

## **SUGGESTED AIR POLLUTANT MITIGATION MEASURES FOR CONSTRUCTION SITES FOR KERN COUNTY APCD**

The following list of reduction measures should be used where they are applicable and feasible. This list should not be considered all-inclusive. Any other measures not listed are encouraged.

**LAND PREPARATION, EXCAVATION and/or DEMOLITION** - The following dust control measures should be implemented:

1. All soil excavated or graded should be sufficiently watered to prevent excessive dust. Watering should occur as needed with complete coverage of disturbed soil areas. Watering should be a minimum of twice daily on unpaved/untreated roads and on disturbed soil areas with active operations.
2. All clearing, grading, earth moving and excavation activities should cease
  - a. during periods of winds greater than 20 mph (averaged over one hour), if disturbed material is easily windblown, or
  - b. when dust plumes of 20% or greater opacity impact public roads, occupied structures or neighboring property.
3. All fine material transported offsite should be either sufficiently watered or securely covered to prevent excessive dust.
4. If more than 5,000 cubic yards of fill material will be imported or exported from the site, then all haul trucks should be required to exit the site via an access point where a gravel pad or grizzly has been installed.
5. Areas disturbed by clearing, earth moving or excavation activities should be minimized at all times.
6. Stockpiles of soil or other fine loose material shall be stabilized by watering or other appropriate method to prevent wind-blown fugitive dust.
7. Where acceptable to the fire department, weed control should be accomplished by mowing instead of discing, thereby, leaving the ground undisturbed and with a mulch covering.

**BUILDING CONSTRUCTION** - After clearing, grading, earth moving and/or excavating, the following dust control practices should be implemented:

8. Once initial leveling has ceased all inactive soil areas within the construction site should either be seeded and watered until plant growth is evident, treated with a dust palliative, or watered twice daily until soil has sufficiently crusted to prevent fugitive dust emission.
9. All active disturbed soil areas should be sufficiently watered to prevent excessive dust, but no less than twice per day.

**VEHICULAR ACTIVITIES** - During all phases of construction, the following vehicular control measures should be implemented:

**DUST**

10. Onsite vehicle speed should be limited to 15 mph.
11. All areas with vehicle traffic should be paved, treated with dust palliatives, or watered a minimum of twice daily.
12. Streets adjacent to the project site should be kept clean and accumulated silt removed.
13. Access to the site should be by means of an apron into the project from adjoining surfaced roadways. The apron should be surfaced or treated with dust palliatives. If operating on soils that cling to the wheels of the vehicles, a grizzly or other such device should be used on the road exiting the project, immediately prior to the pavement, in order to remove most of the soil material from the vehicle's tires.

**TAILPIPE EMISSIONS**

14. Properly maintain and tune all internal combustion engine powered equipment.
15. Require employees and subcontractors to comply with California's idling restrictions for compression ignition engines.
16. Use low sulfur (CARB) diesel fuel.