



Wood Environment & Infrastructure Solutions, Inc  
 200 American Metro Blvd., Suite 113  
 Hamilton, NJ 08619  
 Phone: (609) 689-2829 Fax: (609) 689-2838

## LETTER OF TRANSMITTAL

<b>TO:</b> Allan Williams Highland Park Environmental Commission  <b>FROM:</b> John Poserina, Project Manager	<b>DATE:</b> 10/09/2018  <b>PROJECT NO.:</b> 3480180606 <b>PROJ. NAME:</b> Honeywell Highland Park <b>SUBJECT:</b> Construction Air Monitoring Data for week of 091718 to 092118 Former Midland Ross Facility, SRP PI#018773 Highland Park, New Jersey
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WE TRANSMIT TO YOU:       HEREWITH       UNDER SEPARATE COVER

**SUBJECT:**

- DRAWINGS
- SPECIFICATIONS
- CALCULATIONS
- REPORT
- COST ESTIMATE
- AS NOTED

**ACTION:**

- FOR YOUR INFORMATION
- FOR YOUR COMMENT OR APPROVAL
- RETURNED FOR CORRECTION: RESUBMIT
- APPROVED AS NOTED
- AS REQUESTED

**SENT BY:**

- MAIL
- CERTIFIED MAIL
- EXPRESS **Federal Express**
- COURIER
- HAND DELIVERED
- FACSIMILE:

30 pages (including transmittal sheet)

COPIES	DATE	DESCRIPTION
1	09/21/18	Construction Air Monitoring Data

**REMARKS:**

The following data package includes the following from the week of 091718 to 092118

- Map displaying Air Monitoring Station locations
- Dust Monitoring Results
- Laboratory Air Sample Results

Note: No work conducted on 091918 (Yom Kippur). Sample results for PAHs are not provided due to laboratory error. The sample was spiked in error with LCS spike and the analysis of the sample has been canceled.

**CC:** Maria Kaouris - Honeywell  
Jorge Berkowitz, Ph.D, LSRP - Langan  
Kay Licausi  
 \_\_\_\_\_  
 \_\_\_\_\_

**By:** John Poserina, P.E.

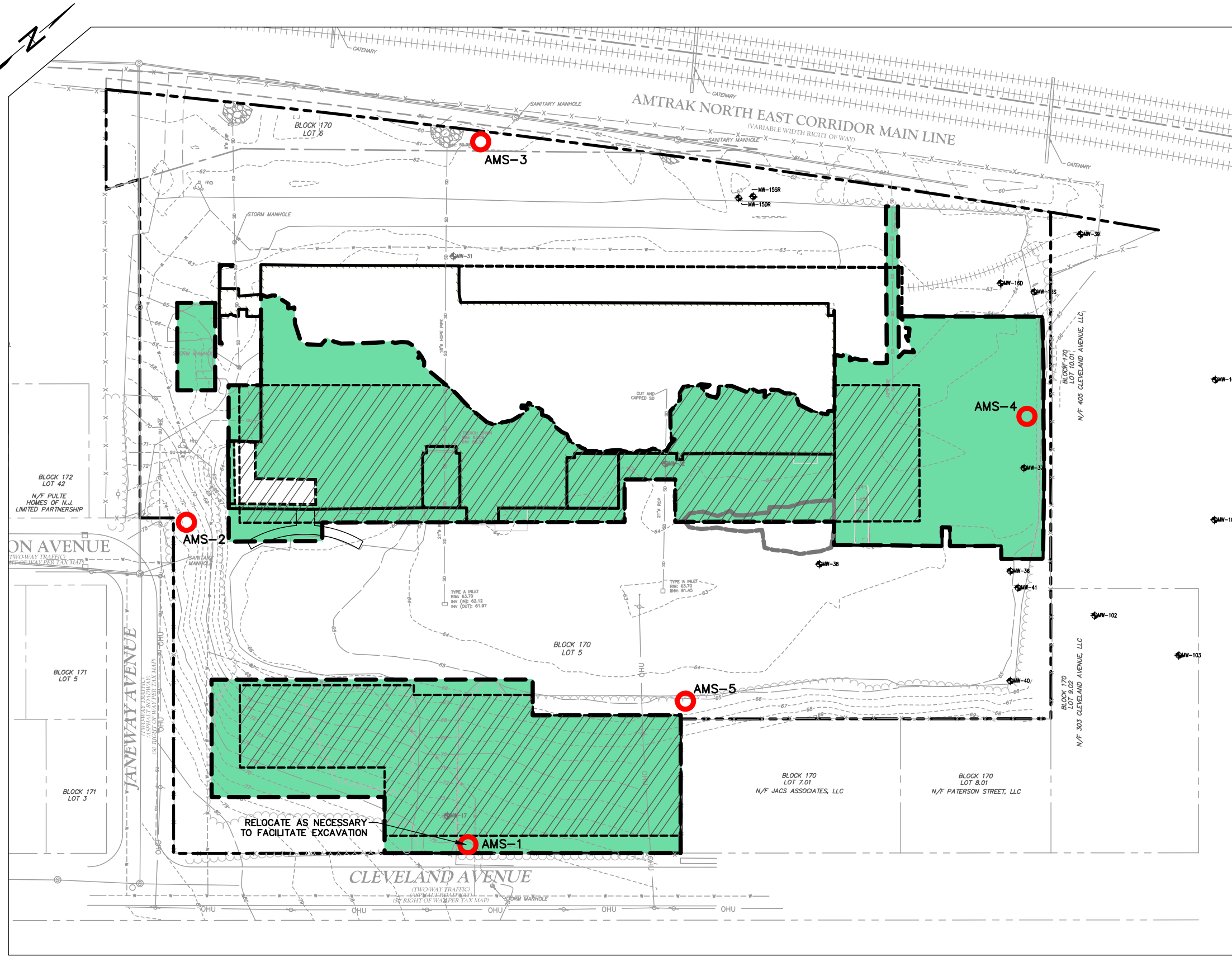
Direct Phone: (609) 631-2923

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If transmission is not received in good order, please call Project Coordinator at (610) 828-8100.

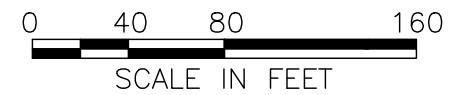
# **AIR MONITORING STATION LOCATIONS**

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**LEGEND:**

- PROPERTY BOUNDARY (FORMER MIDLAND-ROSS FACILITY)
- PROPOSED EXCAVATION AREA (AOC MR-8)
- FORMER JANEWAY-CARPENTER BUILDING CONCRETE SLAB REMOVAL AREA
- AMS-1 PROPOSED AIR MONITORING STATION LOCATION



SOURCE MAP REFERENCE:  
DRAWING TITLED "TOPOGRAPHIC SURVEY, BLOCK 170, LOTS 5 & 6, BOROUGH OF HIGHLAND PARK, COUNTY OF MIDDLESEX, STATE OF NEW JERSEY" DATED 1/9/2017 BY MASER CONSULTING P.A., MOUNT ARLINGTON, NEW JERSEY, PROJECT NUMBER 16001990A

REV.	DATE	STATUS	PRPD BY	CHKD BY

WOOD PROJECT No. 3480170577  
DRAWING: 3480170577-5200-RA00-0000

PREPARED/DATE:  
VMW 09/29/17

CHECKED/DATE:  
US 09/29/17

**wood.**

**ENVIRONMENT & INFRASTRUCTURE SOLUTIONS**  
200 AMERICAN METRO BLVD, SUITE 113  
HAMILTON, NEW JERSEY 08619

**FIGURE 1**  
PROPOSED PERIMETER AIR MONITORING STATION LOCATION  
HONEYWELL - FORMER MIDLAND-ROSS SITE  
HIGHLAND PARK, NEW JERSEY

**QUICK REFERENCE ACTION RESPONSE  
TABLE FROM PERIMETER AIR  
MONITORING PLAN**

Quick Reference Action Response Plan  
Former Midland Ross Facility  
Highland Park, NJ

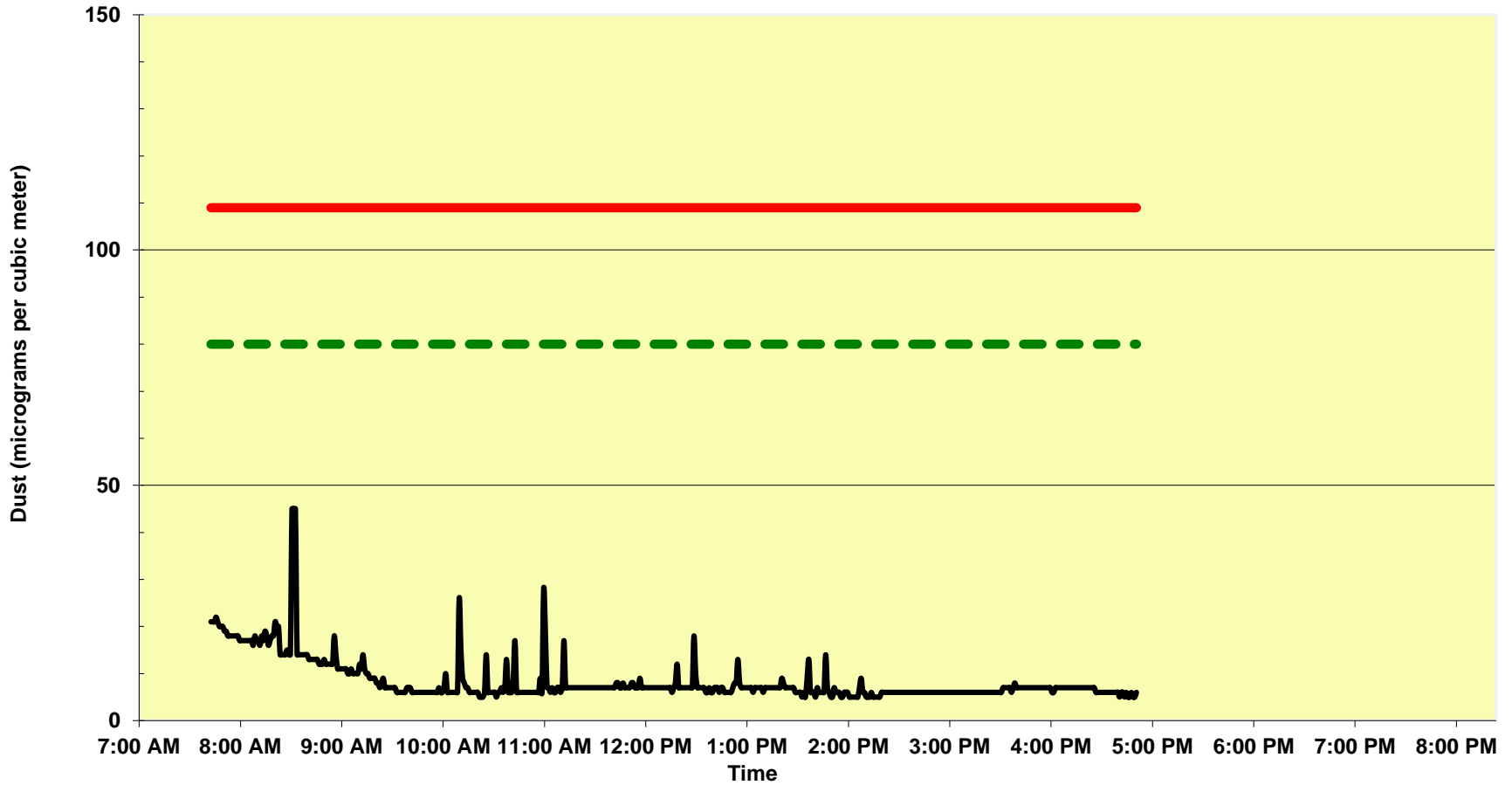
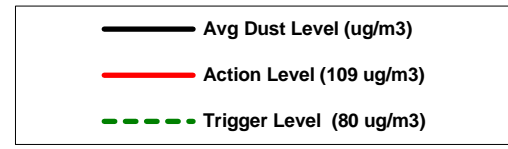
**Quick Reference Action Response Plan**

