



June 14, 2023

Ms. Maureen Hatfield, P.G.

Texas Commission on Environmental Quality
MC-127
VCP-CA Section, Team 1, Remediation Division
P.O. Box 13087
Austin, Texas 78711-3087

**RE: WEEKLY STATUS UPDATE – ENGLEWOOD YARD NORTH BYPASS PROJECT
UNION PACIFIC RAILROAD HOUSTON WOOD PRESERVING WORKS SITE
4910 LIBERTY ROAD FACILITY, HOUSTON, TEXAS
POST-CLOSURE CARE PERMIT NO. 50343, INDUSTRIAL SWR NO. 31547**

Dear Ms. Hatfield:

WSP USA Inc. (WSP), on behalf of Union Pacific Railroad (UPRR), prepared this weekly status update for the Englewood Yard North By-Pass Project (the Project) that includes areas of construction within the UPRR Houston Wood Preserving Works (HWPW) site (the Site) (Post-Closure Care Permit No. 50343) located at 4910 Liberty Road, Houston, Texas. Below is a summary of the Project activities conducted at the Site for the reporting period:

Week Period: *June 5 through 11, 2023*

Construction activities performed during this reporting period involved trenching within the HWPW Site to install the Signal line housing near the Lockwood Drive bridge.

Dust Control and Air Monitoring

IHST conducted real time air and dust monitoring at the Site in accordance with the Air Monitoring Plan (July 8, 2021), and the results for this period are provided in **Attachment A**. There were no events where PM 2.5 and PM 10 readings increased above the Take-Action Level or Stop-Work Level during the monitoring period.

Soil Management

Approximately 1 CY of soil was generated during trenching activities located near the Lockwood Drive bridge within the Railroad Ballast Cap but outside of the former wood treating operations at the Site. Soils were initially contained in a front-end loader and deposited into lined roll-off containers with secondary containment. The roll-offs are staged at the HWPW Container Storage Area (CSA) pending characterization, profiling, and disposal.

Stormwater

There was no rainfall during this reporting period that resulted in management of stormwater within the Project Area withing the Site.

There are no planned Construction Activities for the period between **June 12 through June 18, 2023.**

Dust Control and Air Monitoring

Air monitoring per the approved Air Monitoring Plan (July 8, 2021) will continue to be conducted as soil excavation activities are taking place.

Soil Management

Managing excavated soils, in the event excavated soils are generated, within the Site will follow the approved Soil Management Plan (SMP).

Stormwater Management

Stormwater management, in the event of rainfall in the area, per the approved Storm Water Pollution Prevention Plan (SWPPP) will be conducted.

If you have any questions or need additional information, please feel free to contact Mr. Kevin Peterburs of UPRR at (414) 267-4164.

Sincerely,

WSP USA Inc.



Anthony Reid, P.G.
Sr. Consultant Geologist



Eric Matzner, P.G.
Vice President / Director Hydrogeologist

ATTACHMENT A

Weekly Report of Air Monitoring



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Weekly Report of Air Monitoring

Union Pacific Railroad North Bypass Construction Project

Former Houston Wood Preserving Works Site
Houston, TX

For Period from 2023-06-05 to 2023-06-11

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Summary Results of Daily Dust Monitoring

This section provides overall summary results for perimeter dust monitoring conducted during the week specified. Dust monitoring results include the average PM 2.5 and PM 10 monitoring results over the sample period at each sample location for each day. Each day's summary provides also includes a description of the work activities performed that day, and any items, issues or occurrences of note.

The 24-hour USEPA National Ambient Air Quality Standard (NAAQS) for PM 2.5 particulate matter is 35 ug/m³, and 150 ug/m³ for PM 10 particulate matter. The Texas Department of Environmental Quality (TCEQ) has adopted these values. UPRR has established dust control levels for railroad construction activities to help ensure that particulate levels do not exceed the 24-hour NAAQS as a result of construction activities.

Overall averages provided are for the sample period specified by the start and stop times. Unless otherwise specified, the sample periods are inclusive of all potentially significant dust generating activities.

Location of air sampling stations are consistent the Dust Control and Air Monitoring Plan dated 7/8/2021 and approved by the Texas Commission on Environmental Quality (TCEQ). Minor variations in station placement may occur, based on work activities, environmental factors, observed patterns of dust dispersion and practical constraints.

