

US EPA ARCHIVE DOCUMENT

MONTROSE – ON-SITE DUST CONTROL INSPECTION CHECK LIST

NAME: Christopher Waller / CH2M HILL	DATE/TIME: 04/26/2013 – 14:00
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WEATHER/WIND CONDITIONS: Sunny, clear skies, ~70 °F, wind blowing from the west at approximately 5-10 mph.

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

- Water as a dust suppressant. *Water truck present on site, did not observe it wet ground during visit, but there was evidence of use earlier in the day (puddles).*
- 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. – *Loader operating on a soil pile on side farthest from property line.*

Observation of Dust Control Procedures:

- 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.
- Rumble strips (large, ribbed metal sheets) at entrance of site to reduce vehicle speed

Dust Measurement System (Locations on page 2):	(Measurement/Time Measured) ¹
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Upwind	0.005 mg/m ³ / 13:30 (monitors were stored for the day at time of arrival, reading taken from dust monitoring log)
Downwind	0.005 mg/m ³ / 14:00 (monitors were stored for the day at time of arrival, reading taken from dust monitoring log)
Exclusion zone handheld	0.007 mg/m ³ / 14:00

Observation of Dust Measurement Procedures:

- Two battery operated, continuous gross dust monitors were being put away as I arrived.
- Good documentation. Observed worker log that included upwind, downwind, and exclusion zone monitor readings from the entire day.

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