Acute Dust <sub>PM-10</sub> Action Level	Action/Procedure
≥ 109 ug/m <sup>3</sup> + Background (duration of <b>less</b> than 5 minutes)	<ul style="list-style-type: none"> <li>• The PAMPT will observe PM-10 concentrations at the location of the exceedance. Make notification to SHSO. The PAMT and SHSO will attempt to identify the source of the PM-10 emissions. The SHSO will make preparations to address the source.</li> <li>• Continue to observe PM-10 emissions.</li> </ul>
≥ 109 ug/m <sup>3</sup> + Background (duration of <b>more</b> than 5 minutes)	<ul style="list-style-type: none"> <li>• Document the time and PM-10 level within the air monitoring log or field log book. Prepare to collect confirmatory sample.</li> <li>• Implement use of engineering control measures if PM is sustained above 109 ug/m<sup>3</sup> for more than 5 minutes.</li> <li>• Continue to observe PM-10 emissions.</li> </ul>
≥ 109 ug/m <sup>3</sup> + Background (duration of <b>more</b> than 15 minutes)	<ul style="list-style-type: none"> <li>• Cease intrusive activities. Document the time and PM-10 level within the air monitoring log or field log book.</li> <li>• Collect confirmatory sample.</li> <li>• Re-evaluate work procedures and amend as appropriate. Continue monitoring and engineering control measures.</li> <li>• When PM-10 concentration falls below the Action Level (15 minute TWA), work may resume.</li> </ul>
Visible dust	<ul style="list-style-type: none"> <li>• Implement dust suppression measures (discretion of the PAMT).</li> </ul>

## **CONSTRUCTION AIR MONITORING DATA**

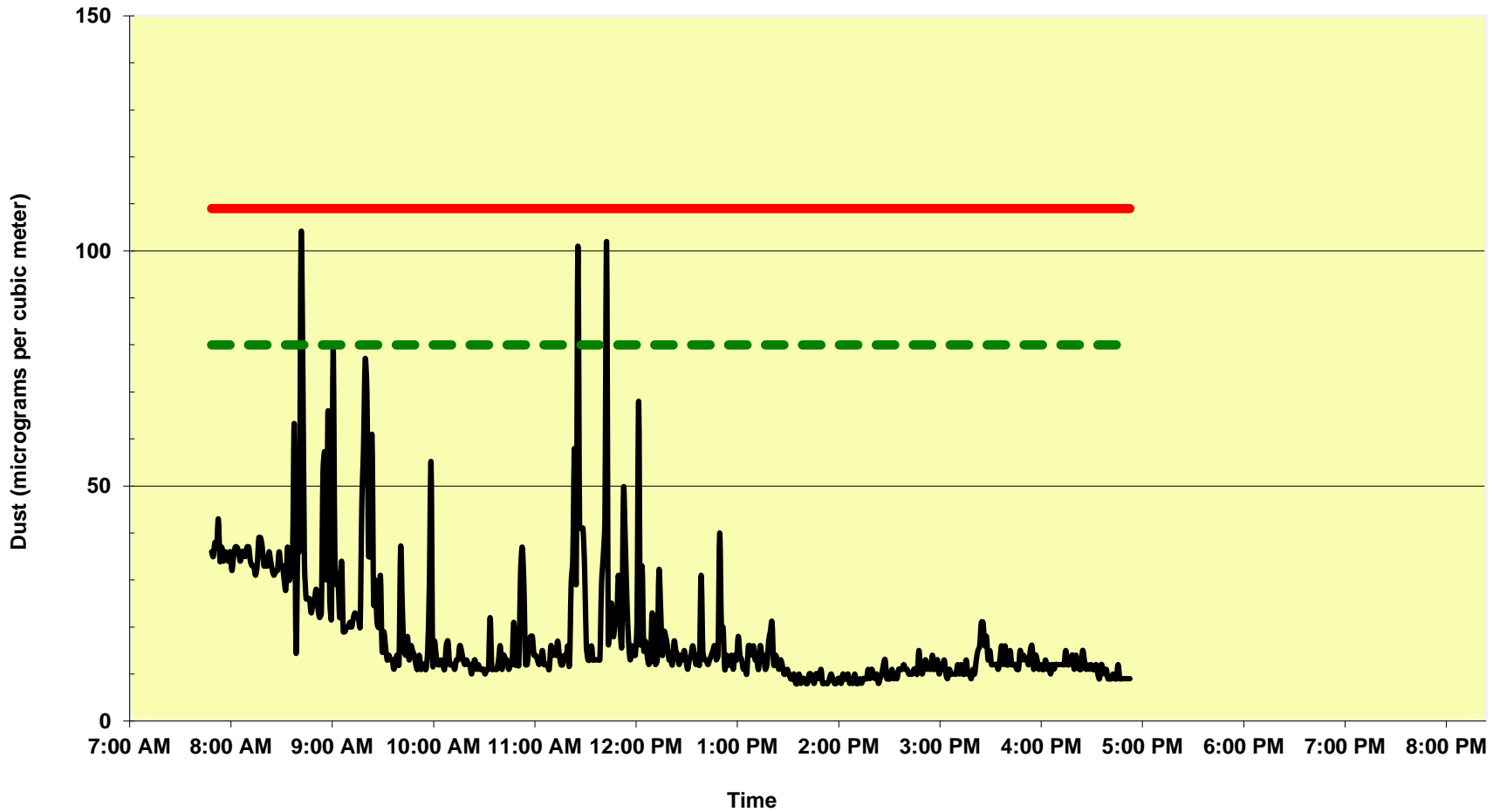
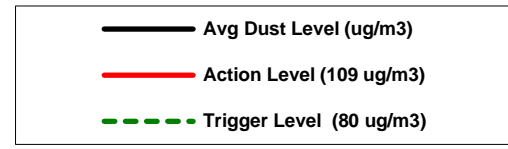
**Former Midland-Ross Site  
Highland Park, New Jersey  
Dust Monitoring Results  
Air Monitor 1 9/17/2018**

**Air Monitoring Results**



**Former Midland-Ross Site  
Highland Park, New Jersey  
Dust Monitoring Results  
Air Monitor 2 9/17/2018**

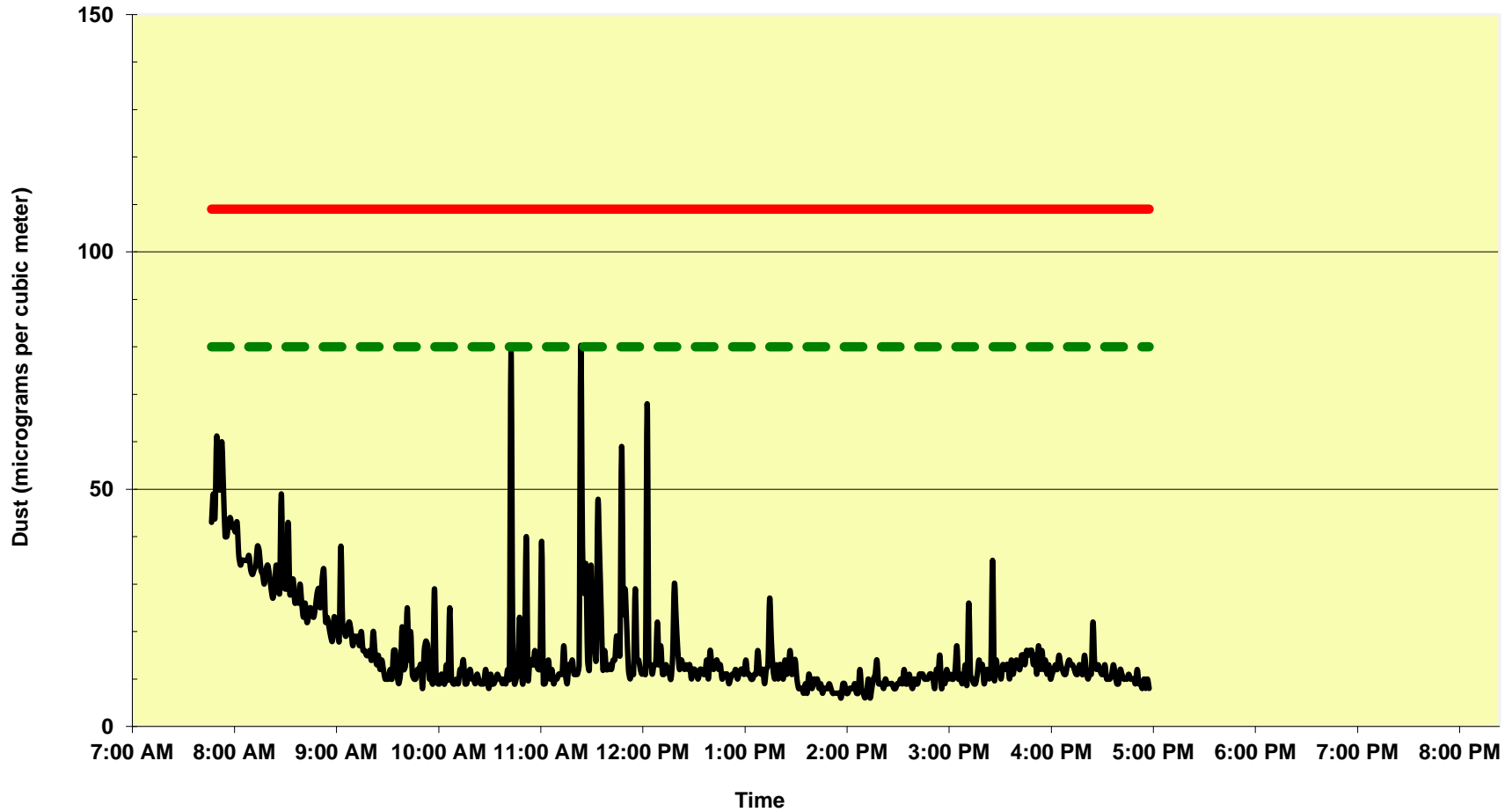
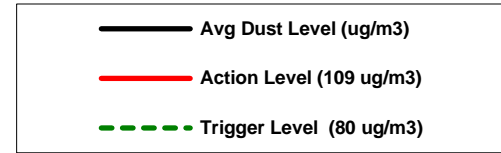
**Air Monitoring Results**





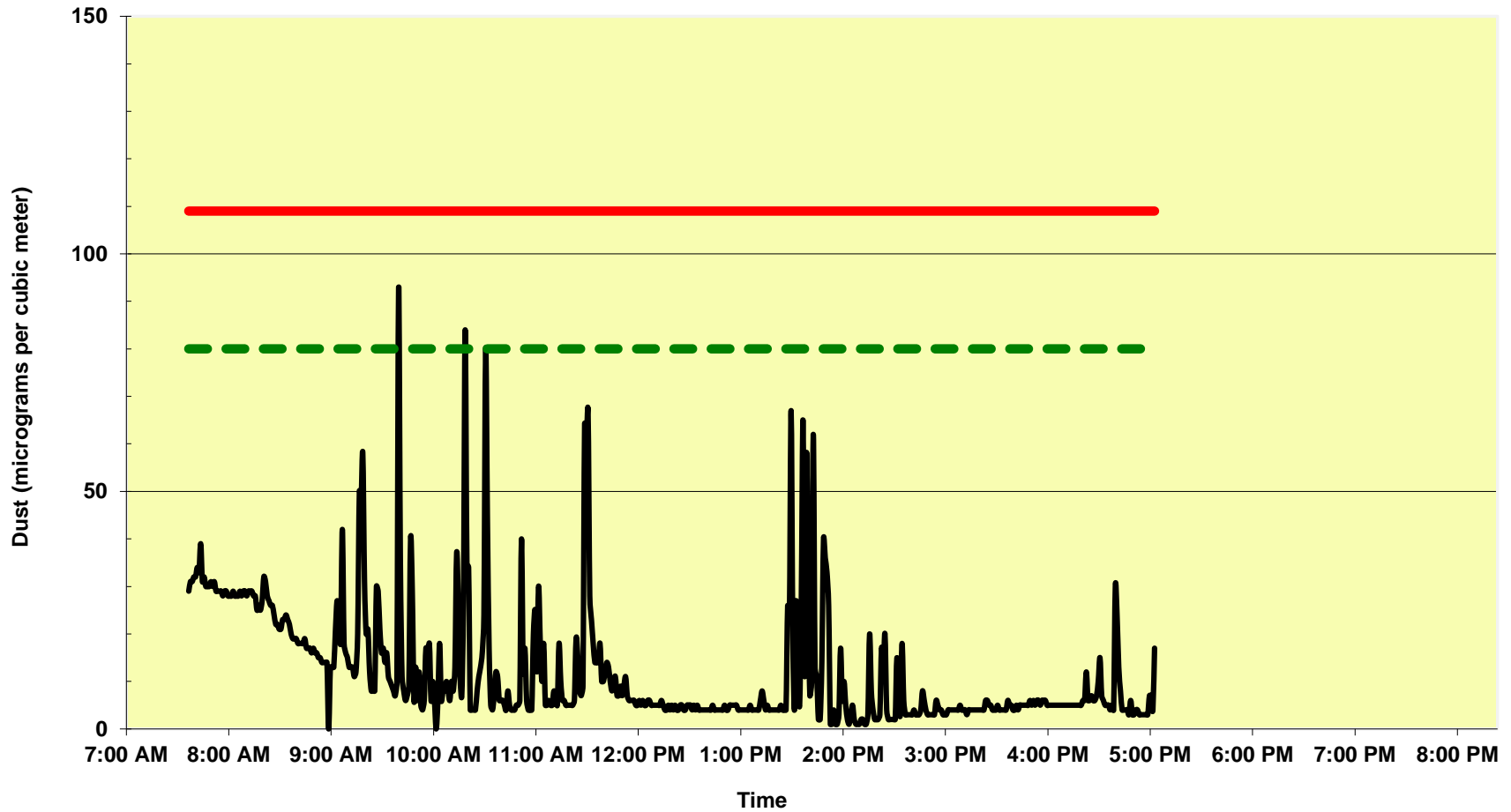
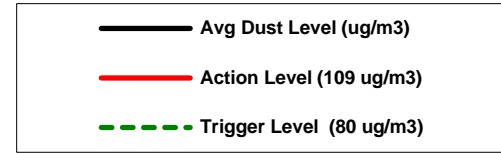
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**Air Monitoring Results**