Notes: Excavation work associated with the capped area occurred only on Wednesday, June 7 of this week. Air monitoring data is provided for this day.

PM 2.5 and PM 10 Daily Summary Results

Sample Date

Jun 7, 2023

Description of Work Performed

Work for the day included completion of an 8 foot signal line trench, using a backhoe for excavation and re-burying. Work was conducted on the south side of the tracks, near the Lockwood overpass. Work hours for the day were from approximately 09:00 – 16:40.

Overview Map of Daily Sample Locations



Station ID	Location Description	Start	Stop	Latitude	Longitude	Overall Average PM 2.5	Overall Average PM 10
AMS-01	HWPW - Erastus	08:58	16:48	29.78752	-95.31665	12 ug/m3	26.4 ug/m3
AMS-05b	Lockwood Overpass	09:04	16:44	29.78787	-95.31597	11.1 ug/m3	25.3 ug/m3
AMS-08b	IMY SE - Fontinot	09:16	16:34	29.78209	-95.31764	10.4 ug/m3	22.5 ug/m3
AMS-10b	IMY E – Intermodal Entry	09:10	16:36	29.78718	-95.31576	10.7 ug/m3	22.9 ug/m3

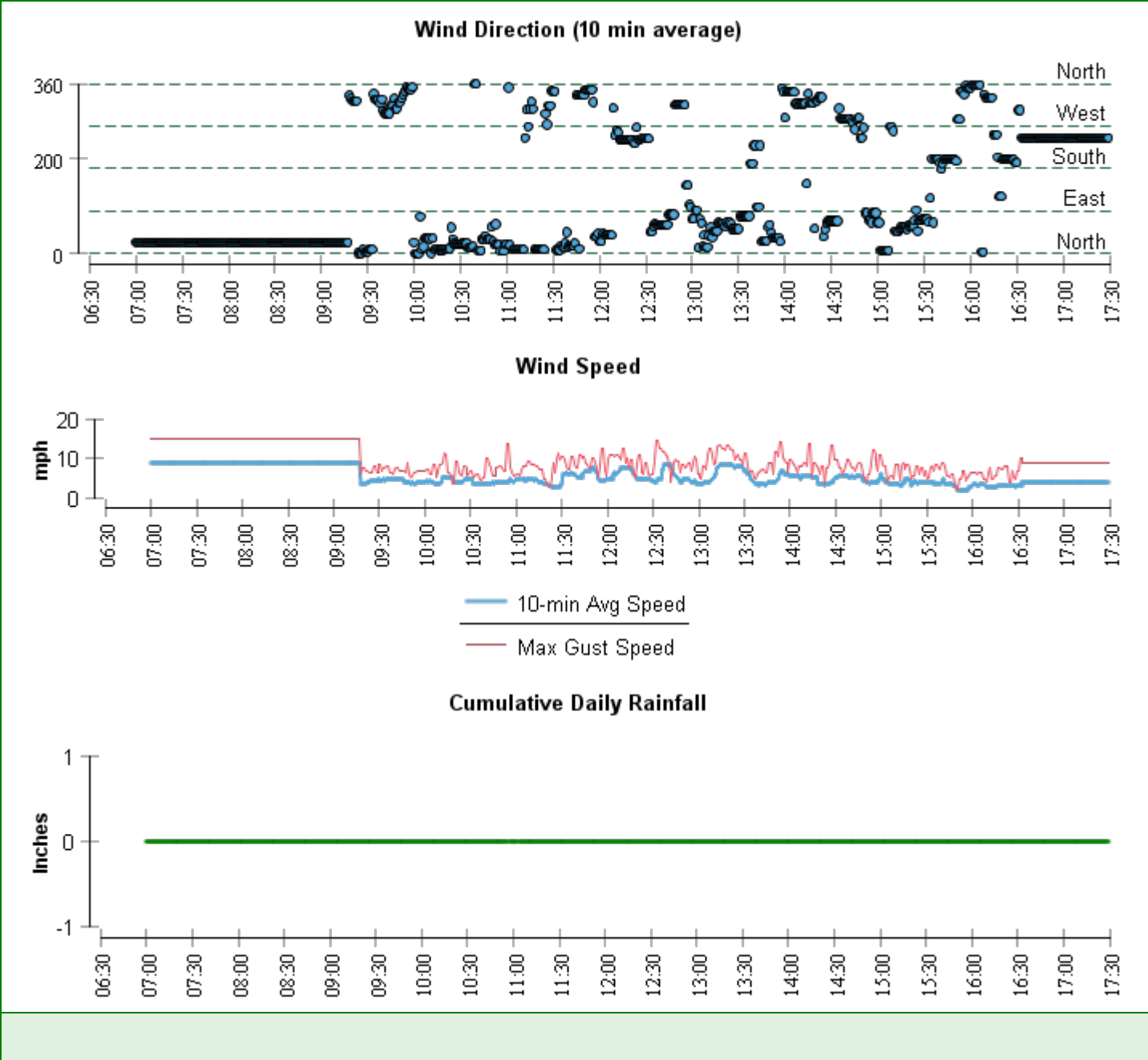
Note: All work was conducted in a single location near the Lockwood overpass. Stations were deployed immediately adjacent to the work, and on the SE corner of the intermodal yard.

