

**TOSCO REFINING COMPANY
LOS ANGELES REFINERY – WILMINGTON PLANT**

CONSTRUCTION TRAFFIC EMISSION MANAGEMENT PLAN

CARB PHASE 3 PROJECT

April, 2001

A-1 TRAFFIC MANAGEMENT:

During receipt of major process equipment into the refinery, flag control personnel shall be employed as required to direct and control traffic during transit of trucks over refinery roads to the construction sites. Flag personnel shall also direct trucks and general refinery traffic as required during the excavation and hauling of soils and concrete between construction sites and the soils and concrete storage areas.

The designated refinery entry/exit gate for all deliveries to the construction sites shall be Gate 10. Major equipment and supporting bulk material deliveries shall enter Gate 10 and proceed to construction sites on Road 10, as depicted on Figure 1. Delivery hours to construction sites shall generally be restricted to between 9:00 am and 2:00 pm daily, four (4) days per week, to avoid congestion during movement of construction personnel between Gate 10 and construction sites at the beginning and end of each day. The hours of construction shall be 6:30 am to 5:00 pm.

Parking for construction personnel shall be provided in the parking lot adjacent to Gate 10. Transportation for personnel shall be provided from the Gate 10 area to the construction sites, depending on crew sizes, to avoid general traffic congestion on Road 10.

Compliance Monitoring & Reporting: Tosco shall cause contractors to maintain a log showing the delivery date and receipt time of major process equipment into the refinery. The log will identify the equipment, truck routing from Gate 10 to the construction site, personnel directing traffic, and spotting personnel attending the truck during transit to the site. The log will be maintained onsite for compliance inspection.

A-2 SECOND STAGE SMOG ALERTS

In the event a Stage II smog alert is declared by the SCAQMD for a given day, all emission generating construction activities shall be suspended for that day. Tosco will contact the SCAQMD's direct telephone number (1-800-CUT-SMOG) each day to ascertain the smog forecast for the following day. Alternatively, Tosco will access the SCAQMD's Internet site for forecasting information. Contractors working on or associated with the CARB Phase 3 project will be notified if a second stage smog alert is predicted.

Compliance Monitoring & Reporting: Tosco will maintain a daily log showing the date and time that the SCAQMD was contacted for smog forecasting information. The log will note the

response from the SCAQMD, whether the information was received by telephone or Internet contact, and the time that CARB Phase 3 contractors were notified in the event a second stage smog alert is forecasted. The log will be maintained onsite for compliance inspection.

A-3 TRUCK IDLING DURING DELIVERIES

Tosco shall arrange delivery schedules for major process equipment and bulk materials to minimize stationary idling time for delivery vehicles within the refinery. In the event vehicle engines are expected to idle in excess of 10 minutes during deliveries, engines will be shut down.

Compliance Monitoring & Reporting: Tosco will cause contractors to maintain a log showing the date and time delivery vehicle engines were shut down after idling time exceeded the 10 minute period. The log will note the particular truck uses and equipment being delivered. The log will be maintained onsite for compliance inspection.

A-4 USE OF ELECTRIC POWERED EQUIPMENT

Tosco shall cause contractors to use electric powered equipment, where commercially available, in the construction of the new CARB Phase 3 facilities. Electric powered equipment will include welding machines and small tools.

Compliance Monitoring & Reporting: Refer to A-6 below.

A-5 EQUIPMENT MAINTENANCE RECORDS

Tosco shall cause contractors to maintain construction equipment and retard diesel engine timing in accordance with manufacturers' recommendations.

Compliance Monitoring & Reporting: Tosco will cause contractors to maintain a log noting the dates that maintenance was performed on construction equipment. The log will describe the particular equipment, note the maintenance performed, and specifically note performance of engine tune-ups and retardation of diesel engines. The log will be maintained onsite for compliance inspection.

A-6 ELECTRIC POWER SOURCES WITHIN THE REFINERY

Tosco shall cause contractors to use the existing 120/208 volt and 480 volt electrical power sources within the specified construction sites for electric welding equipment and small electric powered tools, up to the amperage capacities available and at the outlets available at these voltages. Refer to Figure 1 for location of the specified construction sites. Electric power is not available for construction related to CARB Phase 3 outside of these specified locations.

Compliance Monitoring & Reporting: Tosco will cause contractors to maintain a log showing the specific electrical equipment connected to existing 120/208 volt and 480 volt sources within the specified construction sites noted on Figure 1. A log will also be maintained for recording the use of gas/diesel equipment where electrical power is not available. The logs will note the days of the week the particular equipment is used and the log will be maintained onsite for compliance inspection.

A-7 USE OF ELECTRIC POWER GENERATORS

As noted in section A-6, Tosco shall cause contractors to use the existing 120/208 volt and 480 volt electrical power within the specified construction sites. Areas outside of these specified construction sites, where electrical power is not available for construction, will utilize temporary power generators as required.

Compliance Monitoring & Reporting: Tosco will cause contractors to maintain a log for recording the use of gas/diesel generators where electrical power is not available. The logs will note the days of the week the particular equipment is used and the log will be maintained onsite for compliance inspection.

A-8 FUGITIVE DUST EMISSION CONTROL

Tosco shall implement the following measures to reduce PM10 fugitive dust emissions:

1. limit traffic speeds on unpaved roads to 15 mph;
2. water active construction sites three times per day, except during periods of rainfall;
3. apply water three times daily, except during periods of rainfall, to all unpaved road surfaces;
4. enclose, cover, water twice daily, or apply approved soil binders according to manufacturers' specifications to exposed piles (i.e., gravel, dirt and sand) with a five percent or greater silt content; and
5. suspend all excavating and grading operations when wind speeds (as instantaneous gusts) exceed 25 mph.

Compliance Monitoring & Reporting: Tosco will cause contractors to maintain a daily log to document the control of fugitive dust emissions. The log will note the type of control employed, approximate wind speeds, weather conditions, and note that excavations were curtailed in cases where wind speeds exceed 25 mph. Where water is the sole control method, the log will note that watering was performed three times per day. The log will be maintained onsite for compliance inspection.