

US EPA ARCHIVE DOCUMENT

MONTROSE – ONSITE DUST CONTROL INSPECTION CHECK LIST

NAME: NATHANIEL SUMMERVILLE	DATE/TIME: 6-25-2013 11:20 AM
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WEATHER/WIND CONDITIONS: OVERCAST WITH SLIGHT EASTWARD BREEZE, COOL, ~68 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 HDPE hydrotesting at the Waste Management site where injection wells are located. No soil disturbing activities were observed onsite while the test was being performed. The stockpiles were covered, and the ground was moist. A water truck was available onsite but not in use. The fence separating the site from the sidewalk was fully covered in plastic and weighed down with sand bags to prevent dust leaving the site. At the end of the test just before leaving, the crew was preparing to begin backfilling the trenches, and a worker was preparing to monitor dust levels.

When checking in and out at the main Montrose site trailer, excavation and grading activities were observed. In the morning, a water truck was watering down the excavation area. A worker was hosing down a loader as it moved dirt. The stock pile was well away from the edge of property and completely covered. The soils were moist, and no dust was observed. 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) ¹
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Upwind	-
Downwind	0.003 mg/m ³ 11:00 AM
Exclusion zone handheld	0.021 and 0.019 mg/m ³ 11:00 AM

Observation of Dust Measurement Procedures:

Dust monitors were set up at the West fence line at the upwind project side and just east of the trench activities at the downwind side. Measurements from the monitors were logged by Tom Peterson. Measurements within the exclusion zone were taken by a hand-held device and logged as well. A baseline upwind measurement was taken at the beginning of the day. However, because the downwind measurement was so low, an upwind measurement was not recorded at 11:00 AM.

The wind was not strong enough to affect the wind sock in the center of the site. The wind direction was determined from a flag on the property to the south.

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

C - Upwind Dust Monitor

D - Downwind Dust Monitor

E - Stockpiled Soils

----> General direction of wind during

