



Wood Environment & Infrastructure Solutions, Inc
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LETTER OF TRANSMITTAL

TO: Allan Williams Highland Park Environmental Commission FROM: John Poserina, Project Manager	DATE: 10/04/2018 PROJECT NO.: 3480180606 PROJ. NAME: Honeywell Highland Park SUBJECT: Construction Air Monitoring Data for week of 091018 to 091418 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

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- COURIER
- HAND DELIVERED
- FACSIMILE:

27 pages (including transmittal sheet)

COPIES	DATE	DESCRIPTION
1	09/14/18	Construction Air Monitoring Data

REMARKS:

The following data package includes the following from the week of 091018 to 091418

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

Note: No work conducted on 091018 and 091118 (Rosh Hashana). During cases of high humidity (091218), the dust monitor will detect water molecules in addition to dust particles leading to relatively high values.

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

By: John Poserina, P.E.

Direct Phone: (609) 631-2923

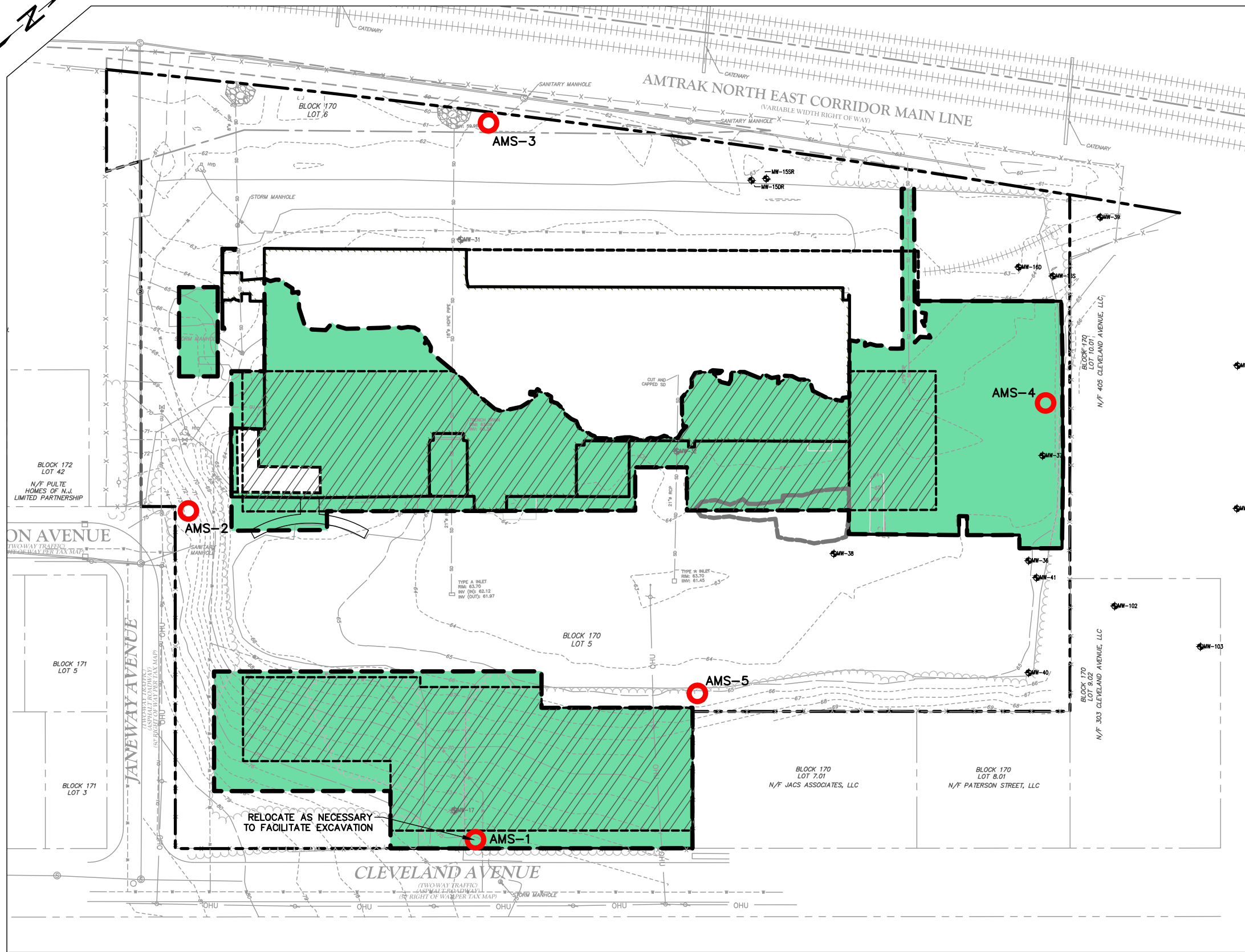
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If transmission is not received in good order, please call Project Coordinator at (610) 828-8100.