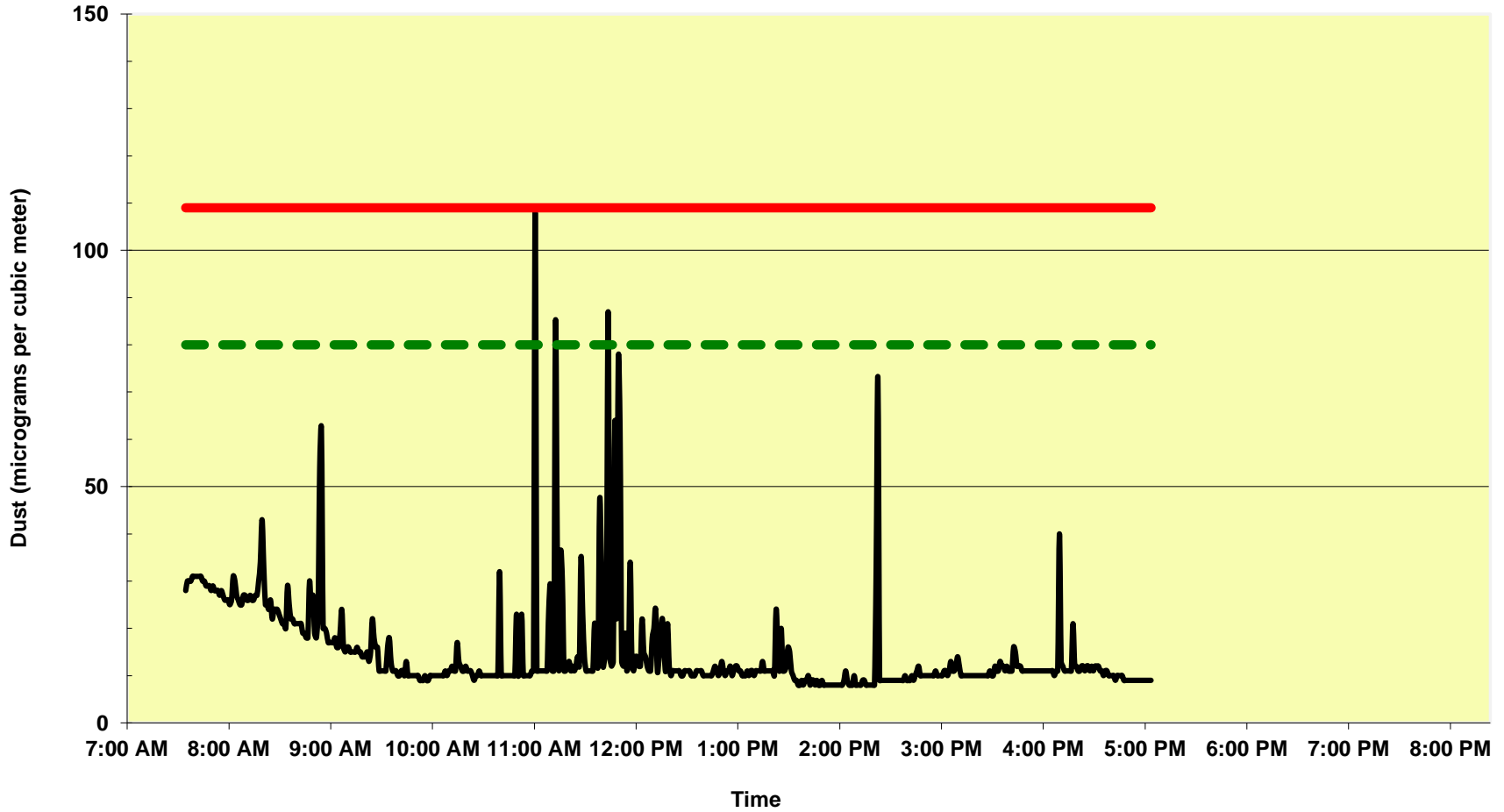
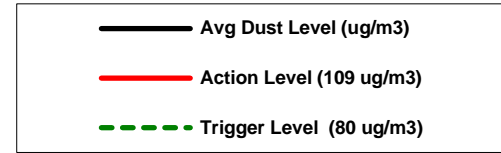
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Air Monitor 4 9/17/2018**

**Air Monitoring Results**



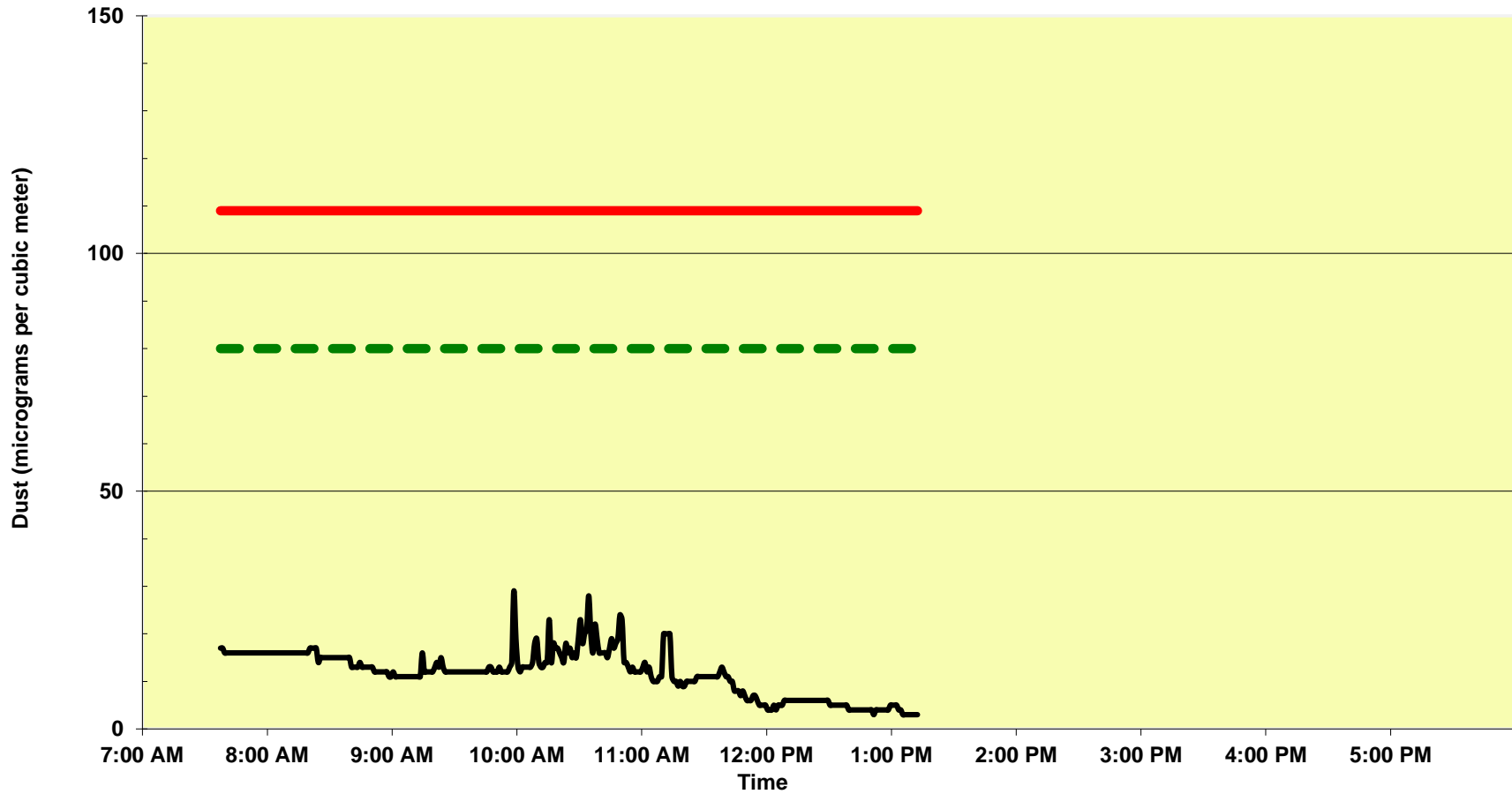
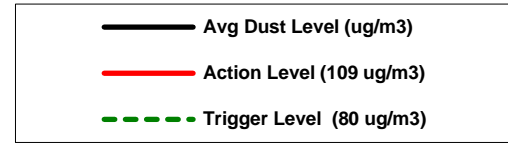
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Dust Monitoring Results  
Air Monitor 5 9/17/2018**

