

ASSUMPTIONS FOR AIR QUALITY AND NOISE ANALYSES San Bernardino Terminal

- Dimensions of fenced compound = 115 feet by 66 feet.
Area = 7,590 square feet = 0.174 acre.
- Area to be graded for building = 20,000 square feet.
- Area to be graded for equipment yard and access road = 20,000 square feet.
- Two 1-foot wide (4-foot deep) fiber optic trenches are excavated between the fenced compound and the ROW.
- Specialized construction workers commute to site the number of days required for each activity (e.g., site grading).
- General construction workers commute to site for sum of days required for set of activities.
- Wind erosion conservatively assumed to affect sum of disturbed site areas during sum of days needed for grading, trenching, utility installation, and access road construction, but not for days used to construct pads and place shelters. The emission factor is derived in Attachment B.
- Fugitive dust from travel of construction vehicles over site, including access road, is included in emission factor of 39.4 pounds of PM10 per day per acre of construction activity area. This emission factor is conservatively applied to the total time for activities associated with preparation and construction of the pad (i.e., site grading, pad construction, and shelter placement) times the total area of the fenced compound plus 10-foot perimeter area, and to construction of the access road. The emission factor is derived in Attachment B.
- The fugitive dust generated by trenching for the fiber optic cables and utility installation is simulated by a dirt/debris pushing emission factor published in the CEQA Air Quality Handbook of the South Coast Air Quality Management District. The emission factor is derived in Attachment B.