Summary Results of Daily Weather Conditions

This section provides charts showing wind speed, wind direction and rainfall during each day of sampling during the specified week.

Weather Time History Data

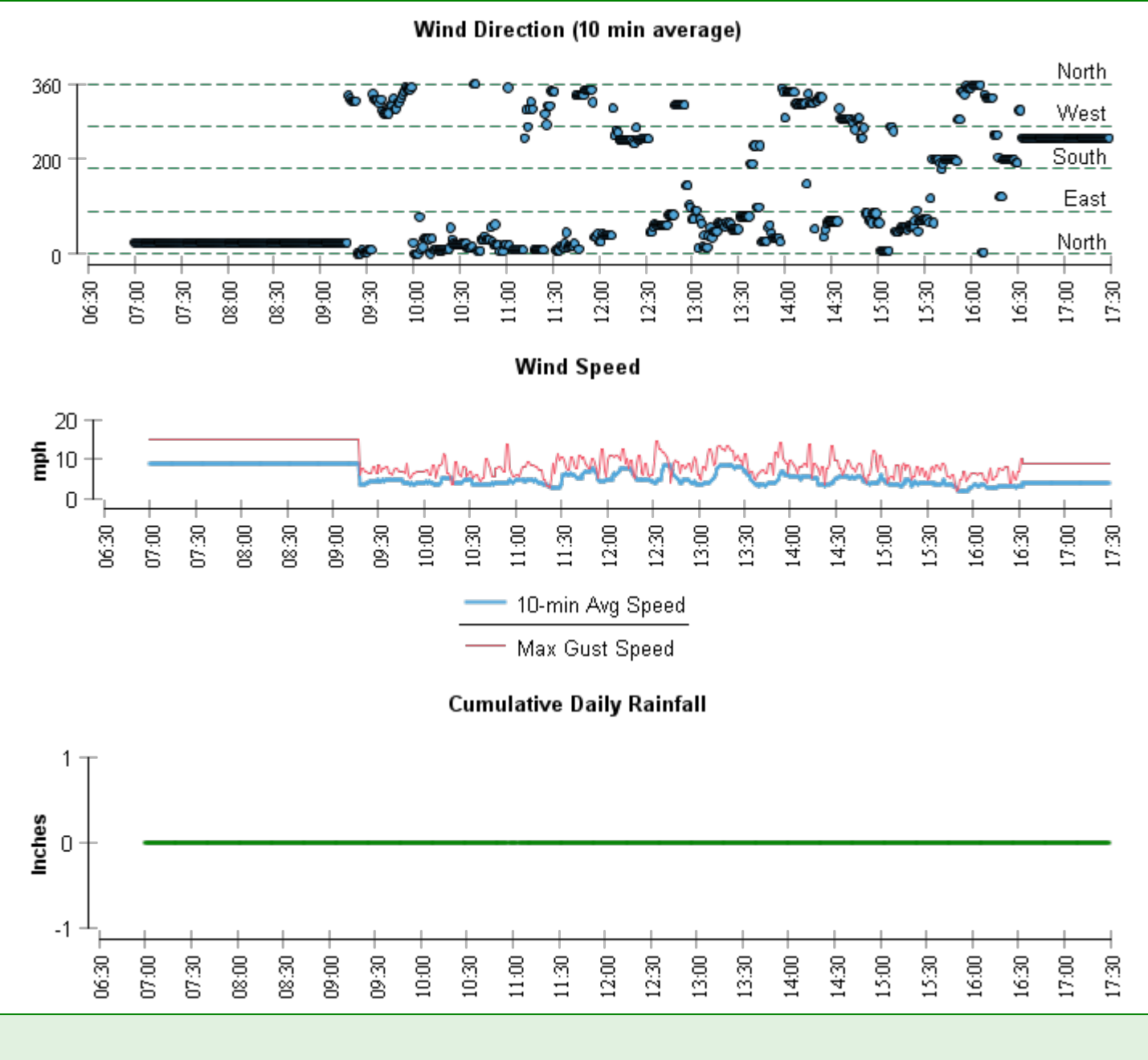
Sample Date Jun 7, 2023



Daily Time History Detail for PM 2.5 and PM 10 Dust Levels

Weather Time History Data

