

# MONTROSE – ON-SITE DUST CONTROL INSPECTION CHECK LIST

**NAME:** *Yarissa Martinez*

**DATE/TIME:** *April 5, 2013 - 9:30am-11:15am*

**WEATHER/WIND CONDITIONS:** *68°F - Overcast Conditions with wind slightly blowing southwest (less than 5 mi/hr)*

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

- Water as a dust suppressant. \*\*\* I did see the water truck and the soils damped \*\*\*
- 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:**

All trenches and excavated soils are covered, with the exception of the current cell being used and the trench being worked on.

Two battery-operated mounted in tripods air monitoring stations are placed at upwind and downwind directions respectively. Also, a handheld air monitoring device is used when workers are either excavating or working in the trenches.

Dust Measurement System (Locations on page 2):	(Measurement/Time Measured) <sup>1</sup>
<b>Upwind</b>	Conc 0.011 mg/m <sup>3</sup> TWA 0.012 mg/m <sup>3</sup> @ 10:45am
<b>Downwind</b>	Conc 0.009 mg/m <sup>3</sup> TWA 0.017 mg/m <sup>3</sup> @ 10:55am
<b>Exclusion zone handheld</b>	This was not being used when I was collecting the data. However I did see him use it before I left.

**Observations:**

Good documentation practices. I was able to verify all previous upwind/downwind/handheld monitoring results, which were mostly negative numbers. Also, they had a complete file including the calibration logs.

Upwind Equipment Used : Ashtead Technologies Rentals ThermoScientific Model PDR 1000AN Serial No. 6724

Downwind Equipment Used : Ashtead Technologies Rentals ThermoScientific Model PDR 1000AN Serial No. 6722

<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 (see file

Mark on Figure below:

**A - Location of excavation (exclusion zone) - (current excavation)**

**B- Wind Sock (on top of trailer)**

**C – Upwind Dust Monitor**

**D – Downwind Dust Monitor**

**E- Stockpiled Soils (dirty soil)**

**----> General direction of wind during**

