

US EPA ARCHIVE DOCUMENT

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

<b>NAME:</b> Christopher Waller / CH2M HILL	<b>DATE/TIME:</b> 04/24/2013 – 7:40 AM
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**WEATHER/WIND CONDITIONS:** Overcast, 61 °F, light wind blowing from south at approximately less than 5 mph.

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

- X Water as a dust suppressant.
- 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.
- X 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. – *Loader operating on a soil pile on side farthest from property line.*

**Observation of Dust Control Procedures:**

- Water truck actively wetting ground during visit
- All trenches and soil piles covered with plastic, except the current excavation area and the soil pile in the southwest portion of the site that was being worked on by a loader during visit.
- Worker periodically spraying excavation area with water from a hose
- Rumble strips (large, ribbed metal sheets) at entrance of site to reduce vehicle speed

Dust Measurement System (Locations on page 2):	(Measurement/Time Measured) <sup>1</sup>
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<b>Upwind</b>	Conc: 0.017 mg/m <sup>3</sup> ; TWA: 0.017 mg/m <sup>3</sup> / 8:00 AM
<b>Downwind</b>	Conc: 0.018 mg/m <sup>3</sup> ; TWA: 0.017 mg/m <sup>3</sup> / 7:50 AM
<b>Exclusion zone handheld</b>	Conc: 0.063 mg/m <sup>3</sup> / 7:45 AM

**Observation of Dust Measurement Procedures:**

- Two battery operated, continuous gross dust monitors
  - Upwind: ThermoElectron Corp. Model PDF100AN, Serial Number 6724
  - Downwind: ThermoElectron Corp. Model PDF100AN, Serial Number 6722
- Good documentation. Observed worker take readings from upwind, downwind, and exclusion zone monitors.

<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.

Attach photos



Excavation area. Taken facing southwest.

Mark on Figure below:

- A - Location of excavation (exclusion zone)
- B- Wind Sock - (on top of trailer)
- C – Upwind Dust Monitor
- D – Downwind Dust Monitor
- E- Stockpiled Soils
- > General direction of wind during visit

