

B&T Metals Superfund Site – Gering, Nebraska
VIPER Data Weekly Summary
6/17/2020 – 6/21/2020

Air Monitoring Summary – Week #1

The tables and figures below summarize monitoring data collected using EPA's Viper remote monitoring system.

Background: Three (3) DustTrack air monitors were set up on work area property to monitor dust particles in the area during removal activities. Every morning DustTracks are cleaned and calibrated before being placed on site. The DustTracks are set up at three locations: 1) at the gate, near the entrance to the property to monitor the levels of dust leaving the site in the direction of the adjacent residential neighborhood, 2) on the east end of the property in the field near the tree line, and 3) at the west end of the property near the warehouse/railroad tracks. Wind direction is checked and recorded every morning. At the end of each day, DustTracks are taken down, cleaned and the batteries charged.

The following Figure provides a summary and Tables are records of daily particulate level readings. If any reading is above the action level of $150 \mu\text{g}/\text{m}^3$ downwind or near the residential neighborhood removal activities are halted or adjusted in order to control fugitive dusts.

Table 1. Summary of DustTrak Data for Week #1

Instrument	Location	Analyte	Action Level ($\mu\text{g}/\text{m}^3$)	Number of Readings	Number of Action Level Exceedances	Concentration Range ($\mu\text{g}/\text{m}^3$)	Period Average ($\mu\text{g}/\text{m}^3$)
DustTrak 1	Adjacent to residential neighborhood	PM-10	150	1,675	0	0-47	18.73
DustTrak 2	Eastern property boundary			2,034	0	0-86	8.47
DustTrak 3	Western property boundary			2,040	0	0-98	2.99

Figure 1. DustTrak #1 – Daily Concentration Summary

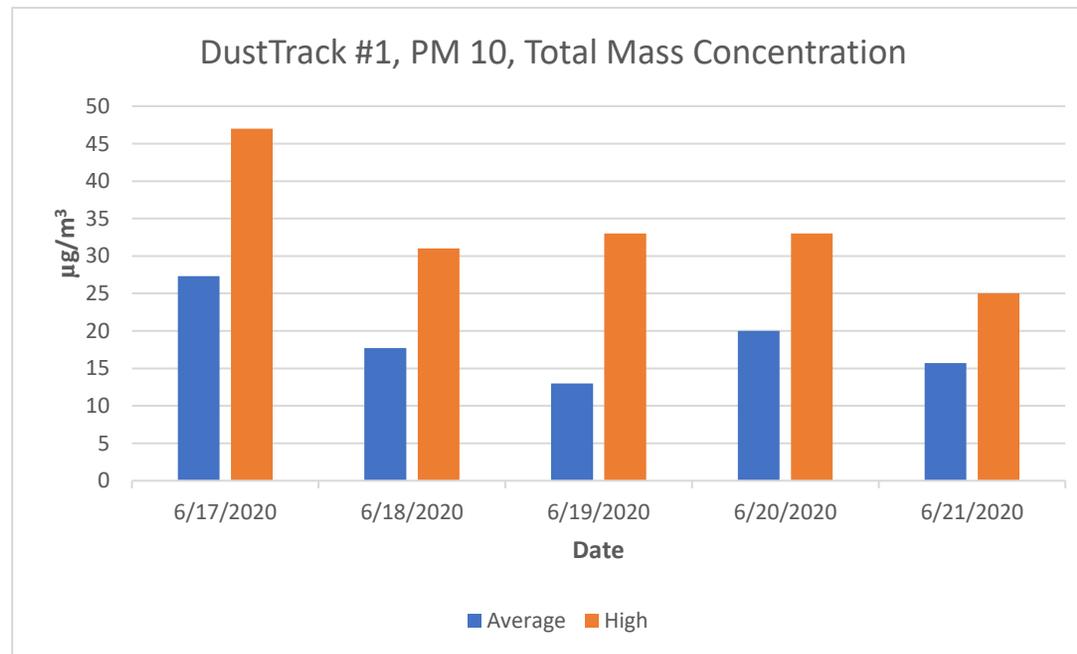


Figure 2. DustTrak #2 - Daily Concentration Summary

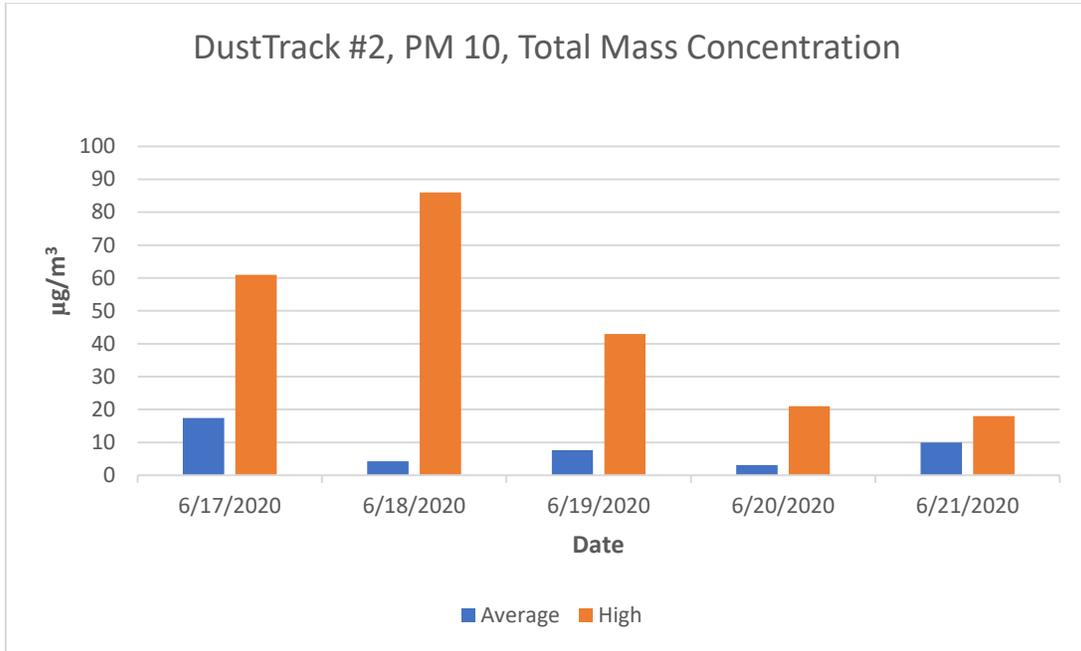


Figure 3. DustTrak #3 – Daily Concentration Summary