Sample Date Jun 7, 2023

**Daily Time History Detail for PM 2.5 and PM 10 Dust Levels**

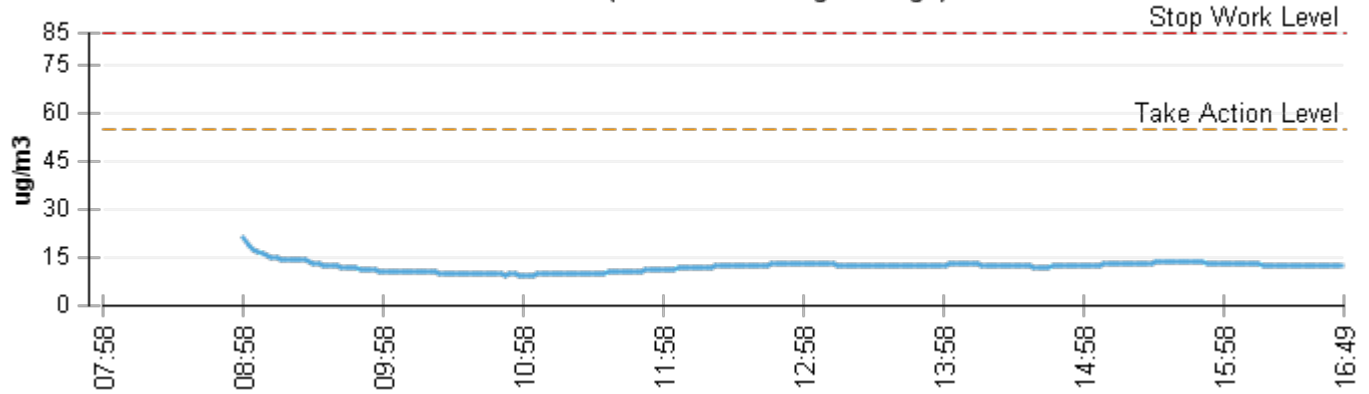
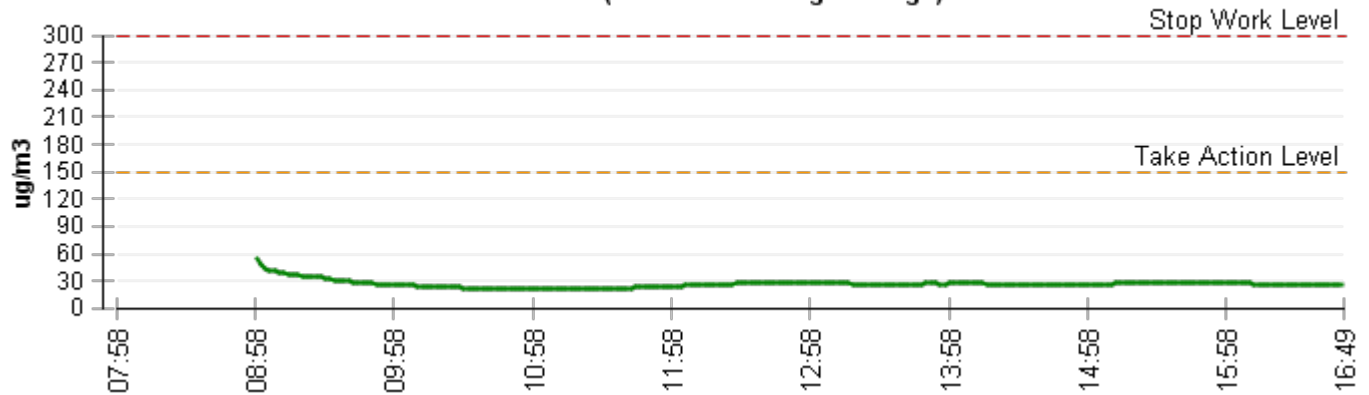
This section provides charts showing the rolling thirty-minute average concentrations of PM 2.5 and PM 10 particulates measured at each location on each sample day during the specified week.

