



STATE OF NEW JERSEY  
DEPARTMENT OF ENVIRONMENTAL PROTECTION

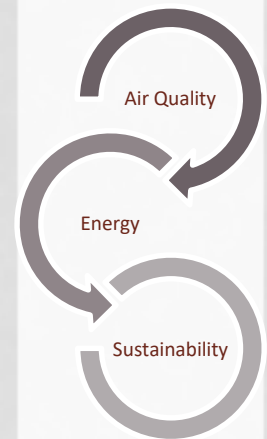


# DIVISION OF AIR QUALITY

AIR QUALITY, ENERGY, AND SUSTAINABILITY

# STATE OF THE ART

INDUSTRIAL STAKEHOLDERS GROUP  
MARCH 3, 2017



Presented by: Sunila Agrawal, Bureau of Stationary Sources

# STATE OF THE ART

- Air Pollution Control Act directed DEP to publish technical manuals to be used by permit applicants for demonstrating advances in the art of air pollution control, or “State-of-the-Art” (SOTA)
  - Required to be updated periodically to ensure the State of the Art performance limits are the best available
- Before SOTA manuals, case-by-case of all permits
- Current effort part of DEP Transformation process

	SOTA TITLE	LAST UPDATE	CURRENT EFFORT
1	VOC Storage Tanks	Withdrawn Jun 2009	No action
2	Transfer Operations	Jul 1997	To be revised
3	Petroleum Refineries (40 CFR Part 63 Subpart UUU and CC)	Jul 1997	To be withdrawn
4	Asphalt Plants	Jun 2012	Still current (effective date)
5	Chemical/Pharmaceutical Industries	Jul 1997	To be revised
6	Surface Cleaners/Degreasers (40 CFR Part 63 Subpart T)	Jul 1997	To be withdrawn
7	Surface Coating Operations	Jul 1997	To be revised
8	Ethylene Oxide Sterilizers	Reviewed 2007	Still current (effective date)
9	Municipal Waste Water Treatment	Jul 1997	Still current (effective date)
10	Site Remediation	Jul 1997	To be withdrawn
11	Bakery Ovens	Reviewed 2007	Still current (effective date)
12	Boilers	Revised Feb 2004	To be revised
13	Internal Combustion Engines	Revised May 2003	To be revised
14	Stationary Gas Turbines	Revised Dec 2004	To be revised
15	Glass Industry	Withdrawn Jun 2009	No action
16	Paint, Ink and Adhesive Industries	July 1997	Still current (effective date)
17	Graphic Arts Industry	July 1997	To be revised
	Landfill		New

# NO ACTION

- **Storage Tanks** withdrawn JUNE 1, 2009
- **Glass Plants** withdrawn JUNE 1, 2009

# RECOMMEND TO BE WITHDRAWN

- **Refineries**

- (New MACT rules at 40 CFR Part 63 Subpart UUU and 40 CFR Part 63 Subpart CC are/will be incorporated in two remaining refineries Title V Permits)

- **Surface Cleaners/Degreasers:**

- SOTA for cleaning machines using VOC or HAP greater than 5% by weight are required to comply with MACT Standards at 40 CFR Part 63, subpart T
- RACT rules at Subchapter N.J.A.C 7:27-16.6 dated June 2004 are more stringent than 40 CFR Part 63.464 for cleaning machines with a solvent/air interface and are equivalent to SOTA for these sources.

- **Site Remediation**

# RECOMMEND TO UPDATE EFFECTIVE DATE

- **Asphalt Plants**
- **Ethylene Oxide Sterilizers**
- **Municipal Waste Water Treatment**
- **Bakery Ovens**
- **Paint, Ink, and Adhesive Manufacturing Industries**

# RECOMMEND TO REVISE

- **Transfer Operation**
- **Pharmaceutical/Chemical Manufacturing**
- **Surface Coaters and Spray Booths**
- **Boilers**
- **Engines**
- **Turbines**
- **Graphic Arts Industry**
- **Landfill (new)**

# TWO SEPARATE OPTIONS

- Withdraw & still current (update effective date)
  - Public process (Spring 2017)
  - Final (Summer 2017)
- To be revised
  - Internal review and draft (Summer 2017)
  - Workgroup review (Fall 2017)
  - Public process (Winter 2017)
  - Final (Spring 2018)



# SOTA WORKGROUP

- Do you agree with the recommendations?
- Request volunteers to review and comment on draft SOTA revisions
- Opportunity to comment during public comment period (noticed in New Jersey Register)