

US EPA ARCHIVE DOCUMENT

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

NAME: JAMES CULOTTA	DATE/TIME: 6-10-2013 7:00 AM
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**WEATHER/WIND CONDITIONS: OVERCAST WITH SLIGHT EASTWARD BREEZE, COOL, ~65 DEGREES**

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

- Water as a dust suppressant.
- 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.

**Observation of Dust Control Procedures:**

Observations focused on dust control and soil handling for engineered fill placement. Soil from the stockpile was sprayed with water by a worker on the ground as the material was loaded into the dump truck. The soils were moist and no dust was observed. From the stockpile the soils were transported to the fill pad and end-dumped on the northern end of the fill pad. The dumped soils were mixed and then spread in thin lifts across the fill area by a loader. A water truck continuously sprayed the processed fill soils and kept the soils moist, no dust was observed. In addition to spraying the soils in at the stockpile and fill area, the water truck periodically sprayed water on the existing pavement area and equipment routes around the project site in order to minimize dust. At the time of my visit no dust was observed being generated at the project site. See attached photographs.

Dust Measurement System (Locations on page 2):	(Measurement/Time Measured) <sup>1</sup>
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Upwind	0.010 mg/cu. m 7:15 am
Downwind	0.005 mg/cu. m 7:15 am
Exclusion zone handheld	0.014 and 0.010 mg/cu. m 7:15 am

**Observation of Dust Measurement Procedures:**

In order to monitor dust, AECOM set up dust monitors on the upwind (west) and downwind (east) side of the work area. In addition, an AECOM representative used a handheld air monitoring device to monitor dust at various locations around the work area and near working equipment. Air monitor readings were recorded approximately every 15 minutes.

A windssock placed in the central area of the site was used to monitor wind direction.

<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.

Mark on Figure below:

A - Location of excavation (exclusion zone)

B- Wind Sock

C – Upwind Dust Monitor

D – Downwind Dust Monitor

E- Stockpiled Soils

----> General direction of wind during

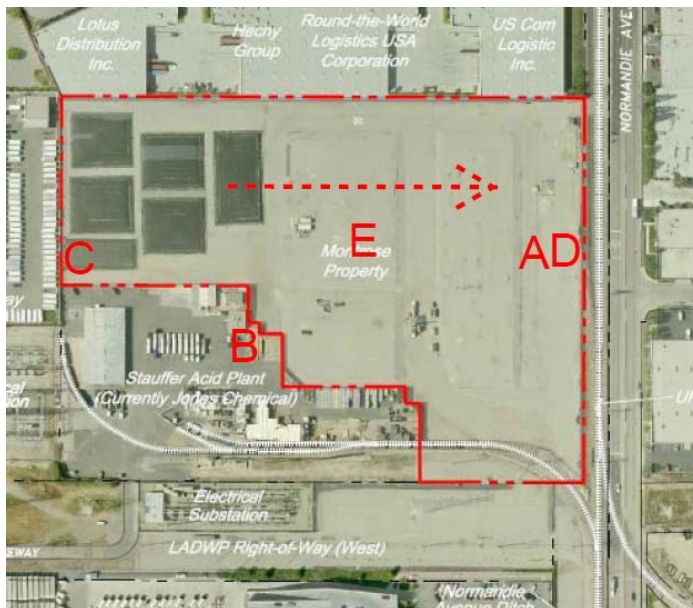




Figure 1: Water truck spraying fill pad to keep the soils conditioned for placement as engineered fill and for dust control. No dust observed.



Figure 2: Worker spraying water for dust control on soil material being removed from stockpile and loaded into dump truck for use as fill. No dust observed.



Figure 3: Pavement areas sprayed with water to control dust. No dust observed.