**Air Monitoring Results**



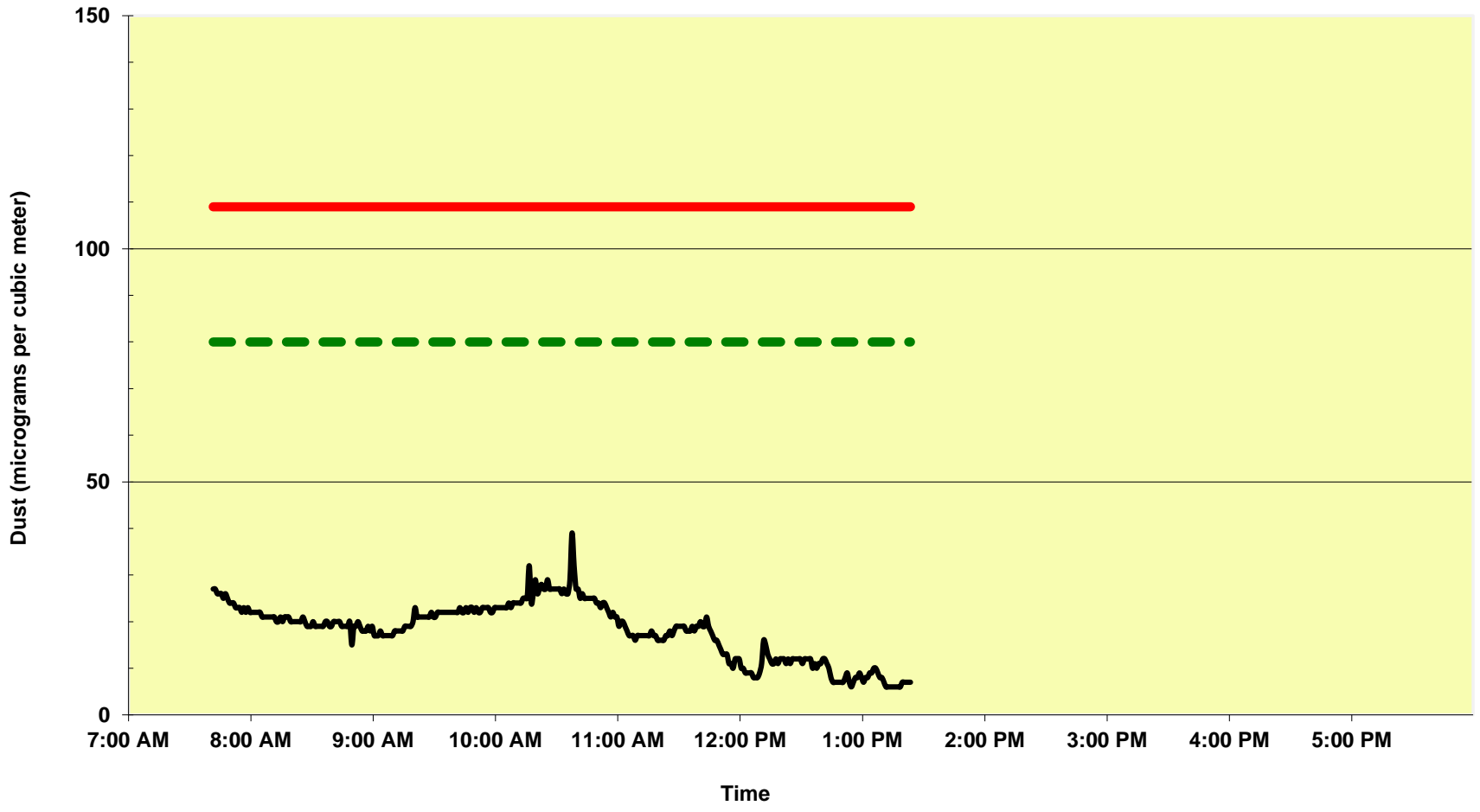
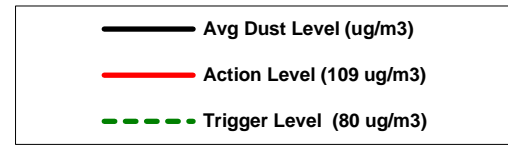
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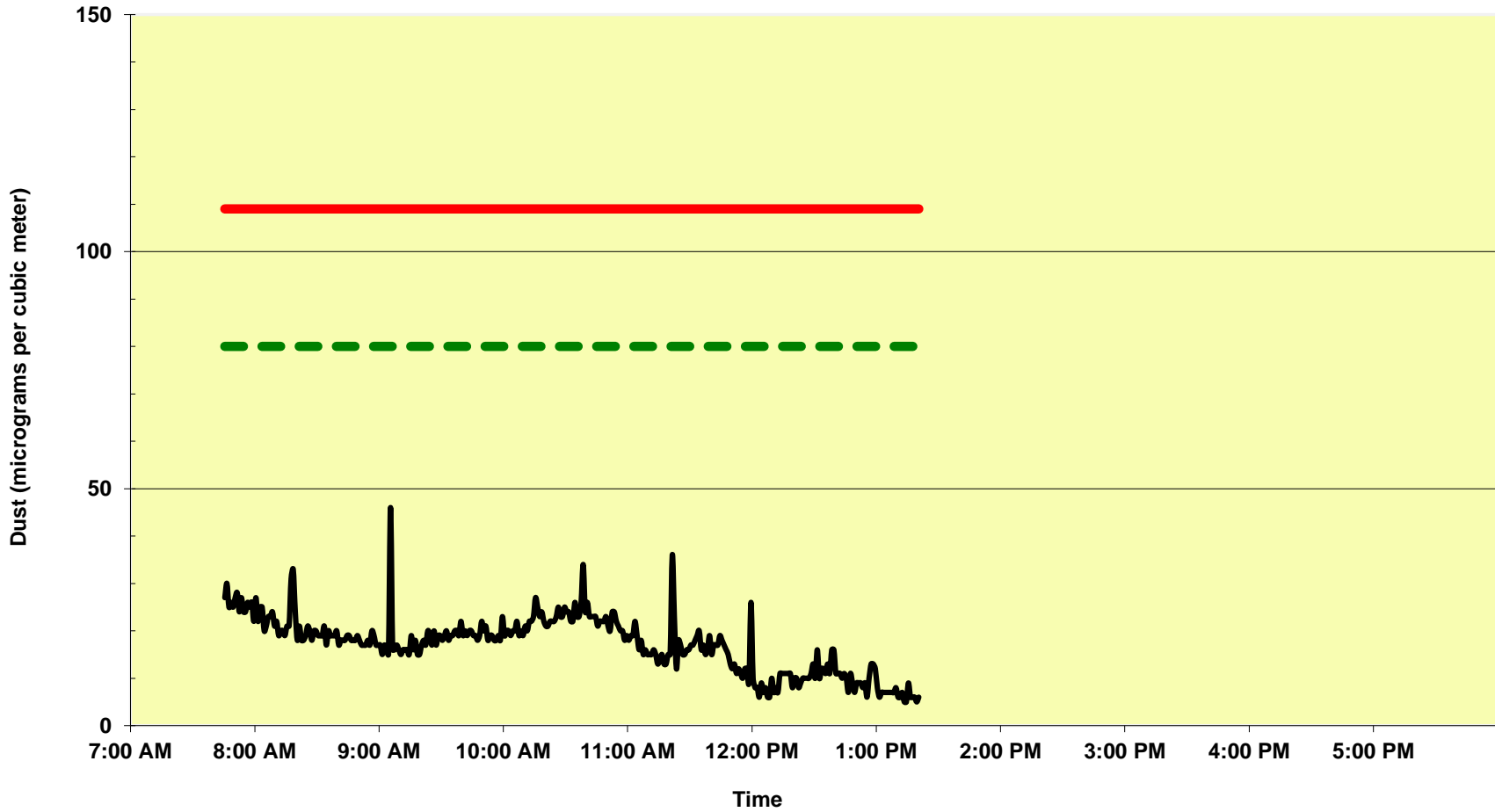
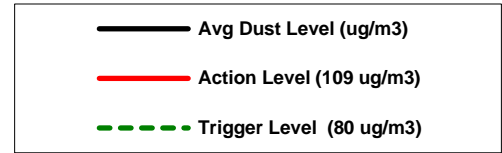
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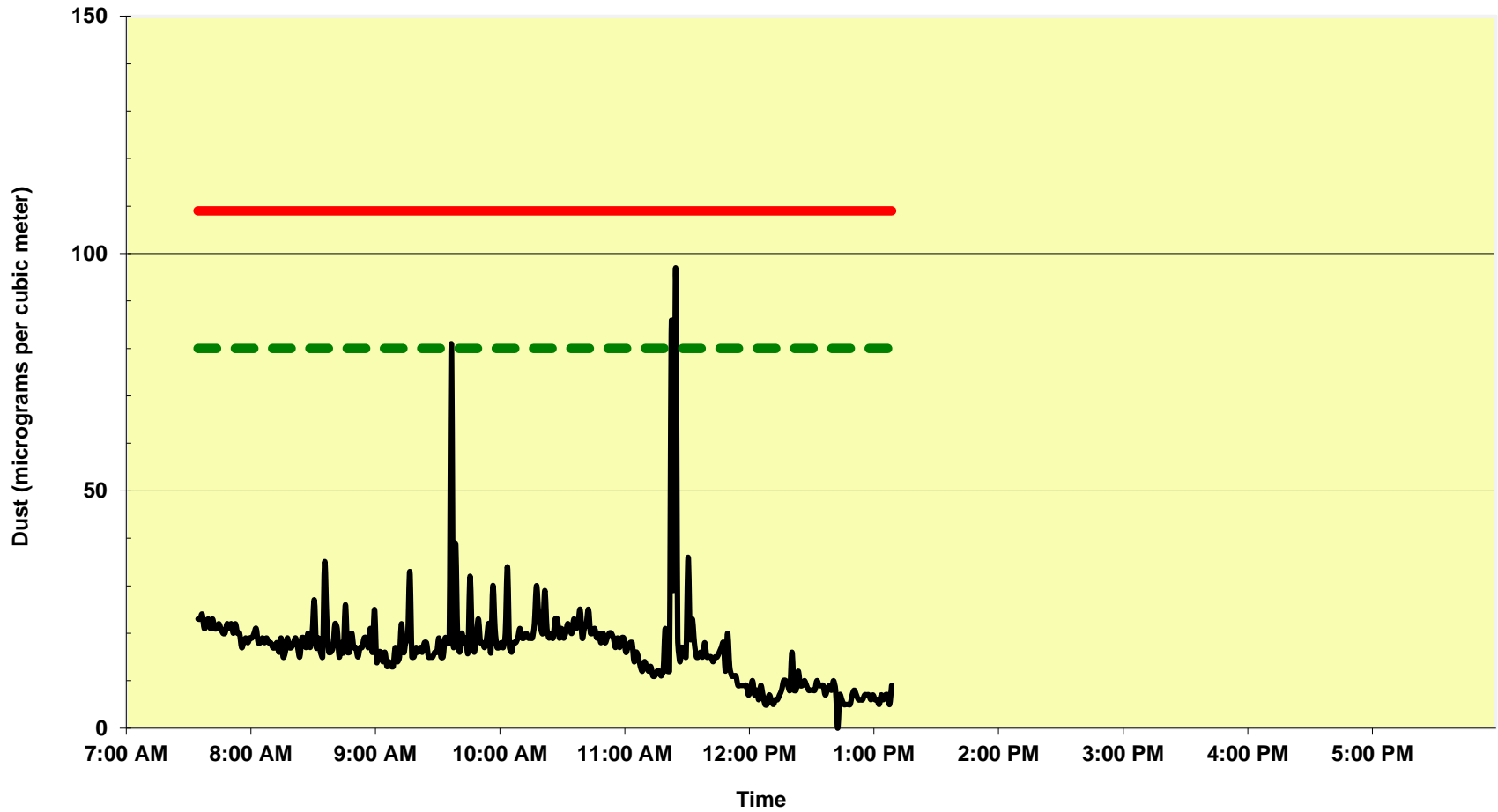
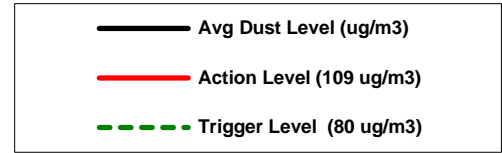
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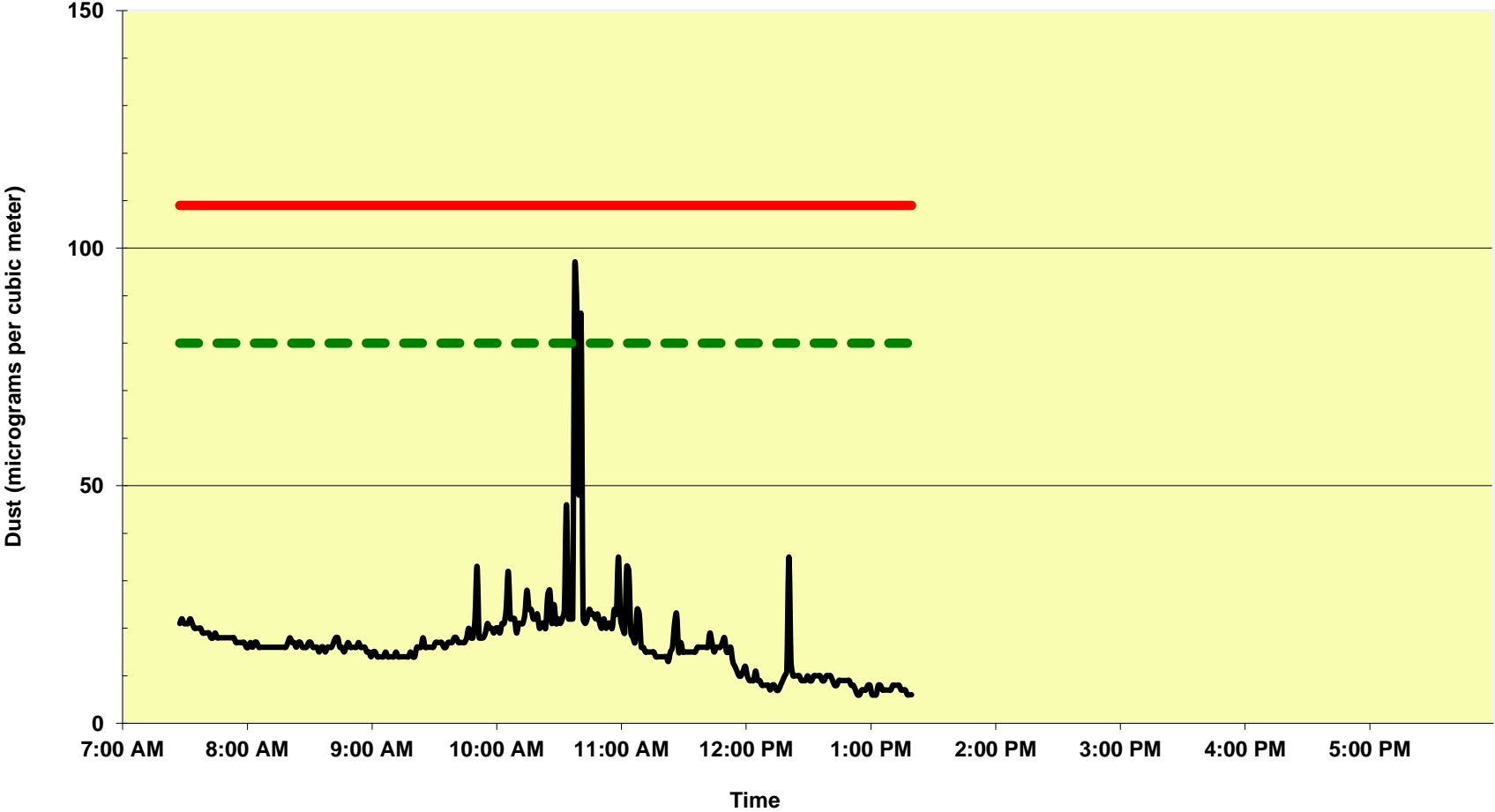
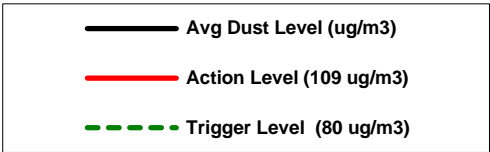
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Air Monitor 4 9/18/2018**

