Generic MACT <a href="#">See SICs</a> View AGG Universe ▼	63.1040 /YY	5	266	44	16	8	754,509	15,233,389,516	6	2,523.4
Halogenated Solvent Cleaners <a href="#">See SICs</a> View AGG Universe ▼	63.460 /T	5	467	27	27	9	590,495	11,087,635,385	13	1,237.9





HELP

# Facility Name Search Results

197 Facilities Returned

[Return to Query](#)

Entries in gray text denote records that are not federally required to be reported to EPA. These data may not be complete.

Facility Information <i>Select Name to Read Report</i>	Program ID#	Days Since Last Inspection	Qtrs in Non Compliance (3 yrs)	Current Significant Violations	Informal Enforcement Actions/NOVs (5 yrs)	Formal Enforcement Actions (5 yrs)	Penalties (5 yrs)	TRI Chemical Release (lbs)	Percent Minority (3 mile radius)	Population Density (pop/mi <sup>2</sup> ) (3 mile radius)
<a href="#">A E STALEY MANUFACTURING COMPANY</a> 610 S. 28TH ST. VAN BUREN, AR 72956 FRS ID: 110000463571	AFS: 0503300077	271	1						19%	626
	RCR: ARD054575741	never								
	TRI: 72956STLYM610SD	n/a					12,062			
<a href="#">ADVANCED AROMATICS L P</a> 5501 BAKER RD. BAYTOWN, TX 77522 FRS ID: 110000463070	AFS: 4820100290	1691	12						55%	954
	PCS: TX0059285	134	6		1					
	RCR: TXD072205578	785				1	6,000			
	TRI: 77520DVNCD5501B	n/a					5,714			
<a href="#">AIR PRODUCTS &amp; CHEMICALS INCORPORATED</a> 14700 INTRACOASTAL DRIVE NEW ORLEANS, LA 70129 FRS ID: 110000449113	AFS: 2207100016	338	6			2	3,560		93%	498
	AFS: 2207180016	1347								
	PCS: LAR05N094	520								
	PCS: LA0003280	520	9		2	1				
	RCR: LAD041222365	3725								
	RCR: LAD980873145	224								
	TRI: 70129RPRDC14700	n/a						125,809		
<a href="#">ALBEMARLE CORPORATION</a> 2270 HIGHWAY 79 SOUTH MAGNOLIA, AR 71753 FRS ID: 110000743508	AFS: 0502700028	432				1			41%	14
	ICI: <a href="#">06-2003-3310</a>	n/a				1	10,500			
	PCS: AR0038857	839	12	D		1	2,000			
	RCR: ARD052528809	664	1							
	TRI: 71753THYLCROUTE	n/a						483,860		
<a href="#">ALBUQUERQUE REFINED PRODUCTS TERMINAL</a> 6348 STATE ROAD 303 ALBUQUERQUE, NM 87105 FRS ID: 110000472417	AFS: 3500100030	205	12	F					75%	256
	PCS: NM0030597	never								
	RCR: NMD986684207	1514								
	TRI: 87110LBQRQ6348S	n/a						13,071		
<a href="#">ALON USA BIG SPRING REFINERY</a> I-20 @ REFINERY ROAD BIG SPRING, TX 79721 FRS ID: 110013314323	AFS: 4822700001	1107							29%	222
	ICI: <a href="#">HQ-2000-0065</a>	n/a				1	10,000			
	PCS: TX0104515	479	9							
	RCR: TXD008013468	960	12							



# Detailed Facility Report

Report Error Data Dictionary

For Public Release - Unrestricted Dissemination Report Generated on 03/24/2006  
US Environmental Protection Agency - Office of Enforcement and Compliance Assurance

