Public Workshop

Draft Amendments to Rule 2280 (Portable Equipment Registration)

October 24, 2018
webcast@valleyair.org
Disclaimer

- Proposed amendments discussed today only apply to portable engines and equipment registered with the District under Rule 2280.
- Nothing discussed today applies to portable engines or equipment registered with the state under the California Air Resources Board Portable Equipment Registration Program.
- Nothing discussed today changes any applicable requirements for portable diesel engines under the state Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines (ATCM).
Current Rule 2280

- Last Amended 5/16/1996
- Voluntary streamlined registration process for portable units in lieu of traditional stationary source permitting
- Applies to portable emission units used in conjunction with designated source categories
- Incorporates operating requirements for various source categories
- Prevents severe short-term air quality impacts and public nuisance by restricting their proximity to schools and setting daily and annual emission limits
Purpose of Proposed Amendments

• Replace outdated emission requirements for diesel engines which have been superseded by the portable Airborne Toxic Control Measure adopted by the California Air Resources Board
• Allow the District to issue registrations for:
  – Air curtain burn boxes, a cleaner alternative to open burning
  – Internal combustion engines used to power air curtain burn boxes
• Incorporate operating requirements for air curtain burn boxes
Portable Diesel-Fired Engines

- **No new requirements** – clarify engines are required to meet existing diesel PM and diesel fuel requirements set forth in CARB’s ATCM
- Removed antiquated source category requirements for engine timing retardation and NOx emission limits
- Removed specific requirements to equip engines with a turbocharger and aftercooler
Portable Air Curtain Burn Boxes

• Source category requirements incorporate federal New Source Performance Standard requirements for air curtain burn boxes and applicable local prohibitory rules
• Approved materials for portable air curtain burn boxes:
  – Only District authorized agricultural materials, forest management materials, or hazard reduction materials may be burned
• Opacity limits and testing requirements (EPA Method 9)
• Criteria pollutant emission limitations
• Best operating practices
• Combustion engine powering unit has to meet most stringent emissions standard in effect at time of registration application
**Best Operating Practices**

- Use propane torch, drip torch, or flare to ignite the material inside the burn box. No accelerants (e.g. gasoline, diesel fuel, kerosene, turpentine, etc.) may be used.
- Materials shall be loaded into the burn box such that they do not protrude above the air curtain.
- The air curtain burn box shall be attended at all times while materials are being burned or flames are visible inside the burn box.
- Airflow shall be maintained until all material within the burn box has been reduced to coals, and flames are no longer visible.
- Ash removed from the firebox shall be handled, stored, and disposed of in a manner minimizing entrainment into the atmosphere.
- Operated according to manufacturer's specifications and in a manner to minimize emissions of air contaminants into the atmosphere.
Next Steps...

10/24: Public Workshop

11/7: End of workshop comment period

11/20: Publication of proposed rule package to District web page

12/20/18: Governing Board Public Hearing
Email Notification Lists

http://www.valleyair.org/lists/list.htm
Comment Period

Please submit comments by November 7, 2018 at 5PM

Contact: Jason Lawler
Email: jason.lawler@valleyair.org
By Mail: San Joaquin Valley APCD
1990 E. Gettysburg Avenue
Fresno, CA 93726
Phone: (559) 230-5994
Comments?

webcast@valleyair.org