

PERP Requirements

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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



AQMD

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

It's Your Choice!

Cleaning the air that we breathe...™

Diesel Tier Chart

		Manufactured Year																				
		1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015+
Maximum Power (BHP)	51-74	Tier 0	Tier 0	Tier 0	Tier 1	Tier 2	Tier 3															
	75-99	Tier 0	Tier 0	Tier 0	Tier 1	Tier 2	Tier 3															
	100-174	Tier 0	Tier 0	Tier 1	Tier 2	Tier 3																
	175-299	Tier 0	Tier 1	Tier 2	Tier 3																	
	300-599	Tier 0	Tier 1	Tier 2	Tier 3																	
	600-750	Tier 0	Tier 1	Tier 2	Tier 3																	
	751+	Tier 0	Tier 0	Tier 0	Tier 0	Tier 0	Tier 1	Tier 2														

Tier 0	Tier 1	Tier 2	Tier 3	Interim Tier 4	Tier 4
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PERP Requirements:

- Inspection
- CARB placard
- Registration certificate including operating conditions
- Records



Registration Certificate

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 4HK1X, Serial No: 459894, (Unit Number: PR926), rated at 170 bhp and diesel fueled.

U.S. EPA Engine Family Name: 9SZXL05.2IXB

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.: 459894

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 2700.
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 time 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 power into the grid, except during an emergency event or other unforeseen event that affects grid stability.
10. 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.
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



South Coast Air Quality Management District
21865 Copley Drive, Diamond Bar, CA, 91765
1-800-CUT-SMOG www.scaqmd.gov Phone: (909) 396-2325

Version 010311

OFFICE USE ONLY

Appointment #:	
Received By:	
Date Received:	
Date Entered:	
Inspector Assigned:	

PERP Appointment Request

As of 4/27/07, Article 5, Section 2460(b) of the Code of California Regulations (CCR) requires owners or operators of registered portable engines or equipment units to notify the Home District within 45 days of the initial registration or renewal date to schedule an inspection. The inspection shall be completed within one year at a time and place agreed upon in advance. Please complete all applicable sections of the form below. AQMD staff will contact you within 30 days following receipt of the request to schedule the inspection.

Company Information:

Name of Business:		Date:	
Mailing Address:	City:	State:	Zip:
Location of Equipment to be Inspected:	City:	State:	Zip:
Contact Name:	Title:	Phone #:	
Email:	Fax #:	Alternative Phone #:	

Equipment to be Inspected:

Registration #:	Expiration Date:	Type of Equipment:	Registration #:	Expiration Date:	Type of Equipment:

Attach additional pages as needed

Important Notice: Pursuant to CCR Title 13, Article 5, Section 2458(a), 2458(b), and 2460(b)(6), failure to have engines or equipment units and the required documentation and records available for inspection may result in violation notice issuance and penalty assessment. For in-field inspections, portable engines and equipment units must be observed in operation. Contact AQMD at least 24 hours prior to the time of an arranged inspection appointment to reschedule.

OFFICE USE ONLY

Date & Time Contacted:	
Scheduled Inspection Date & Time:	

Submit the completed request by one of the following methods:
 FAX: 909.396.3840 Email: perp@scqmd.gov
 Mail: PERP - 4th Floor, SCAQMD, 21865 Copley Dr., Diamond Bar, CA 91765

The following operating conditions apply for registration
Engine Serial No.: 459894

34. The Responsible Official of a fleet shall submit to the Air Resources Board by March 1, 2013, March 1, 2017, and March 1, 2020 a signed statement of compliance that the fleet standards are being achieved. The Statement of compliance shall include for each engine in the fleet: make, model, serial number, fuel type, PM emission factor (g/bhp-hr), and district permit or State registration number. If compliance with the fleet average includes the use of electrification, the Responsible Official shall provide documentation supporting the credit claimed for electrification.
35. As part of each statement of compliance, the Responsible Official shall, if applicable, certify that all alternative-fueled engines included in the fleet average operated at least 100 hours during the previous 12 months prior to the fleet emission standard becoming effective, for all engines exclusively used in emergency applications, the engines were used only for emergency applications, for all engines using the low-use designation, the engines operated no more than 80 hours for the reporting period, and for all portable diesel-fueled engines equipped with SCR, the engine complies with applicable district or Statewide Portable Equipment Registration Program requirements.
36. The Responsible Official of a fleet electing to use electrification in determining the fleet average shall notify prior to the start of the project the Executive Officer of the dates, location of the project, and make, model, serial number, district permit or State registration number of the affected engines. In addition, the notification shall clearly identify the electrification activity, including indicating the amount of electricity used and the time period for the project.

Inspection Requirements

37. Within 45 days after initial issuance or renewal of a registration, the owner or operator shall contact the home district to arrange for inspection to be completed within one year of the initial registration or renewal date. If the engine is operating in a district other than the home district, the owner or operator may request the home district to arrange an inspection by that other district.
38. For the purposes of scheduling inspections of multiple engines in order to qualify for an inspection fee discount, the owner or operator shall submit, within 45 days of initial registration issuance date or by January 30 of each year for renewals, a letter of intent to the home district that shall include an engine list with registration numbers of those to be inspected.
39. The time for the arranged inspection shall be agreed upon in advance between the district and the company. To the extent that an arranged inspection does not fall within the district's normal workday, the district may charge for the off-hour time.
40. If an arranged inspection does not occur due to unforeseen circumstances, the inspection shall be rescheduled for no later than 90 days from the initially scheduled inspection.

Equipment Units (continued)

- Notification Requirement
- >5 days, 2 day notification






South Coast Air Quality Management District
Portable Equipment Registration Program

21865 Copley Drive
 Diamond Bar, CA 91765-4178

Email: perp@aqmd.gov
 Fax: (909)396-3849
 Phone: (877)810-6995

Portable Equipment Notification

You may use this form to comply with notification requirements listed in the conditions of your statewide Portable Equipment Registration Program (PERP) certificate or AQMD "various locations" Permit to Operate.

Operators of registered portable equipment units subject to Section 2459 of Article 5 (Title 13) of the California Code of Regulations are required to notify the district within two working days of commencing operations in the district, if the registered equipment unit will be operating in a district for more than five days. If the owner or operator did not expect the duration of operation in the district to trigger the notification requirement, the owner or operator shall notify the district within 12 hours of determining that the equipment unit will be operating in the district for more than five days.

Operators of portable equipment with a "various locations" permit from AQMD are required to notify the district upon the 5th day of placement of the equipment into operation at a site.

* Denotes required information. Please provide all other information applicable to the project, if possible.

AQMD Permit Number(s)*:		
PERP Registration Number(s)*:		
Equipment Description:		
Start Date*:	Estimated End Date*:	
Project Location		
Facility Name:	Facility ID#:	
Street Address:		
City*:		
Closest Intersection*:		
GPS Coordinates:		
Distance to Nearest Sensitive Receptor** :		
Type of Sensitive Receptor**:		
Company Information		
Company Name*:	Facility ID#:	
Contact Person*:		
Contact's Phone Number*:		
Contact's Email:		

** Required for AQMD "Various Locations" permits

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



Enforcement Division
Presents

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 917654178
(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 arbtrain@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/myarb/login.php>

COURSE WEB PAGE: <http://www.arb.ca.gov/training/courses.php?course=303>

REGISTRAR CONTACT INFORMATION: (916) 322-3973 or e-mail: arbtrain@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>

Contact Info

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