## Facility Permits and Identifiers

Data Dictionary

Statute	System	Source ID	Facility Name	Street Address	City	State	Zip
	FRS	110000463070	ADVANCED AROMATICS L P	5501 BAKER RD.	BAYTOWN	TX	77522
CAA	AFS	4820100290	ADVANCED AROMATICS, L.P.	5501 BAKER ROAD	BAYTOWN	TX	77520
CWA	PCS	<a href="#">TX0059285</a>	ADVANCED AROMATICS, L.P. WWTP	5501 BAKER ROADHARRIS COUNTY	BAYTOWN	TX	77521
RCRA	RCR	TXD072205578	ADVANCED AROMATICS LP	5501 BAKER RD	BAYTOWN	TX	77520
EP313	TRI	<a href="#">77520DVNCD5501B</a>	ADVANCED AROMATICS L.P.	5501 BAKER RD	BAYTOWN	TX	77522

## Facility Characteristics

Data Dictionary

Statute	Source ID	Facility Status	Permit Expiration Date	Lat/Long	Indian Country?	SIC Codes	NAICS Codes
	110000463070			LRT lat: 29.7630 LRT long: -95.0211	NA		
CAA	4820100290	Operating, Major (Fed. Rep.)			NA	2869	
CWA	TX0059285	Minor Active	08/2008	lat: 29.7631 long: -95.0211	No	2869	
RCRA	TXD072205578	LQG			No	2819 2992	325199
EP313	77520DVNCD5501B			lat: 29.7542 long: -95.0167	NA	2869	

If the CWA permit is past its expiration date, this normally means that the permitting authority has not yet issued a new permit. In these situations, the expired permit is normally administratively extended and kept in effect until the new permit is issued.

## Inspection and Enforcement Summary Data

Data Dictionary

Statute	Source ID	RECAP Insp. Last 05 Yrs	Date of Last Inspection	Formal Enf Act Last 05 Yrs	Penalties Last 05 Yrs
CAA	4820100290	1	06/26/2001	0	\$00
CWA	TX0059285	3	09/29/2005	0	\$00
RCRA	TXD072205578	2	12/17/2003	1	\$6,000

## Inspection History (05 years)

Data Dictionary

Statute	Source ID	Inspection Type	Lead Agency	Date
CAA	4820100290	STATE CONDUCTED FCE/ON-SITE	State	06/26/2001
CAA	4820100290	STATE PCE/OFF-SITE	State	03/30/2004
CWA	TX0059285	COMPLIANCE EVAL (NON-SAMPLING)	State	09/13/2001
CWA	TX0059285	COMPLIANCE EVAL (NON-SAMPLING)	State	09/02/2003
CWA	TX0059285	COMPLIANCE EVAL (NON-SAMPLING)	State	09/29/2005



# MACT Prioritization Tool - What's Next?

- In FY 2006-2007, mapping feature will be added using Google Maps
  - Users will be able to map location of facilities or groups of facilities



# Where to Find MACT Information

- One stop shopping for MACT information and tools:  
**[www.epa.gov/ttn/atw/index.html](http://www.epa.gov/ttn/atw/index.html)**
- Tools available for ~ 50 MACT standards
  - Including ~15 Inspection Checklists



# Technology Transfer Network Air Toxics Website

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- Rules & Implementation
- National-Scale Air Toxics Assessment
- Urban, Great Waters, Regional Programs
- Community Assessment
- Education & Outreach
- About Air Toxics
- Pollutants & Sources
- State, Local, Tribal Resources
- Publications
- Contacts
- Technical Resources
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- TTN Home

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 **Technical Resources**  
 **State, Local & Tribal Programs**  
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## Rules and Implementation

The Clean Air Act requires EPA to regulate emissions of [toxic air pollutants](#) from a published list of industrial sources referred to as "source categories." As required under the Act, EPA has developed a [list of source categories](#) that must meet control technology requirements for these toxic air pollutants. The EPA is required to develop regulations (also known as rules or standards) for all industries that emit one or more of the pollutants in significant quantities. EPA has developed implementation tools (eg. checklists, brochures) to help comply with the standards.

