

ENHANCED MITIGATION FOR CONSTRUCTION EXHAUST EMISSIONS

1. The project proponent/owner/representative shall submit to the lead agency and Sac Metro Air District a comprehensive inventory of all off-road construction equipment, equal to or greater than 50 horsepower, that will be used an aggregate of 8 or more hours during any phase of the construction project.
 - The inventory shall include the CARB equipment identification number, equipment type, horsepower rating, engine model year, and projected hours of use for each piece of off-road equipment.
 - The current Certificate of Reported Compliance for CARB's In-Use Off-Road Regulation for each construction company working on the project must be submitted with the inventory.
 - If the project includes on-road heavy duty haul truck activity of bulk material (for example: imported, exported, fill, aggregate, concrete) that will exceed 2,000 vehicle miles traveled/day in Sacramento County, the inventory shall include vehicle miles traveled. If proof is demonstrated that all hauling will be conducted with trucks that have 2010 or newer model year engines, Sac Metro Air District may waive the reporting of haul truck information.
 - If the project includes marine equipment, the inventory shall include the vessel type, number of engines, engine model year, horsepower rating, and projected hours of use for all main and auxiliary engines. The Sac Metro Air District's [Harborcraft, Dredge and Barge Emission Factor Calculator](#) may be used to assist in reporting this information.
 - Portable equipment may be excluded from the inventory.
 - The project proponent/owner/representative shall provide the Sac Metro Air District with the anticipated construction timeline including start date, and name, phone number and email address of the project manager and on-site foreman.
 - This information shall be submitted to the Sac Metro Air District at least 4 business days prior to the use of subject equipment.
 - The Sac Metro Air District's [Construction Mitigation Tool](#) should be used to submit this information, unless otherwise arranged with Sac Metro Air District staff. Marine equipment must be provided separately. The Sac Metro Air District's [Harborcraft, Dredge and Barge Emission Factor Calculator](#) may be used to assist in reporting this information.

- The project proponent/owner/representative shall update and submit the off-road equipment inventory, haul truck activity, and marine equipment use at the end of the job, phase, or calendar year depending on the project type, and pre-arranged with Sac Metro Air District staff.
2. The inventory must demonstrate that the emissions from the construction project equipment will be reduced to 85 pounds/day of nitrogen oxide emissions (NO_x). This includes emissions from heavy-duty off-road equipment that is owned, leased, and provided by subcontractors, as well as emissions from on-road haul truck vehicle miles traveled and marine equipment usage. The lead agency and Sac Metro Air District will review the inventory and emissions estimate to determine approval prior to construction starting.
 - Acceptable options for reducing emissions may include the use of newer model year engines, low-emission diesel products, alternative fuels, engine retrofit technology, after-treatment products, zero emission technologies and/or other options as they become available.
 - The Sac Metro Air District's [Construction Mitigation Tool](#) should be used to calculate the equipment fleet and on-road haul truck emissions, unless otherwise arranged with Sac Metro Air District staff. Marine equipment must be calculated separately. The Sac Metro Air District's [Harborcraft, Dredge and Barge Emission Factor Calculator](#) may be used to assist in reporting this information.
 3. Emissions that exceed 85 pounds/day of NO_x after all on-site reductions have been implemented will be mitigated via payment of a fee to the Sac Metro Air District.
 4. The inventory reporting, emissions calculation and fees required by this mitigation shall be included as a bid item for the construction of the project by the project proponent/owner/representative to ensure the mitigation is implemented.
 5. The Lead agency, Sac Metro Air District and/or other responsible officials may conduct periodic site inspections to determine compliance. Nothing in this mitigation shall supersede other Sac Metro Air District, state or federal rules or regulations.