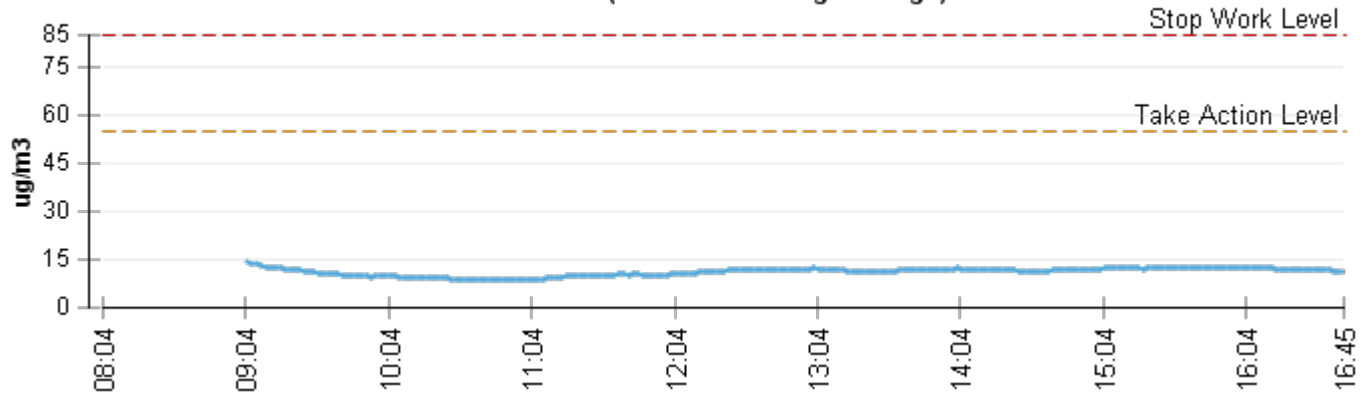
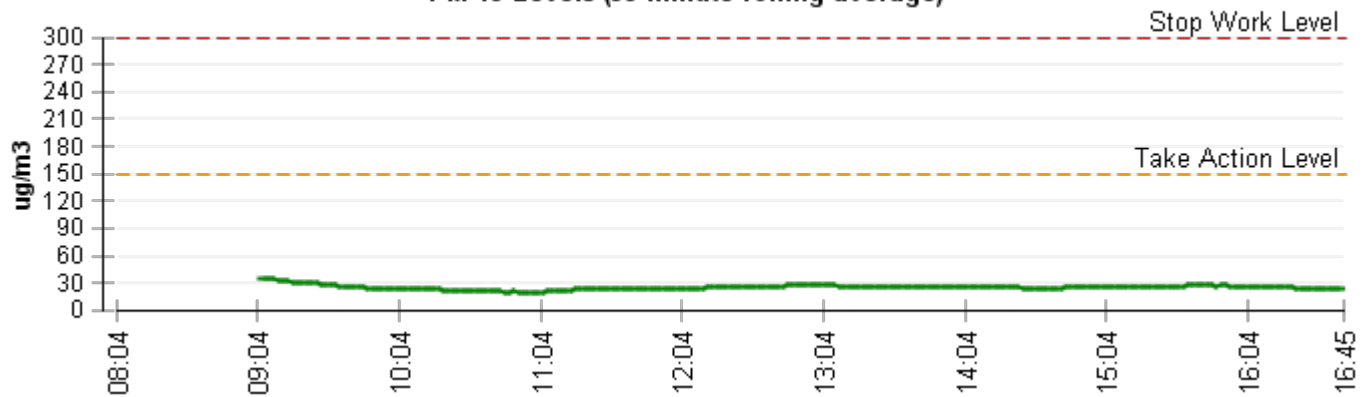
PM 2.5 and PM 10 airborne particulate levels are measured every two minutes during the active sampling period. The charts track the average particulate concentrations over the past 30 minutes at the time of the measurement.