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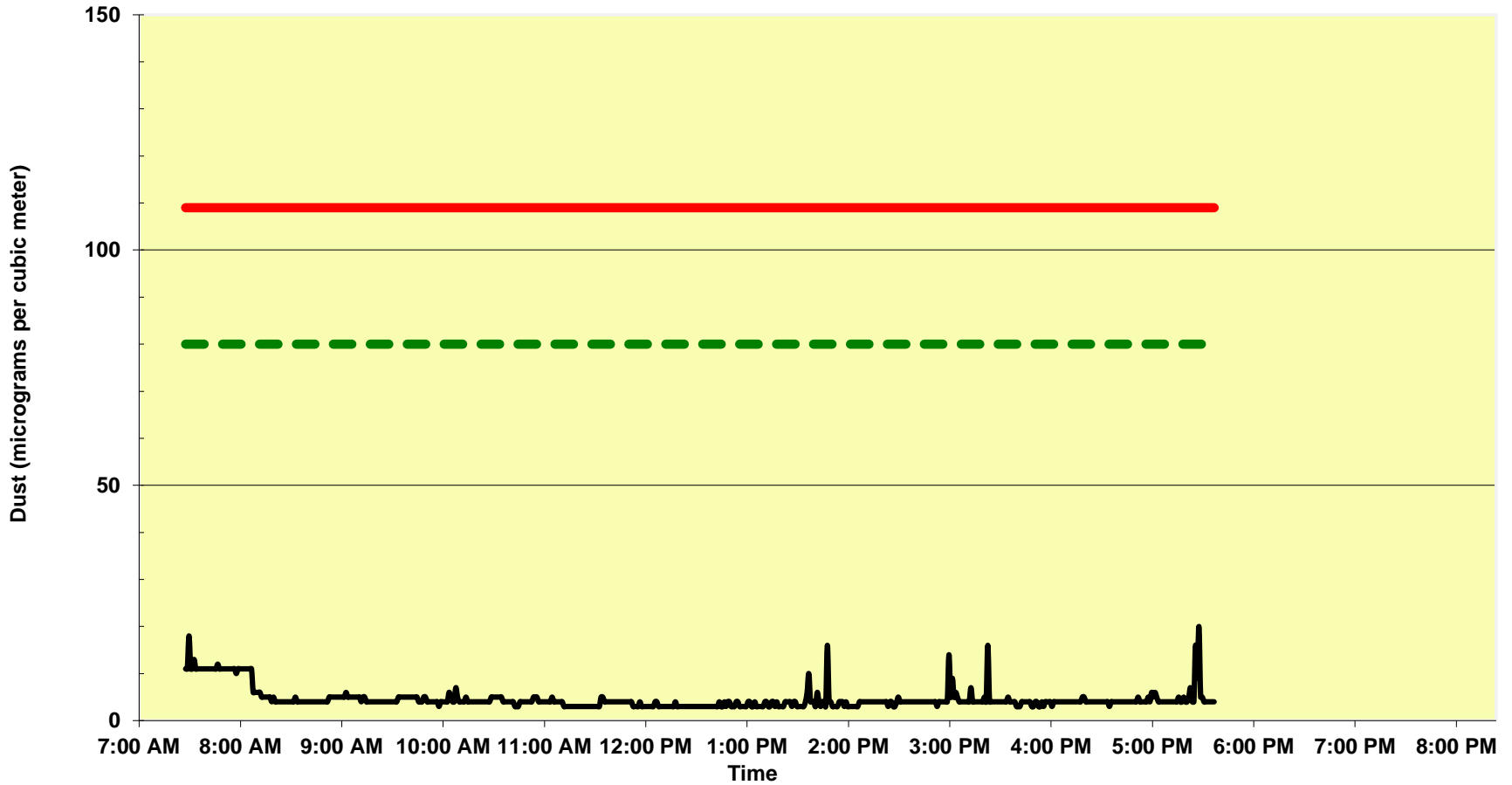
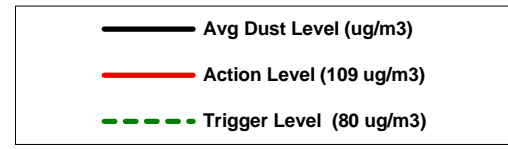
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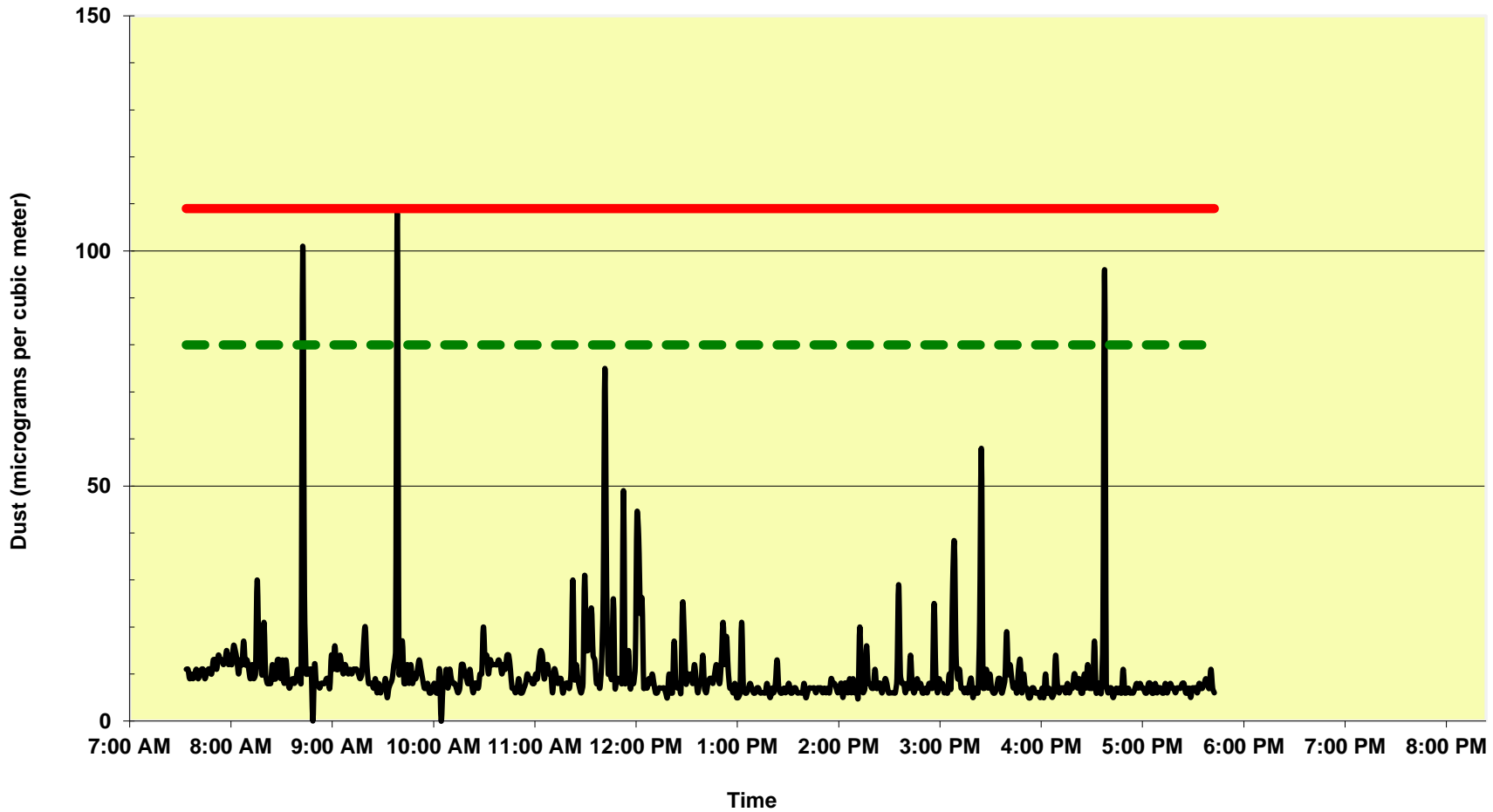
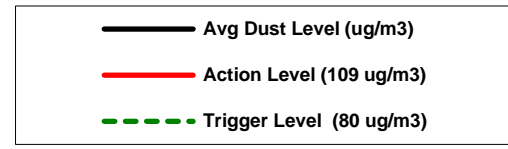
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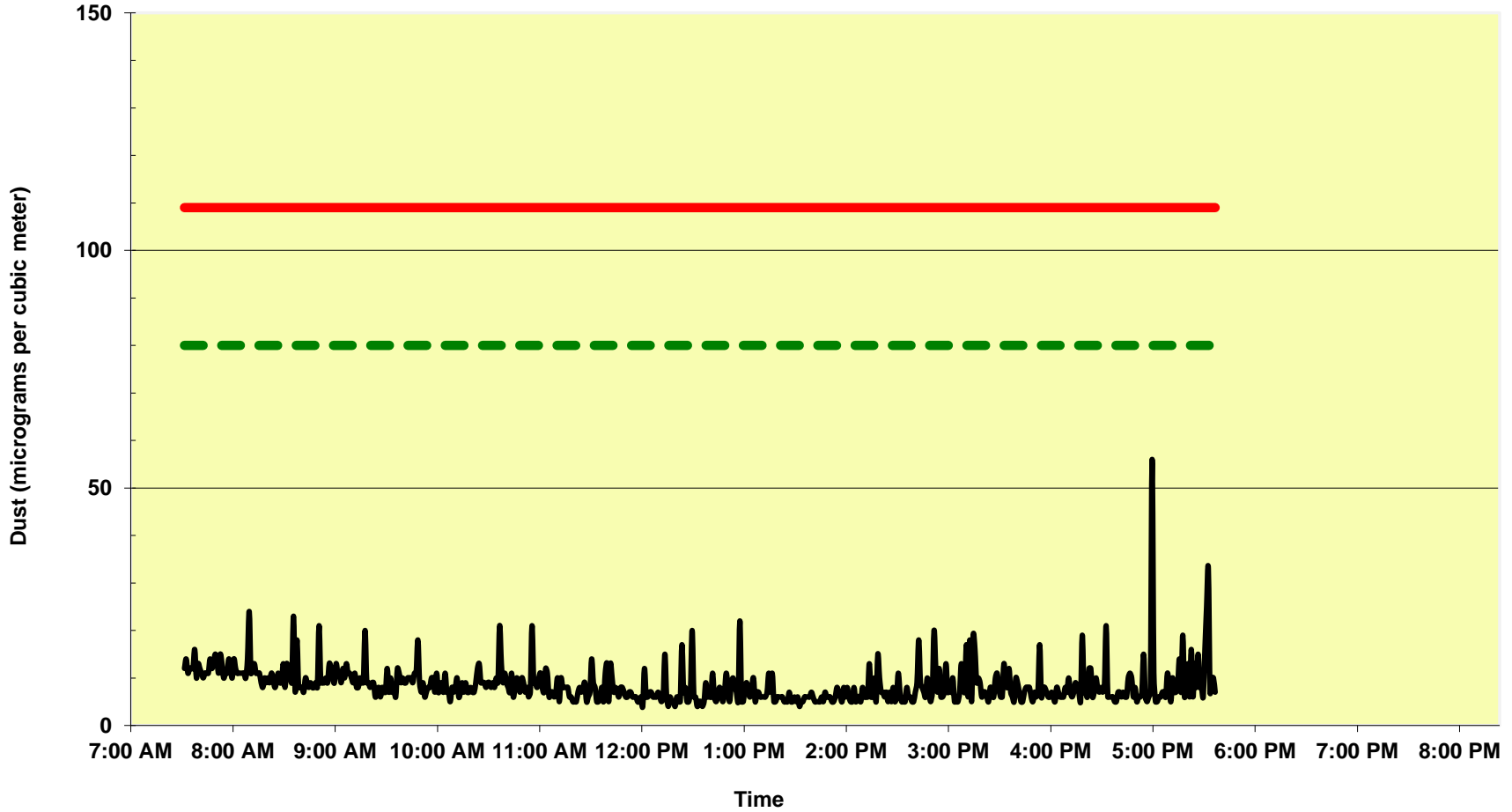
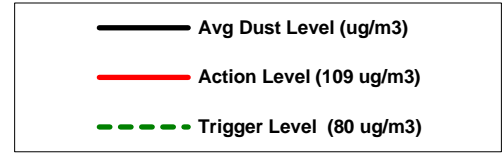
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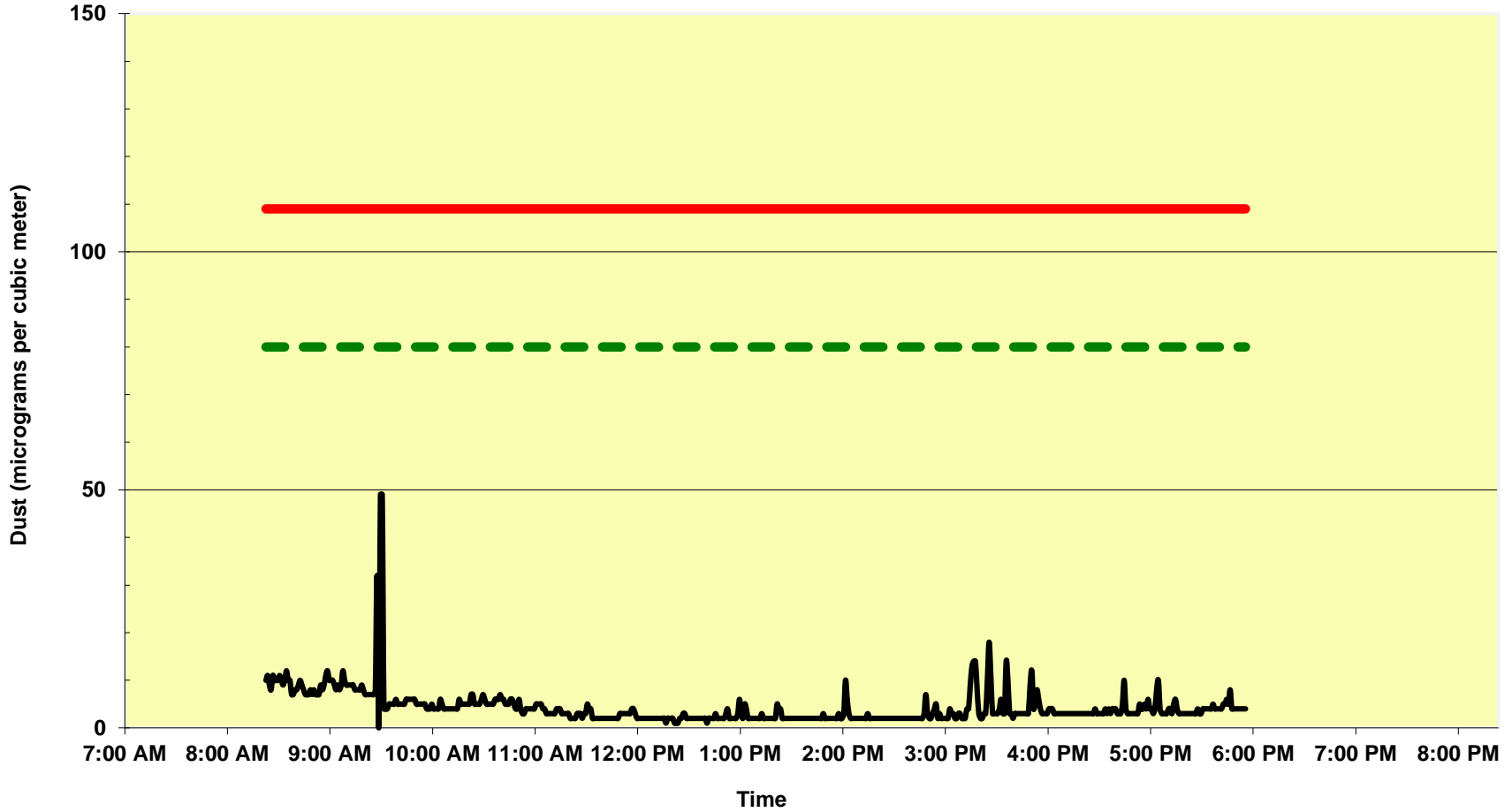
