

US EPA ARCHIVE DOCUMENT

MONTROSE – ON-SITE DUST CONTROL INSPECTION CHECK LIST

NAME: BOB CARLEY

DATE/TIME: APRIL 23, 2013 7 AM TO NOON

WEATHER/WIND CONDITIONS: 64 DEG, OVERCAST W/WIND LIGHT FROM SOUTH, CHANGED TO WIND FROM WEST AS TIME APPROACHED MIDDAY.

Dust control procedures may include, (check all observed)

- X Water as a dust suppressant. **Water trucks in use**
- X Only handle soils during low wind conditions. No loading during high wind conditions.
- X Keep the soil piles covered at all times when not in use and limiting the amount of soil uncovered during loading.
- X Manage soil piles to avoid steep sides or faces and minimize number of soil movements.
- X Limit size of work area.
- X Limit vehicular traffic and disturbances within work area.
- Load soil from the upwind side of the soil pile (i.e. west side if wind direction is easterly) or side farthest from the property line. **Did not observe**

Observation of Dust Control Procedures:

The battery mounted tripods were upwind and downwind when I arrived. See observations below. Patrick Vandenberg was using the mobile handheld unit around the site. At the treatment plant site where asphalt layer was carefully being removed, a man with hose was spraying an almost continuous stream of water on the excavation area and equipment. From time to time he also sprayed water on the equipment that was adjacent and breaking up the gravel and cemented dirt layer that exists beneath the asphalt. A portion of the treatment site had already been excavated to final elevation 3 feet or so below ground level. Final treatment plant site elevation is about 3 feet above existing grade. Excavated material is being stockpiled and covered on "middle of site" behind the inspector's trailer.

Dust Measurement System (Locations on page 2): **(Measurement/Time Measured)¹**

| | | |
|--------------------------------|------------------|--|
| Upwind | 9:15 a.m. | Conc. .015 mg/cu. meter TWA .018 mg/cu. meter |
| Downwind | 9:30 a.m. | Conc. .017 mg. cu. meter TWA .019 mg/cu. meter |
| Exclusion zone handheld | | Mobile unit being used by Patrick Vandenberg around site |

Observation of Dust Measurement Procedures:

- Patrick mentioned the action levels:
1. If the delta across the site is .05 or more there are measures taken. See footnote below
 2. In the pit if outside the zone of 5 mg/cu. m then an action level is called for, respirator
 3. In the pit up to 10 mg/cu. m use respirator
 4. In the pit exceeding 10 mg/cu. m stop activity.

Attach photos (None)

¹ The standard for dust control established by SCAQMD is no more than a 0.05 mg/m³ increase dust levels between upwind and downwind measurements of the construction activity measured downwind from the activity.

Mark on Figure below:

- A - Location of excavation (exclusion zone) Treatment plant pad area
- B- Wind Sock (one on trailer, also Stauffer property SW, and a flag on property directly S
- C – Upwind Dust Monitor located along south fence approx extension of main pipe trench
- D – Downwind Dust Monitor located along north fence approx ext of main pipe trench
- E- Stockpiled Soils mostly directly west of trailer but east of black covered stockpiles
- > General direction of wind during visit was south to north and SW to NE

