

Environmental Requirements for Off-Road Diesel Engines

Diesel powered equipment is considered to be “off-road” when it is propelled under its own power but is not designed or registered to drive on public roads. Examples of off-road diesel equipment include, but are not limited to the following: forklifts, load handlers (carriers and gradalls), rough terrain cranes, manlifts, and construction equipment (graders, bobcats, earth movers) and the like. Subcontractors proposing to operate off-road equipment at NASSCO must be aware of and comply with the environmental requirements applicable to the operation of this equipment. For questions about these or any other NASSCO environmental requirements, call 619-544-7506.

Before You Begin

NASSCO Approval

Your company may not operate off-road diesels at any NASSCO facility without first applying for and obtaining approval from the Environmental Engineering Department to conduct this activity. Separate approval must be obtained for each off-road diesel engine (per ship or location). To apply for approval, a completed and signed copy of “[NASSCO Environmental Form #10: Request for Authorization to Operate Off-Road Diesel Engines at NASSCO Facility](#)” to the NASSCO Environmental Engineering Department at Envreports@nassco.com or fax to 619-744-1088. You may not operate off-road diesels until approval has been received from the Environmental Engineering Department.

Registration with California Air Resource Board

Off-road diesel equipment having an engine greater than 25 horsepower in size is subject to the State of California’s In-Use Off-Road Vehicle Regulation. The owners of equipment subject to this regulation must register this equipment in the “Diesel Off-Road On-Line Reporting System” (DOORS) operated by the California Air Resources Board (CARB). Upon registration of your equipment, your company will be assigned a unique fleet identification number and each registered vehicle will be issued its own equipment identification number. Your company is responsible for registering any diesel equipment subject to this regulation before bringing this equipment onto any NASSCO Property. For information on the State of California’s in-use off-road diesel regulation, contact the CARB Diesel Hotline at (866) 634-3735 or visit www.arb.ca.gov.

Equipment Labeling Requirement

CARB regulations specify that in-use off-road diesel equipment be clearly and conspicuously labeled with the CARB-assigned Equipment Identification Number (EIN). The EIN must consist of white characters on a red background, and located in clear view on the right (starboard) side of the outside of the vehicle, approximately 5 feet above ground. If the vehicle is not 5 feet tall, the label may be placed lower on the vehicle.



Each character of the EIN needs to be at least 3 inches tall and 1.5 inches wide. Furthermore, the EIN must be maintained in a manner that retains its legibility for the entire life of the vehicle. All diesel equipment subject to this regulation must bear the required labeled before entering NASSCO property.

California Diesel

The State of California specifies that diesel fuel used in California must be formulated to certain standards, as specified in Title 13 of the California Code of Regulations (Sections 2281 and 2282). This low-sulfur fuel, known as "California Diesel" is the only allowable fuel source for diesels operating at NASSCO. All persons operating diesel engines at NASSCO should be prepared to provide proof that California Diesel is being used when requested.

Work Practices

NASSCO Subcontractors and Team Member are responsible for educating their employees and third party subcontractors on the applicable environmental requirements associated with operation of diesel engines, including the following:

Anti-Idling Policy

While your in-use off-road diesel equipment is operated at NASSCO, the operator must comply with NASSCO's Anti-Idling Policy, which states that no in-use off-road diesel equipment or diesel vehicle may idle for more than 5 consecutive minutes. The policy does allow exemptions to the idling policy for the following cases:

- When it is necessary to complete a function of the vehicle, such as providing hydraulic power to a crane or fuel pump. Also, if the idling is necessary to perform a secondary function of a vehicle, such as load handling or operation of a pump, it is allowed
- When it is necessary for servicing, testing or maintenance, including idling necessary to regenerate exhaust filters
- When idling is required for safety reasons
- When warming a vehicle up to operating temperatures, as specified by the equipment manufacturer
- When queuing, such as when a line of forklifts forms to offload materials from a truck. Idling for more than 5 minutes is not allowed simply for the purpose of waiting for another vehicle or piece of equipment to perform its function

If your company will be using off-road diesel equipment at NASSCO, you are responsible for training each operator about the anti-idling policy before allowing operation of the equipment.

Pollution Prevention

State and local regulations require that diesel engines and their pollution control devices be operated and maintained in accordance with manufacturer's specifications. The equipment must be kept in good condition to prevent release of excess emissions or leaks and spills. All engines must be operated in conformance with SDAPCD Rule 50, which prohibits visible emissions. If, at any time during the operation of the diesel equipment, there is evidence of an environmental release (fuel spill or leak, crankcase smoke, visible emissions from the exhaust outlet), then the equipment must be immediately shut down until the problem can be resolved.

Spills or Environmental Releases

Spills and releases of chemicals, including diesel fuel and oil, must be immediately reported to NASSCO Security 619-544-8401 according to NASSCO's spill reporting policy, as outlined in NASSCO's Best Management Practice #102.

After the Work is Completed

Reporting

NASSCO has not established a monthly reporting requirement for operators of off-road diesel equipment. Unless your company performs another activity that requires monthly reporting (e.g., painting, blasting, welding, adhesive or solvent use), no monthly reports will be required.