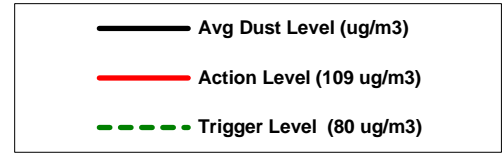
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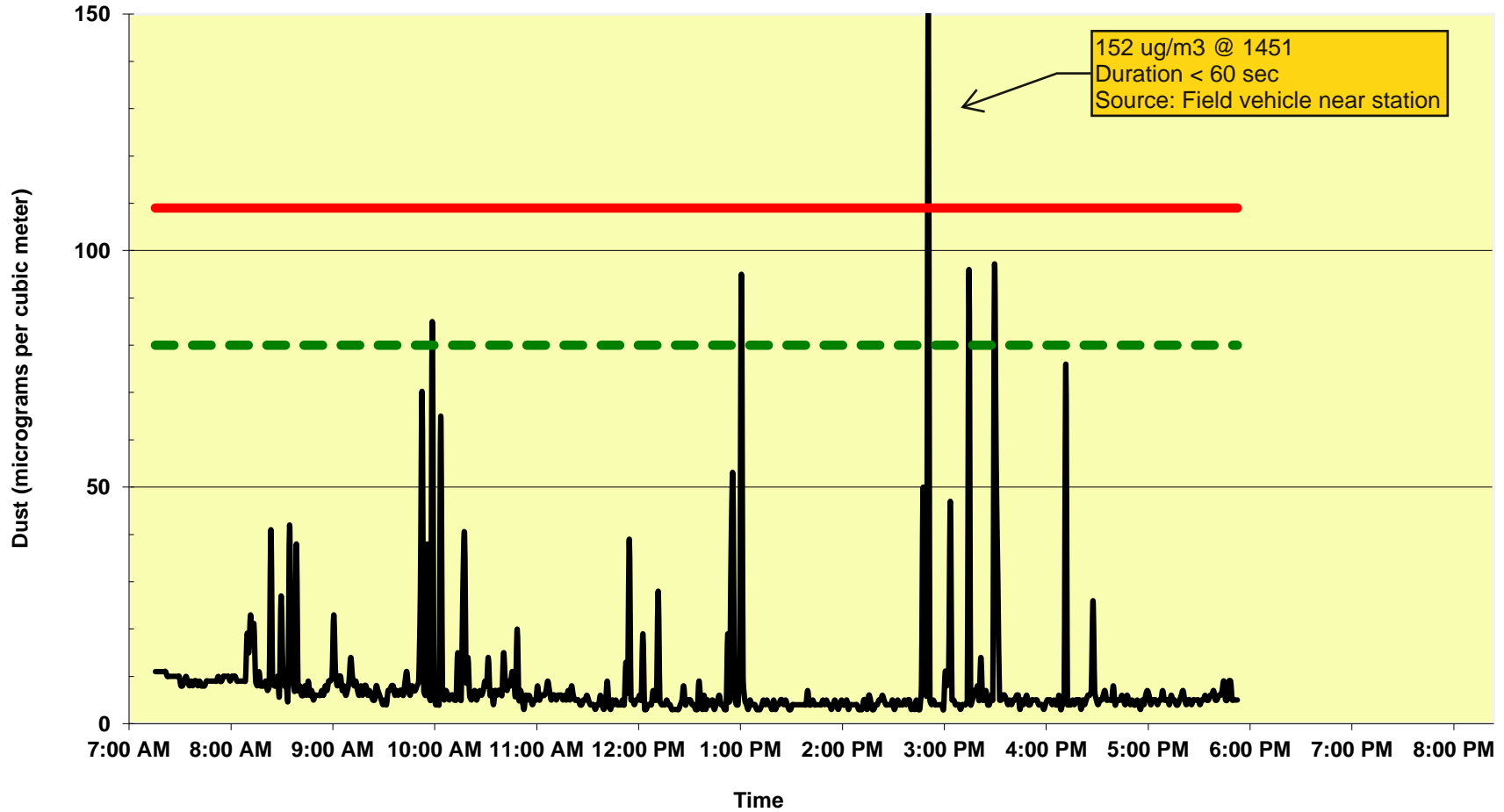
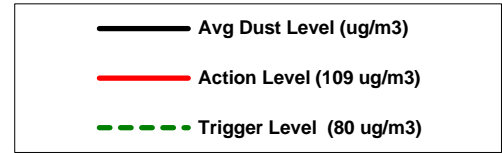
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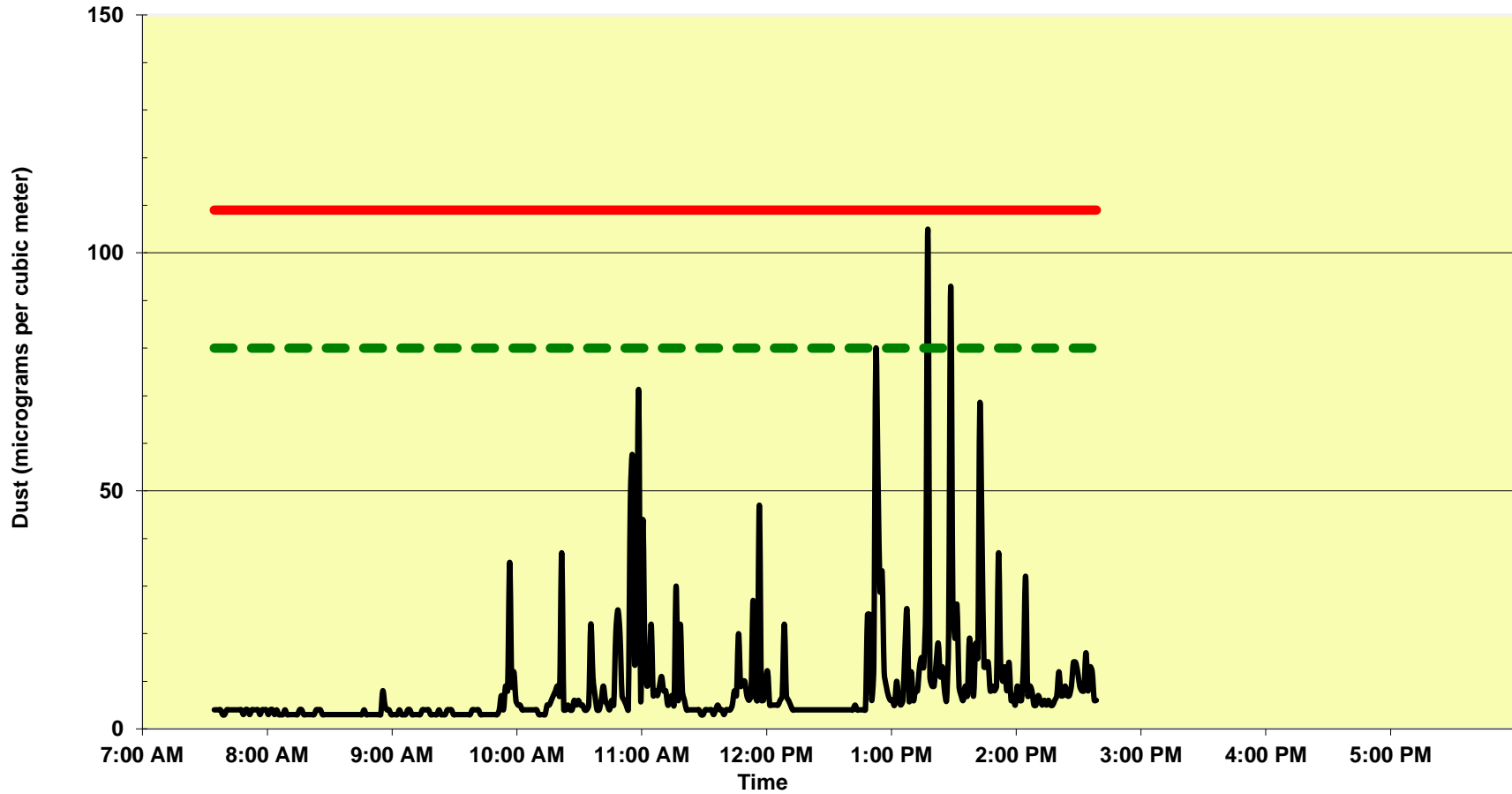
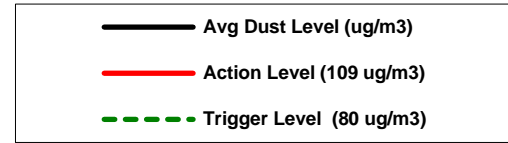
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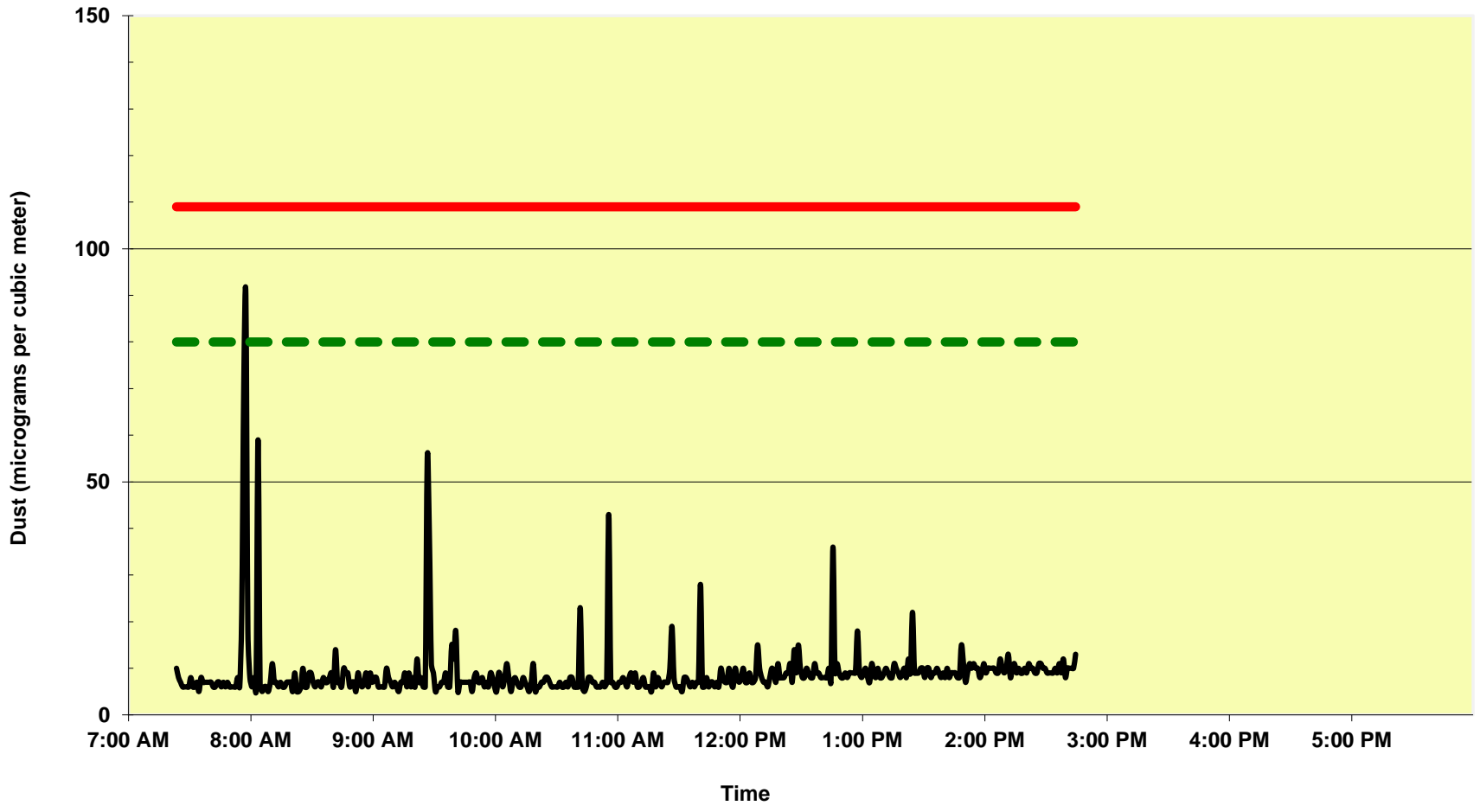
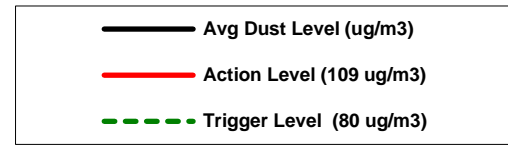
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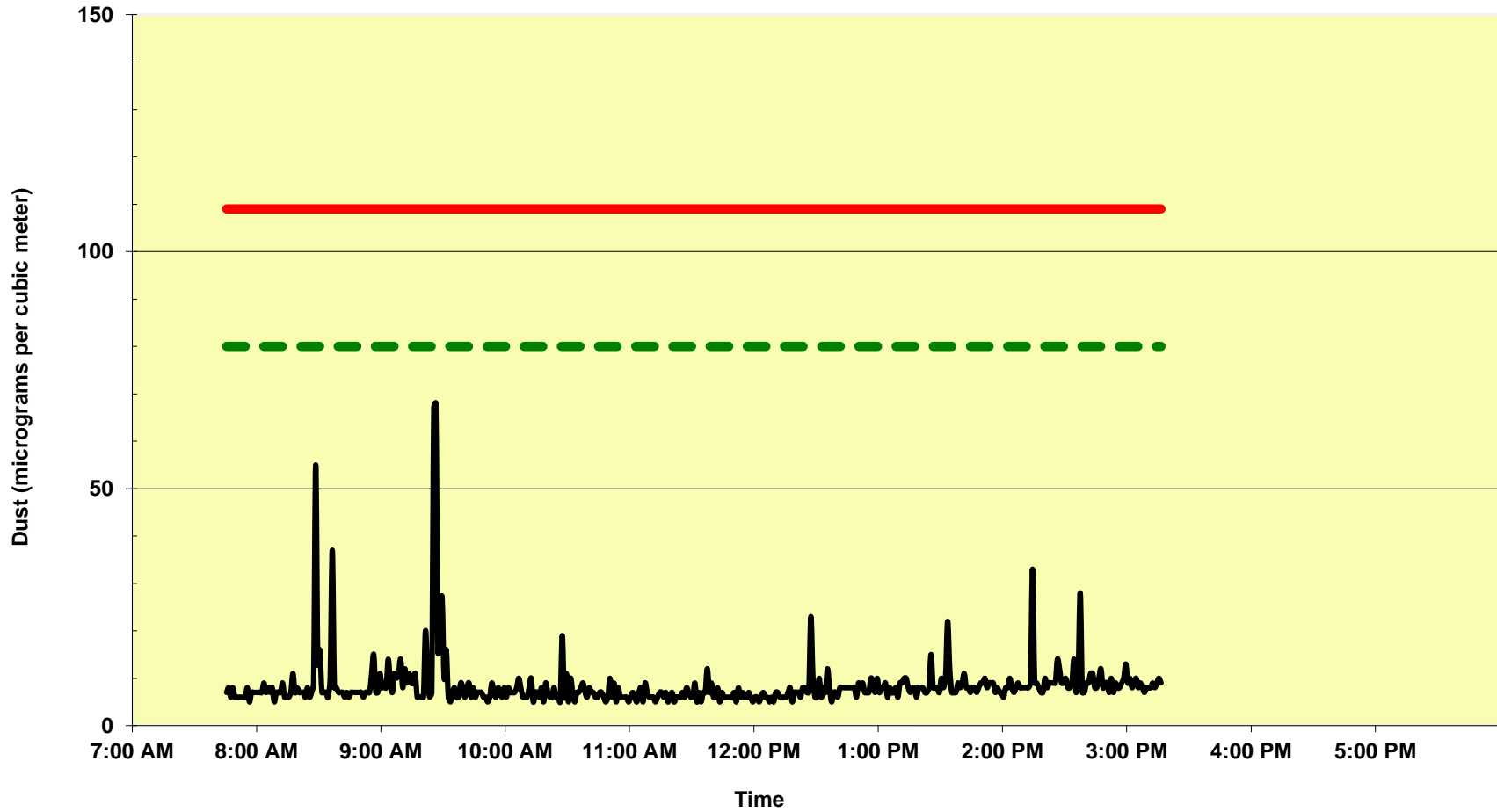