- [National Emission Standards for Hazardous Air Pollutants](#)
- [EPA Air Toxics Implementation Tools - What's Available](#)

Implementation/Compliance Assistance Tools - You will find a list of rules (and tools and direct links) for the Maximum Achievable Control Technology Standards (MACTs) and other air toxics rules where EPA has developed at least one tool to help you understand how to comply/implement the rule.

### Rule Information

- The status tables below list of EPA's Air Toxics Regulations [also known as national emission standards for hazardous air pollutants (NESHAP) or maximum achievable control technology (MACT) standards.]
  - [Promulgated National Emission Standards for Hazardous Air Pollutants since 1990](#)
  - [10-Yr MACT Promulgation Dates -- Tentative](#)
- These links provide information on regulations in addition to air toxics standards that are required for the listed industries
  - [Coatings Coordinated Rule Development \(CCCR\)](#)

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## National Emission Standards for Hazardous Air Pollutants

last updated: 1/31/05

(Alphabetical Order)

NESHAP (MACT) STANDARD Source Categories Affected	CFR Sub Parts	Final Federal Register Date & Citation	Compliance Date	Project Lead	Compliance Lead
<a href="#">Aerospace</a>	GG	09/01/95 (60FR45948)	09/01/98	Bob Rosensteel 919-541-5608 <a href="mailto:rosensteel.bob@epa.gov">rosensteel.bob@epa.gov</a>	Len Lazarus 202-564-6369 <a href="mailto:lazarus.leonard@epa.gov">lazarus.leonard@epa.gov</a>
<a href="#">Asbestos</a>	M	CFR 61.140		Susan Fairchild 919-541-5167 <a href="mailto:fairchild.susan@epa.gov">fairchild.susan@epa.gov</a>	Everett Bishop 202-564-7032 <a href="mailto:bishop.everett@epa.gov">bishop.everett@epa.gov</a>
<a href="#">Asphalt Processing and Asphalt Roofing Manufacturing</a>	LLLLL	04/29/03 (68 FR 22975)	5/1/06	Rick Colyer 919-541-5262 <a href="mailto:colyer.rick@epa.gov">colyer.rick@epa.gov</a>	Gregory Fried 202-564-7016 <a href="mailto:fried.gregory@epa.gov">fried.gregory@epa.gov</a>
<a href="#">Auto &amp; Light Duty Truck*</a> (surface coating)	IIII	04/26/04 (69FR22601)	04/26/07	Dave Salman 919-541-0859 <a href="mailto:salman.dave@epa.gov">salman.dave@epa.gov</a>	Len Lazarus 202-564-6369 <a href="mailto:lazarus.leonard@epa.gov">lazarus.leonard@epa.gov</a>
<a href="#">Benzene Waste Operations*</a>	FF	12/04/03 (68FR67931)	12/04/06	Bob Lucas 919-541-0884 <a href="mailto:lucas.bob@epa.gov">lucas.bob@epa.gov</a>	Marcia Mia 202-564-7042 <a href="mailto:mia.marcia@epa.gov">mia.marcia@epa.gov</a>
<a href="#">Boat Manufacturing</a>	VVVV	8/22/01 (66FR44217)	8/22/04	Mark Morris 919-541-5416 <a href="mailto:morris.mark@epa.gov">morris.mark@epa.gov</a>	Len Lazarus 202-564-6369 <a href="mailto:lazarus.leonard@epa.gov">lazarus.leonard@epa.gov</a>
<a href="#">Brick and Structural Clay Products Manufacturing</a>	JJJJ	05/16/03 (68FR26689)	5/16/06	Mary Johnson 919-541-5025 <a href="mailto:johnson.mary@epa.gov">johnson.mary@epa.gov</a>	Gregory Fried 202-564-7016 <a href="mailto:fried.gregory@epa.gov">fried.gregory@epa.gov</a>
<a href="#">Glass and Glass Products Manufacturing</a>	KKKKK				



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