PERP Requirements

Richard Lao
Air Quality Inspector II
PERP
Portable Equipment Registration Program
Overview Training
10/13/11
Outline

• History
• What is PERP?
• PERP Applicability
• Requirements
History

• Portable engines >50 BHP have been subject to AQMD permit requirements since 1988

• 1996/97 – CARB Adopted PERP and AQMD Amended Rule 219
  – Portable engines with valid statewide PERP registration are exempt from AQMD permit
What is PERP?

Voluntary alternative to District Permits for qualifying portable equipment (Rule 203 (a))

- PERP Registration
  - Valid statewide
  - AQMD Rules & PERP Regulation (CCR)

- AQMD Permit
  - Valid only within AQMD boundaries
  - AQMD Rules

If the equipment has both an AQMD permit and a PERP registration, the inspector will enforce the AQMD permit conditions when the equipment operates within AQMD’s jurisdiction
Portable Equipment

- Capable of being moved (wheels, skid...)
- Does not reside at a location for more than 12 consecutive months
- Is not moved solely for the purpose of re-setting the residency clock
PERP Applicability – Portable Engines

• Internal combustion engines (ICE) rated >50 brake horsepower (bhp), providing power for:
  – generators, wood-chippers, concrete pumps, drill rigs, rock crushers, welding machines, cranes, etc.
PERP Applicability – Equipment Units

- Sources of particulate matter (PM10), including:
  - abrasive blasting, rock crushing and screening, concrete batch plants, pavement grinding, conveyors, etc.
Equipment NOT Eligible for PERP – AQMD Permits Required

- Equipment not meeting the definition of portable (>12 month residence)

- Equipment units that are part of a stationary source permitted by a district
Equipment NOT Eligible for PERP – AQMD Permits Required (continued)

- Generators used to provide primary or supplemental power to a stationary source, except for:
  - unforeseen interruptions of electrical power
  - maintenance and repair operations
  - electrical upgrades - not to exceed 60 days
Portable Equipment - Exemptions

- Mobile sources
  - Engines that are used to propel mobile equipment
  - Engines that serve a dual purpose of propelling mobile equipment and powering equipment mounted on it
Dual-purpose engine is exempt

Crusher is not exempt
Portable Equipment Registration Program

It's Your Choice!

Cleaning the air that we breathe...™

South Coast Air Quality Management District
21865 Copley Drive
Diamond Bar, CA 91765-4182
# Diesel Tier Chart

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<tr>
<td>Maximum Power (BHP)</td>
<td>51-74</td>
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<td>100-174</td>
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<td>300-599</td>
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- **Tier 0**
- **Tier 1**
- **Tier 2**
- **Tier 3**
- **Interim Tier 4**
- **Tier 4**

[Image of diesel engines]
PERP Requirements:

- Inspection
- CARB placard
- Registration certificate including operating conditions
- Records
Statewide Portable Equipment Registration

Registration No:

Legal Owner or Operator:

Mailing Address:

Engine Description:
Certified non-road portable internal combustion engine, compression ignition, Isuzu, model 4HK1N, Serial No: 459934, (Unit Number: FR926), rated at 170 bhp and diesel fueled.

U.S. EPA Engine Family Name: 9S2XL05 2JXB

Conditions: see attached

Home District: South Coast Air Quality Management District

Engine Inspection Discount: No inspection discount claimed

Expiration Date: September 30, 2013

Jorge Fernandez
Chief, Program Evaluation Branch
Stationary Source Division
Operating Conditions

- CARB Placard
- Registration Certificate

Statewide Portable Equipment Registration
The following operating conditions apply for registration
Engine Serial No.: 45580

