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
• 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
<table>
<thead>
<tr>
<th>SOTA TITLE</th>
<th>LAST UPDATE</th>
<th>CURRENT EFFORT</th>
</tr>
</thead>
<tbody>
<tr>
<td>VOC Storage Tanks</td>
<td>Withdrawn June 2009</td>
<td>No action</td>
</tr>
<tr>
<td>Transfer Operations</td>
<td>July 1997</td>
<td>To be revised</td>
</tr>
<tr>
<td>Petroleum Refineries (40 CFR Part 63 Subpart UUU and CC)</td>
<td>July 1997</td>
<td>To be withdrawn</td>
</tr>
<tr>
<td>Asphalt Plants</td>
<td>June 2012</td>
<td>Still current (effective date)</td>
</tr>
<tr>
<td>Chemical/Pharmaceutical Industries</td>
<td>July 1997</td>
<td>To be revised</td>
</tr>
<tr>
<td>Surface Cleaners/Degreasers (40 CFR Part 63 Subpart T)</td>
<td>July 1997</td>
<td>To be withdrawn</td>
</tr>
<tr>
<td>Surface Coating Operations</td>
<td>July 1997</td>
<td>To be revised</td>
</tr>
<tr>
<td>Ethylene Oxide Sterilizers</td>
<td>Reviewed 2007</td>
<td>Still current (effective date)</td>
</tr>
<tr>
<td>Municipal Waste Water Treatment</td>
<td>July 1997</td>
<td>Still current (effective date)</td>
</tr>
<tr>
<td>Site Remediation</td>
<td>July 1997</td>
<td>To be withdrawn</td>
</tr>
<tr>
<td>Bakery Ovens</td>
<td>Reviewed 2007</td>
<td>Still current (effective date)</td>
</tr>
<tr>
<td>Boilers</td>
<td>Revised Feb 2004</td>
<td>To be revised</td>
</tr>
<tr>
<td>Internal Combustion Engines</td>
<td>Revised May 2003</td>
<td>To be revised</td>
</tr>
<tr>
<td>Stationary Gas Turbines</td>
<td>Revised Dec 2004</td>
<td>To be revised</td>
</tr>
<tr>
<td>Glass Industry</td>
<td>Withdrawn June 2009</td>
<td>No action</td>
</tr>
<tr>
<td>Paint, Ink and Adhesive Industries</td>
<td>July 1997</td>
<td>Still current (effective date)</td>
</tr>
<tr>
<td>Graphic Arts Industry</td>
<td>July 1997</td>
<td>To be revised</td>
</tr>
<tr>
<td>Landfill</td>
<td></td>
<td>New</td>
</tr>
</tbody>
</table>
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- **Storage Tanks** withdrawn *JUNE 1, 2009*

- **Glass Plants** withdrawn *JUNE 1, 2009*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)