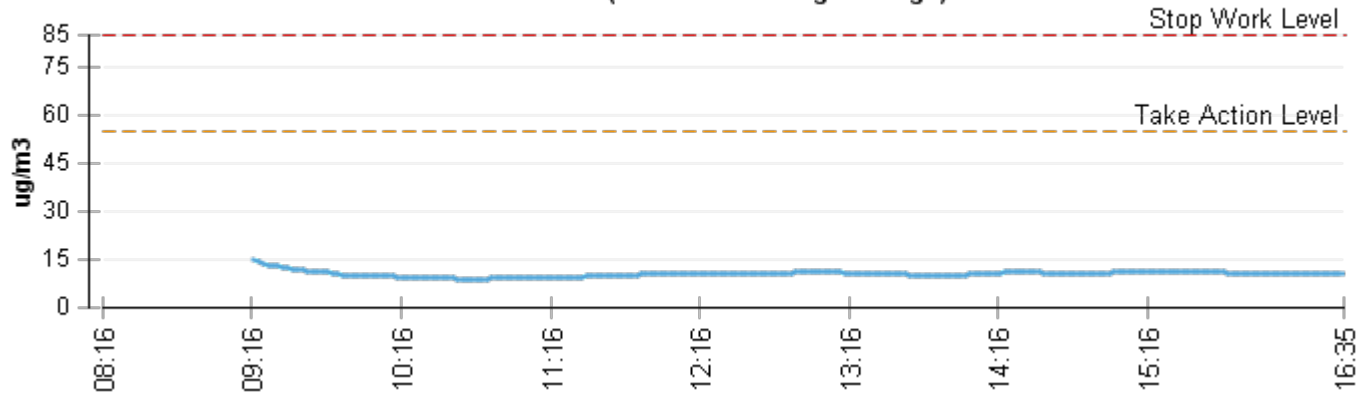
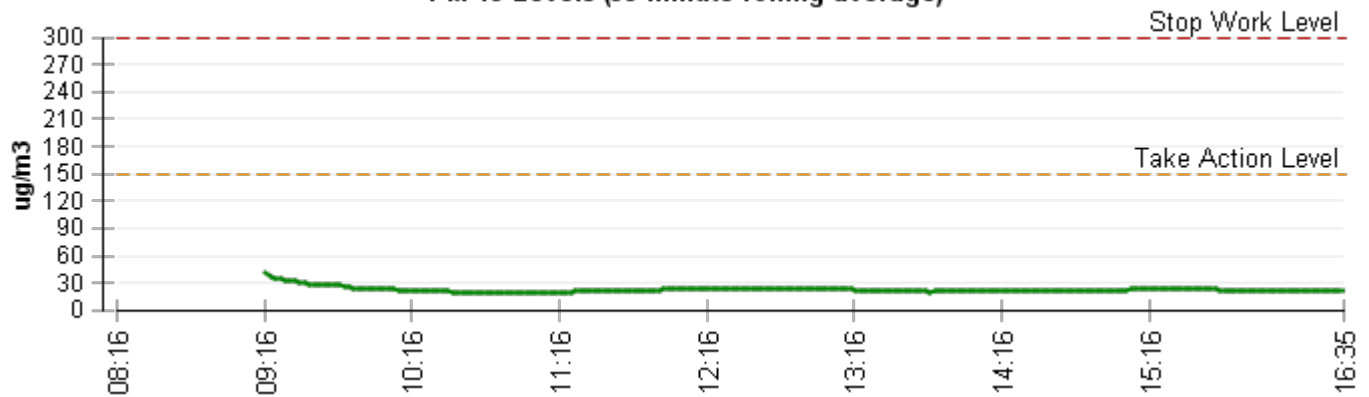
Union Pacific Railroad (UPRR) has established control levels for airborne particulates to help ensure that construction-related dust levels are adequately controlled. These levels are explained as follows:

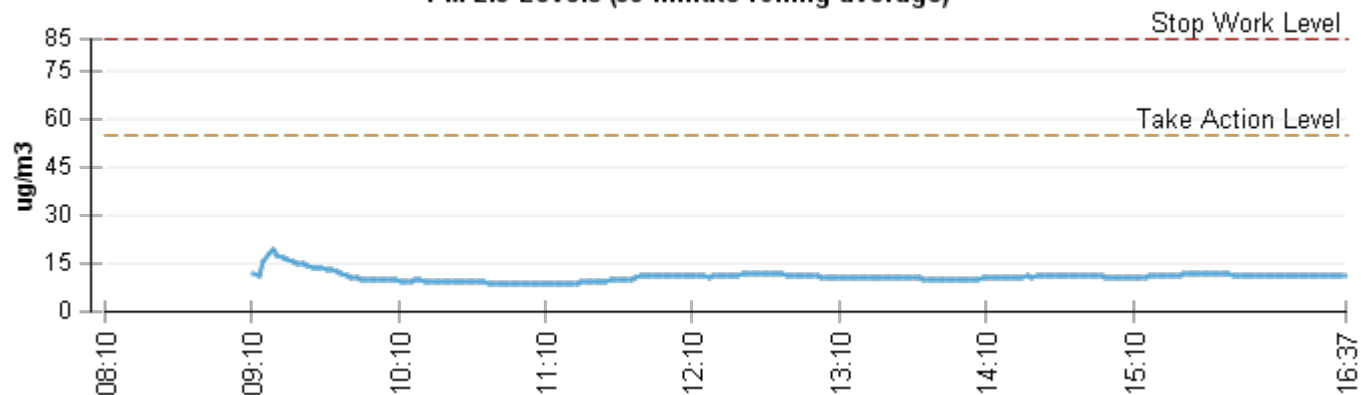
- Take-Action Level - 30-minute average dust concentrations $>55 \text{ ug/m}^3$ (PM 2.5) or $>150 \text{ ug/m}^3$ (PM 10)
Additional dust control measures, as outlined in the site dust control plan, will be promptly implemented to reduce levels below the Take-Action Level.
- Stop-Work Level - 30-minute average dust concentrations $>85 \text{ ug/m}^3$ (PM 2.5) or $>300 \text{ ug/m}^3$ (PM 10)
Work will be stopped immediately, as outlined in the site dust control plan, and UPRR will evaluate dust control measures. Work will not resume until UPRR has implemented additional controls that will effectively prevent generation of dust levels above the Stop-Work Level.

Air monitoring stations may exhibit higher than actual readings during the first 5 - 10 minutes after startup, before the instrumentation has fully warmed up. This is a known and expected behavior of the instrumentation.

PM 2.5 and PM 10 Time History Data**Sample Date** Jun 7, 2023**Station ID** AMS-01
Location Description 29.78752, -95.31665 - HWPW - Erastus**PM 2.5 Levels (30-minute rolling average)****PM 10 Levels (30-minute rolling average)**

PM 2.5 and PM 10 Time History Data**Sample Date** Jun 7, 2023**Station ID** AMS-05b
Location Description 29.78787, -95.31597 – Lockwood Overpass**PM 2.5 Levels (30-minute rolling average)****PM 10 Levels (30-minute rolling average)**

PM 2.5 and PM 10 Time History Data**Sample Date** Jun 7, 2023**Station ID** AMS-08b
Location Description 29.78209, -95.31764 - IMY SE - Fontinot**PM 2.5 Levels (30-minute rolling average)****PM 10 Levels (30-minute rolling average)**

PM 2.5 and PM 10 Time History Data**Sample Date** Jun 7, 2023**Station ID** AMS-10b
Location Description 29.78718, -95.31576 – IMY E – Intermodal Entry**PM 2.5 Levels (30-minute rolling average)****PM 10 Levels (30-minute rolling average)**