General Requirements:
1. The engine shall be properly maintained and kept in good operating condition at all times.
2. The registration identification sticker shall be affixed in a visible location on the registered portable engine at all times. The metal placard shall be securely affixed on a vertical surface of the portable engine in a location that is readily visible from a distance. A legible copy of the registration certificate and operating conditions shall be kept on site with the portable engine and shall be made accessible to the Air Resources Board or district representative upon request.
3. Engine fuel shall meet standards for California motor vehicle fuels as set forth in Chapter 5, Division 3, Title 13, of the California Code of Regulations, or shall have been verified through the In-Use Strategies to Control Emissions From Diesel Engines verification procedure per Title 13 of the California Code of Regulations commencing with section 7950.
4. The engine and any replacement engine shall not reside at the same location for more than 12 consecutive months.
5. The operation of this engine shall not cause a public nuisance.
6. The engine shall be equipped with operational and properly maintained non-resettable hour meter.
7. For each rental engine or an engine used in a third party rental transaction, the owner shall provide each person who rents the portable engine with a copy of the registration certificate, including operating conditions, as part of the rental agreement.
8. The operator of a portable engine or equipment unit shall obtain district authorization prior to operation at any specific location where the Statewide registration is not valid.
9. This registration is not valid for operation of generators used to provide primary or supplemental power to a building, facility, stationary source, or stationary equipment except during the following scenarios: unforeseen interruptions of power from the serving utility, maintenance and repair operations, electrical upgrade operations that do not exceed 60 calendar days, and remote operations where grid power is unavailable.
10. This registration is not valid for operation within the boundaries of the California Outer Continental Shelf and State Territorial Waters.
11. This registration is not valid for operation within the boundaries of the California Outer Continental Shelf and State Territorial Waters.
12. The portable engine shall not be operated under both statewide registration and a district permit at any specific location.
Operating Conditions (continued)

- Insp. Requirement
- 45 day inspection request
Operating Conditions: Engines

- Recordkeeping
  - Monthly
  - Specific Location
PERP Review: Equipment Unit

- Recordkeeping
  - Daily Throughput
  - PM10 Limit
  - Date & Location (including storage)
• Notification Requirement
  - >5 days, 2 day notification
Summary

- All portable engines over 50 bhp that **DO NOT** power equipment to move require a CARB registration or an AQMD Permit to Operate.

- All equipment units that can emit particulate matter require a CARB registration or an AQMD Permit to Operate.

- Inspection requirements: placard, registration certificate, and records.
Training

Course #302
Portable Equipment Registration Program and the Portable Engine ATCM

WE WILL BE DISCUSSING RECENT CHANGES TO THE ATCM, INCLUDING ALL THE 2011 DEADLINES:
This one day course is designed for both regulators and the public and is designed to provide information on the following: 1) what is PERP, 2) eligibility requirements for both engines and equipment units, 3) PERP requirements – identification, notification, bookkeeping, etc., 4) ATCM requirements, 5) PERP and ATCM compliance.

November 8, 2011
8:30 AM - 4:30 PM
South Coast AQMD
21865 E. Copley Drive, CC6
Diamond Bar, CA 91765-4178
(909) 396-2000

REGISTER ONLINE: http://www.arb.ca.gov/training/registration/registration.php
Course Web Page: http://www.arb.ca.gov/training/courses.htm
Registration Information: Registrar (916) 322-3937 armtrain@arb.ca.gov

Course 303:
Advanced Portable Equipment Regulation Review

This advanced course is for environmental regulators and the public who are familiar with both the PERP program and the Portable ATCM.

PREREQUISITE: Course 302: Portable Equipment Registration Program or equivalent knowledge

This robust 3-hour course is a forum for discussing the following:
1. Recent changes to both PERP and Portable ATCM
   a. New Fleet Average calculator Spreadsheet
2. Current Enforcement being done
   a. District Representative present
3. Recent interpretations of the regulations
4. Recent Carl Moyer changes. There is now FUNDING available for engine replacements
   a. District incentive personnel present

November 9, 2011
8:30am – 12:30pm
South Coast AQMD
21865 E. Copley Drive, CC6
Diamond Bar, CA 91765
(909) 396-2000

REGISTER ONLINE: http://www.arb.ca.gov/training/myself/login.php
COURSE WEB PAGE: http://www.arb.ca.gov/training/courses.php?course=303
REGISTRAR CONTACT INFORMATION: (916) 322-3975 or e-mail: armtrain@arb.ca.gov
Contact Info

California Air Resources Board (CARB)
PERP Hotline: (916) 324-5869
Email: portable@arb.ca.gov
Website: www.arb.ca.gov/portable/portable.htm

Portable Equipment Training
http://www.arb.ca.gov/training/training.htm
South Coast AQMD
PERP Hotline: (877) 810-6995
Email: perp@aqmd.gov
Website: www.aqmd.gov/comply/perp.htm

General Permitting Assistance:
Permitting Hotline: (909) 396-3385