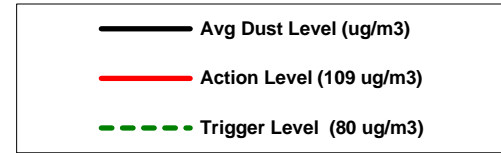
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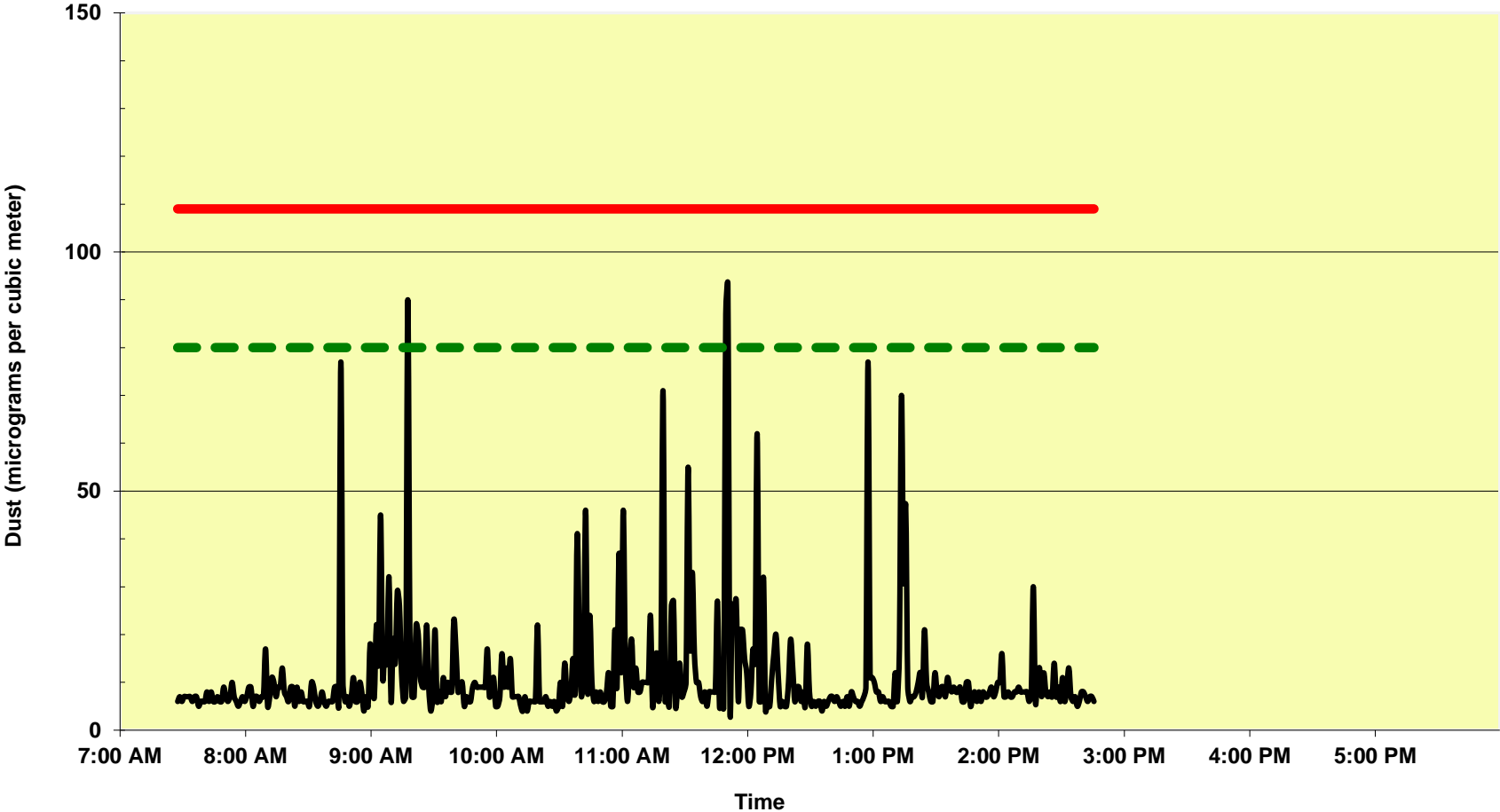
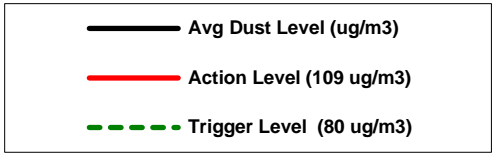
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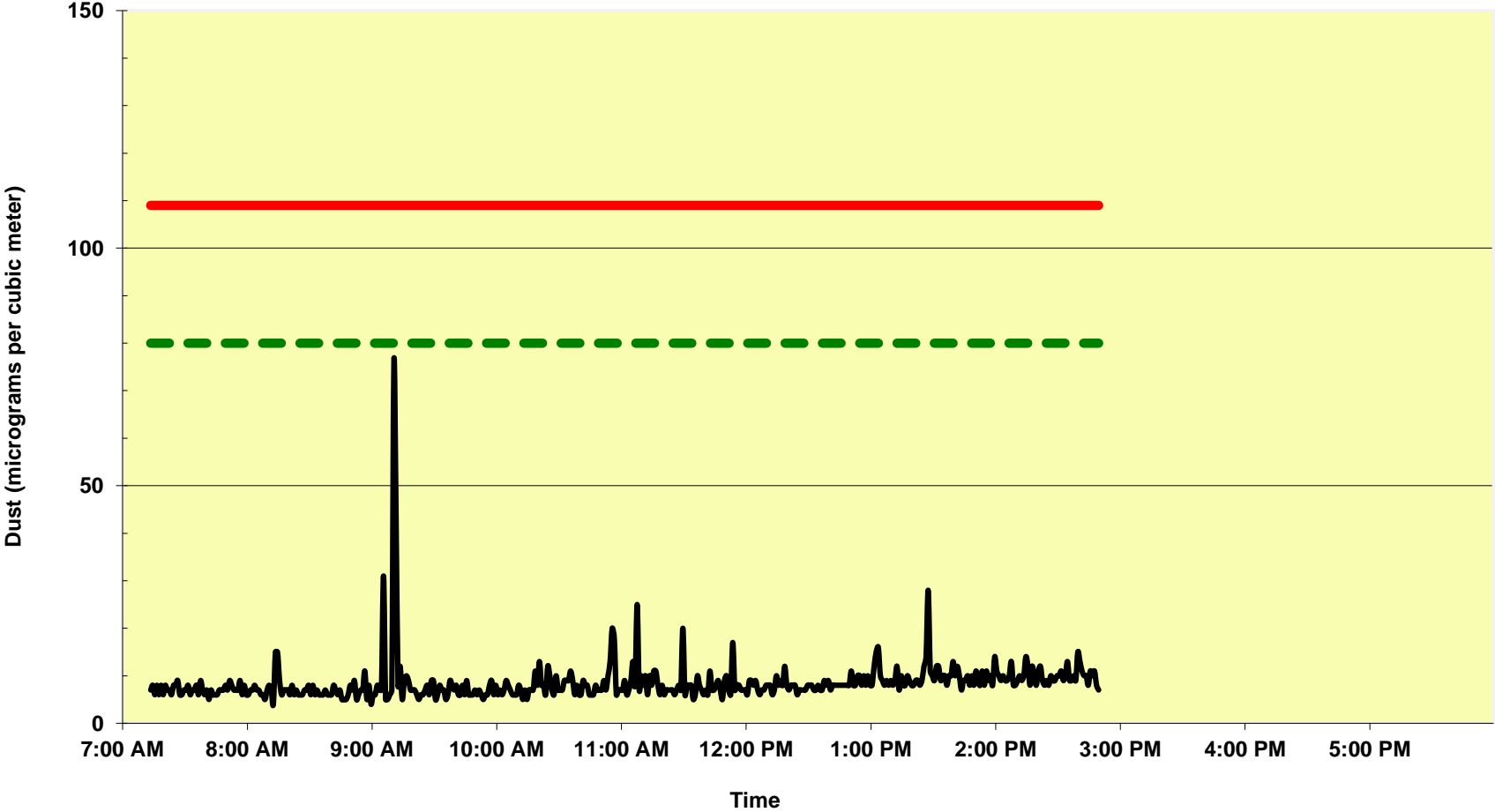
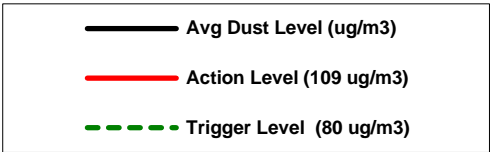
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**Former Midland-Ross Site  
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Air Monitor 5 9/21/2018**

