

APPENDIX 3

Air Emissions Control Best Management Practices

The Clean Air Act requires EPA to set National Ambient Air Quality Standards (NAAQS) for six criteria pollutants; sulfur dioxide (SO₂) is one of these. St. Bernard Parish has recently been classified as in “non-attainment” for sulfur dioxide. The implementation of best management practices to control emissions during construction activities includes the following:

All motor vehicles and/or construction equipment (both on-highway and non-road) shall comply with all pertinent State and Federal regulations relative to exhaust emission controls and safety.

1. Use diesel engine retrofit control devices. This shall consist of oxidation catalysts, or similar retrofit equipment control technology that (1) is included on the Environmental Protection Agency (EPA) Verified Retrofit Technology List
2. The contractor shall establish staging zones for vehicles that are waiting to load or unload at the contract area. Such zones shall be located where the emissions from vehicles will have minimum impact on abutters and the general public.
3. Idling of delivery and/or dump trucks, or other equipment shall not be permitted during periods of non-active use, and it should be limited to less than 5 minutes. No mobile source engine shall be allowed to operate for more than 5 consecutive minutes when the mobile source is not in motion except as follows:
 - a. When a mobile source is forced to remain motionless because of traffic conditions or mechanical difficulties over which the operator has no control,
 - b. When it is necessary to operate defrosting, heating or cooling equipment to ensure the safety or health of the driver or passengers,
 - c. When it is necessary to operate auxiliary equipment that is located in or on the mobile source to accomplish the intended use of the mobile source,
 - d. To bring the mobile source to the manufacturer’s recommended operating temperature,
 - e. When the outdoor temperature is below twenty degrees Fahrenheit,
 - f. When the mobile source is undergoing maintenance that requires such mobile source be operated for more than three consecutive minutes, or

All work shall be conducted to ensure that no harmful effects are caused to adjacent sensitive receptors. Sensitive receptors include but are not limited to hospitals, schools, daycare facilities, elderly housing and convalescent facilities. Engine exhaust shall be located away from fresh air intakes, air conditions and windows.

4. Use ultra-low sulfur diesel fuel in off-road construction equipment with engine horsepower rating of 50 HP and above.
5. Water all exposed surfaces two times daily. Exposed surfaces include, but are not limited to soil piles, graded areas, unpaved parking areas, staging areas, and access roads.
6. Cover or maintain at least two feet of free board space on haul trucks transporting soil, sand, or other loose material on the site. Any haul trucks that would be traveling along freeways or major roadways should be covered.

7. Limit vehicle speeds on unpaved roads to 15 miles per hour (mph).
8. Maintain all construction equipment in proper working condition according to manufacturer's specifications.