

ATTACHMENT C
OPERATIONAL DIESEL PARTICULATE AND NO_x EMISSION REDUCTION MEASURES

Particulate emissions from diesel exhaust are classified as carcinogenic by the state of California. The following list of control strategies should be implemented to the maximum extent feasible.

- Require (or incentivize) zero-emission trucks for facility operations to the maximum extent feasible. At a minimum, all heavy-duty trucks entering, or on, the project site should be model year 2014 or later.
- Utilize zero-emission off-road service equipment (yard equipment, forklifts, pallet jacks etc.) within the site.
- Install electric charging infrastructure to support zero-emission vehicles and equipment.
- Install vegetative walls or other effective barriers that separate loading docks and people living or working nearby.¹
- Restrict diesel trucks and support equipment from idling longer than two minutes whilst on site. Condition a “no idle” zone at locations where there is the potential for a significant health risk.
- Require all emergency generators to be powered by a source other than diesel or gasoline (e.g. battery, natural gas, propane, etc.).
- For projects that include use of transportation refrigeration units (TRUs), equip all loading/unloading docks and trailer spaces with electrical hookups for trucks or auxiliary power units. Require TRUs entering the project site to be plug-in capable to the maximum extent feasible. Utilize zero-emission refrigeration technology, such as all-electric plug-in TRUs, hydrogen fuel cell transport refrigeration, and cryogenic transport refrigeration. Limit onsite TRU diesel engine runtime to no longer than 15 minutes.

All measures required by the Lead Agency should be made enforceable for the project through conditions of approval, incorporation in the project description or a Mitigation Monitoring and Reporting Program, or other enforceable mechanism. The Lead Agency should ensure compliance onsite. APCD inspectors will respond to nuisance complaints.

¹ Effectiveness of Sound Wall-Vegetation Combination Barriers as Near-Roadway Pollutant Mitigation Strategies (2017). Available at <https://ww2.arb.ca.gov/sites/default/files/classic/research/apr/past/13-306.pdf>