

**City of Portland ITB 112047 – Stormwater Residuals Hauling and Reuse/Disposal  
Sustainable Procurement Specifications Excerpt  
August 20, 2010**

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*[Scope of Work Excerpt: The successful Bidders shall provide for the safe, efficient, and environmentally sensitive, hauling and reuse/disposal of non-hazardous sediments that have been removed from the City of Portland's stormwater management facilities.]*

**2.1 AIR POLLUTION CONTROL, GENERAL**

**A. SMOKE, DUST AND OTHER CONTAMINANTS**

The Contractor shall not discharge smoke, dust, and other contaminants into the atmosphere that violate the regulations of legally constituted authorities. Minimize dust nuisance by cleaning, sweeping, and sprinkling with water, or other means. The use of water in amounts that result in mud on public streets is not acceptable as a substitute for sweeping or other methods.

**B. ENGINE IDLING**

The Contractor shall minimize idling of vehicles and equipment to reduce vehicle emissions.

1. Contractor shall ensure employees and sub-contractors:
  - a. Limit idle time of diesel or gasoline powered vehicles or equipment to no more than five minutes during warm-up or when the vehicle is being restarted after a prolonged period of shut down.
  - b. Do not idle diesel vehicles more than five minutes or gasoline vehicles more than one minute when vehicle is stopped for a period of time expected to exceed five minutes.
  - c. Allow appropriate time for cool-down of diesel vehicles prior to shutting them off, not to exceed five minutes.
  - d. Restrict idle time to less than three minutes for gasoline vehicles making frequent stops.
2. This rule does not apply to:
  - a. Circumstances where the following may be compromised if the engine in any motor vehicle is turned off: The health and safety of employees and sub-contractors or the safe and efficient use of vehicles and tools including excavators engaged in trench excavation, pipe laying or backfilling operations, and where men are working in the trench.
  - b. Situations where engine power is necessary for an associated power need such as electrical or hydraulic power generation, inverter or tool use, hoist, winch, lift gate or boom operation.
  - c. Defogging, defrosting, or de-icing windows - Idling must end once fog, frost, or ice conditions have been eliminated. When window ice or frost conditions are present, ice or frost shall be removed from windows with a scraper.
  - d. Idling a vehicle for up to 15 minutes for the purpose of getting warm and/or dry if indoor accommodations are not available in the immediate work area. Adequate ventilation must be present.
  - e. Testing, servicing, or inspecting vehicles or equipment for repair.

**2.2 DIESEL EMISSION CONTROL RETROFIT**

**A. DIESEL ONROAD VEHICLES**

All diesel on-road vehicles used on the project for more than 10 total days must have either engines that meet the PM Standard from the

U.S. Environmental Protection Agency (EPA) 2007 Heavy Duty Highway Rule (model year 2007 or newer) or utilize after-market emission control technologies to reduce PM emissions by a minimum of 85%. If vehicle operations preclude a PM reduction of 85%, best available technology may be utilized.

## **B. ADDITIONAL DIESEL REQUIREMENTS**

Work shall not proceed until the Contractor submits a list of all diesel vehicles and equipment to be used on site and contacts the City of Portland Bureau of Planning and Sustainability to verify that non-compliant equipment has been retrofitted with the best available emission control technology. The diesel equipment list shall include the following:

1. Contractor and subcontractor name and address, plus contact person responsible for the vehicles or equipment.
2. Equipment type, manufacturer, license plate, engine manufacturer, engine model, engine model year, horsepower.
3. For the pollution control technology installed: technology type, serial number, make, model, manufacturer, and installation date.

If the Contractor subsequently needs to bring on site equipment not on the list, the Contractor shall submit written notification within 24 hours that attests the equipment complies with all contract conditions.

All diesel equipment shall comply with all pertinent local, state, and federal regulations relative to exhaust emission controls and safety.

The Contractor shall establish generator sites and truck-staging zones for vehicles waiting to load or unload material on site. Such zones shall be located where diesel emissions have the least impact on abutters, the general public, and especially sensitive receptors such as hospitals, schools, daycare facilities, elderly housing, and convalescent facilities.

## **C. FUEL**

Vehicles used on this project will utilize a biodiesel blend no less than B20.

## **D. EXEMPTIONS**

On-road diesel vehicles, non-road construction equipment, and generators on site for 10 working days or less over the life of the project need not install pollution control technology. This equipment must be included on the equipment list submitted by the Contractor and approved by the Owner.

The Contractor may, with the City's written approval, drop down to a lower level of control if the Contractor can prove to the City's satisfaction that, a particular class of on-road diesel vehicle, non-road construction equipment, or generator any of the following conditions:

1. No alternative equipment meeting the PM Standard from the EPA 2007 Heavy Duty Highway Rule is available.
2. It is not technically feasible to meet the control level specified above.
3. Installing the control device would create a safety hazard or impaired visibility for the operator.

The City's representative may create an exemption when there is a compelling emergency need to use diesel vehicles or engines that do not meet the contract conditions for emission controls. An example would be the need for rescue vehicles or other equipment to prevent or remedy harm to human beings or nearby property. Meeting contract deadlines is not considered a compelling emergency.