**Air Monitoring Results**



## **LABORATORY AIR SAMPLE RESULTS**

PAMP METALS, VOCs SAMPLES ANALYTICAL RESULTS  
 HONEYWELL HIGHLAND PARK  
 HIGHLAND PARK, NEW JERSEY

Analyte	CAS Number	Criteria	200-45385 AMS- 5-092018 4:00PM	Units	Qualifier
<b>Metals</b>					
Copper	7440-50-8	0.49	0.00031	mg/m3 Filter	U
Lead	7439-92-1	0.00049	0.000061	mg/m3 Filter	U
<b>VOCs</b>					
o-Xylene	95-47-6	487	<b>2</b>	ug/m3	
Styrene	100-42-5	4867	0.9	ug/m3	U
Ethylbenzene	100-41-4	4867	<b>2</b>	ug/m3	
m-Xylene & p-Xylene	179601-23-1	487	<b>5</b>	ug/m3	
4-Ethyltoluene	622-96-8	-	1	ug/m3	U
1,3,5-Trimethylbenzene	108-67-8	-	1	ug/m3	U
Bromoform	75-25-2	310	2	ug/m3	U
1,1,2,2-Tetrachloroethane	79-34-5	5.9	1	ug/m3	U
1,1,2-Trichloroethane	79-00-5	21.3	1	ug/m3	U
trans-1,3-Dichloropropene	10061-02-6	-	0.9	ug/m3	U
Toluene	108-88-3	24333	<b>9</b>	ug/m3	
Ethylene Dibromide	106-93-4	3.9	2	ug/m3	U
Chlorobenzene	108-90-7	4876	0.9	ug/m3	U
Tetrachloroethene	127-18-4	195	1	ug/m3	U
Chlorodibromomethane	124-48-1	12.6	2	ug/m3	U
Ethanol	64-17-5	-	<b>51</b>	ug/m3	
Naphthalene	91-20-3	14.6	3	ug/m3	U
1,3-Dichlorobenzene	541-73-1	-	1	ug/m3	U
1,2,4-Trimethylbenzene	95-63-6	-	<b>2</b>	ug/m3	
2-Chlorotoluene	95-49-8	-	1	ug/m3	U
1,2,4-Trichlorobenzene	120-82-1	9.7	4	ug/m3	U
Hexachlorobutadiene	87-68-3	15.5	2	ug/m3	U
1,4-Dichlorobenzene	106-46-7	3893	1	ug/m3	U

PAMP METALS, VOCs SAMPLES ANALYTICAL RESULTS  
 HONEYWELL HIGHLAND PARK  
 HIGHLAND PARK, NEW JERSEY

Analyte	CAS Number	Criteria	200-45385 AMS- 5-092018 4:00PM	Units	Qualifier
1,2-Dichlorobenzene	95-50-1	973	1	ug/m3	U
4-Methyl-2-pentanone (MIBK)	108-10-1	14600	2	ug/m3	U
Carbon disulfide	75-15-0	3407	2	ug/m3	U
3-Chloro-1-propene	107-05-1	-	2	ug/m3	U
Isopropyl alcohol	67-63-0	-	12	ug/m3	U
1,1-Dichloroethene	75-35-4	973	0.8	ug/m3	U
Acetone	67-64-1	150867	12	ug/m3	U
trans-1,2-Dichloroethene	156-60-5	-	0.8	ug/m3	U
Methyl tert-butyl ether	1634-04-4	14600	0.7	ug/m3	U
Methylene Chloride	75-09-2	2920	2	ug/m3	U
2-Methyl-2-propanol	75-65-0	-	15	ug/m3	U
Vinyl chloride	75-01-4	487	0.5	ug/m3	U
Butadiene	106-99-0	-	<b>0.7</b>	ug/m3	
Chloromethane	74-87-3	-	<b>1</b>	ug/m3	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	487	1	ug/m3	U
Dichlorodifluoromethane	75-71-8	487	2	ug/m3	U
Bromomethane	74-83-9	24.3	0.8	ug/m3	U
Trichlorofluoromethane	75-69-4	-	<b>1</b>	ug/m3	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	3407	2	ug/m3	U
Vinyl bromide	593-60-2	24.3	0.9	ug/m3	U
Chloroethane	75-00-3	48667	1	ug/m3	U
1,2-Dichloropropane	78-87-5	19.5	0.9	ug/m3	U
Trichloroethene	79-01-6	9.7	1	ug/m3	U
n-Heptane	142-82-5	-	<b>3</b>	ug/m3	
Benzene	71-43-2	14.6	<b>4</b>	ug/m3	
1,2-Dichloroethane	107-06-2	1974	0.8	ug/m3	U
cis-1,3-Dichloropropene	10061-01-5	97.3	0.9	ug/m3	U

PAMP METALS, VOCs SAMPLES ANALYTICAL RESULTS  
 HONEYWELL HIGHLAND PARK  
 HIGHLAND PARK, NEW JERSEY

Analyte	CAS Number	Criteria	200-45385 AMS- 5-092018 4:00PM	Units	Qualifier
Dichlorobromomethane	75-27-4	9.2	1	ug/m3	U
Methyl methacrylate	80-62-6	-	2	ug/m3	U
1,4-Dioxane	123-91-1	146	18	ug/m3	U
2-Butanone (MEK)	78-93-3	24333	1	ug/m3	U
Chloroform	67-66-3	1460	1	ug/m3	U
cis-1,2-Dichloroethene	156-59-2	-	0.8	ug/m3	U
1,1-Dichloroethane	75-34-3	973	0.8	ug/m3	U
Hexane	110-54-3	-	<b>7</b>	ug/m3	
Tetrahydrofuran	109-99-9	-	15	ug/m3	U
Carbon tetrachloride	56-23-5	195	1	ug/m3	U
Isooctane	540-84-1	-	<b>7</b>	ug/m3	
Cyclohexane	110-82-7	29200	<b>2</b>	ug/m3	
1,1,1-Trichloroethane	71-55-6	4867	1	ug/m3	U

U -The compound was not detected at the indicated concentration.

J - Data indicates the presence of a compound that meets the identification criteria.

N - The presumptive evidence of a compound.

H - Sample was prepped or analyzed beyond the specified holding time.

\* - LCS or LCSD is outside acceptance limits.

\* - RPD of the LCS and LCSD exceeds the control limits.

The concentration given is an approximate value.

-- No criteria available.

**BOLD:** Analyte detected in sample.

**BOLD:** Exceedance above the NJDEP Division of Air Quality Toxicity Values for Inhalation Exposure, October 2017.