

US EPA ARCHIVE DOCUMENT

## MONTROSE – ON-SITE DUST CONTROL INSPECTION CHECK LIST

**NAME:** BOB CARLEY

**DATE/TIME:** APRIL 12, 2013 10 AM TO 12

**WEATHER/WIND CONDITIONS:** 64 DEG, OVERCAST W/WIND LIGHT FROM SOUTH, CHANGED TO WIND FROM WEST AS TIME APPROACHED MIDDAY. ONSITE INSPECTOR STATED THIS WAS TYPICAL FOR WIND TO PICKUP AND BLOW EAST DURING THE AFTERNOON.

**Dust control procedures may include, (check all observed)**

- Water as a dust suppressant. **Water truck observed**
- Only handle soils during low wind conditions. No loading during high wind conditions.
- Keep the soil piles covered at all times when not in use and limiting the amount of soil uncovered during loading.
- Manage soil piles to avoid steep sides or faces and minimize number of soil movements.
- Limit size of work area.
- 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 “old soil” apparently with traces of DDT was very completely covered with heavy black tarps on west edge of site in an “isolated area”. The soil from excavation was all covered with white plastic and edges carefully weighted to prevent flapping and tearing in the wind, which could easily occur without some weighting. The only exposed piles were imported bedding material.  
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.

**Dust Measurement System (Locations on page 2):**

**(Measurement/Time Measured)<sup>1</sup>**

<b>Upwind</b>	11:15 a.m. 0.021 mg/cu. m
<b>Downwind</b>	10:30 a.m. 0.016 mg/cu. m TWA .027 mg/cu. m since 7 a.m.
<b>Exclusion zone handheld</b>	Mobile unit being used by Patrick Vandenberg around site

**Observation of Dust Measurement Procedures:**

Stationary monitors typical changed to E-W configuration around 1 p.m. each day. Large flag to the south of site and wind sock on property to the SW are convenient visual indicators of wind direction and, to certain extent, velocity. Handy references.  
Patrick had a complete log of results for the day. He explained there were four action levels:

1. If the delta across the site is .05 or more there are measures taken
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

<sup>1</sup> The standard for dust control established by SCAQMD is no more than a 0.05 mg/m<sup>3</sup> increase dust levels between upwind and downwind measurements of the construction activity measured downwind from the activity.