**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



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

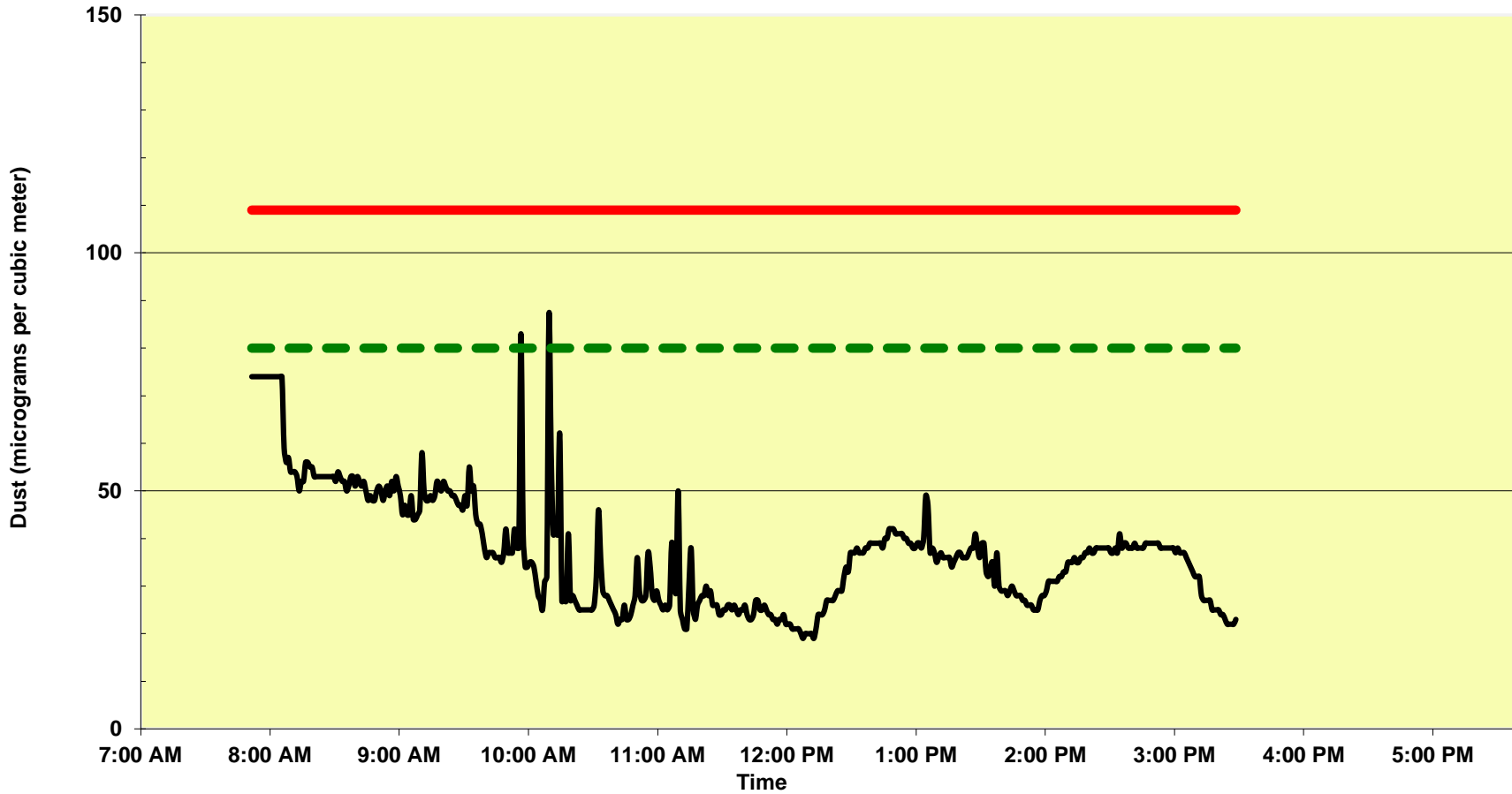
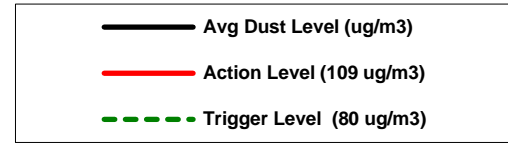
Quick Reference Action Response Plan

Acute Dust _{PM-10} Action Level	Action/Procedure
≥ 109 ug/m ³ + Background (duration of less than 5 minutes)	<ul style="list-style-type: none"> • 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. • Continue to observe PM-10 emissions.
≥ 109 ug/m ³ + Background (duration of more than 5 minutes)	<ul style="list-style-type: none"> • Document the time and PM-10 level within the air monitoring log or field log book. Prepare to collect confirmatory sample. • Implement use of engineering control measures if PM is sustained above 109 ug/m³ for more than 5 minutes. • Continue to observe PM-10 emissions.
≥ 109 ug/m ³ + Background (duration of more than 15 minutes)	<ul style="list-style-type: none"> • Cease intrusive activities. Document the time and PM-10 level within the air monitoring log or field log book. • Collect confirmatory sample. • Re-evaluate work procedures and amend as appropriate. Continue monitoring and engineering control measures. • When PM-10 concentration falls below the Action Level (15 minute TWA), work may resume.
Visible dust	<ul style="list-style-type: none"> • Implement dust suppression measures (discretion of the PAMT).

CONSTRUCTION AIR MONITORING DATA

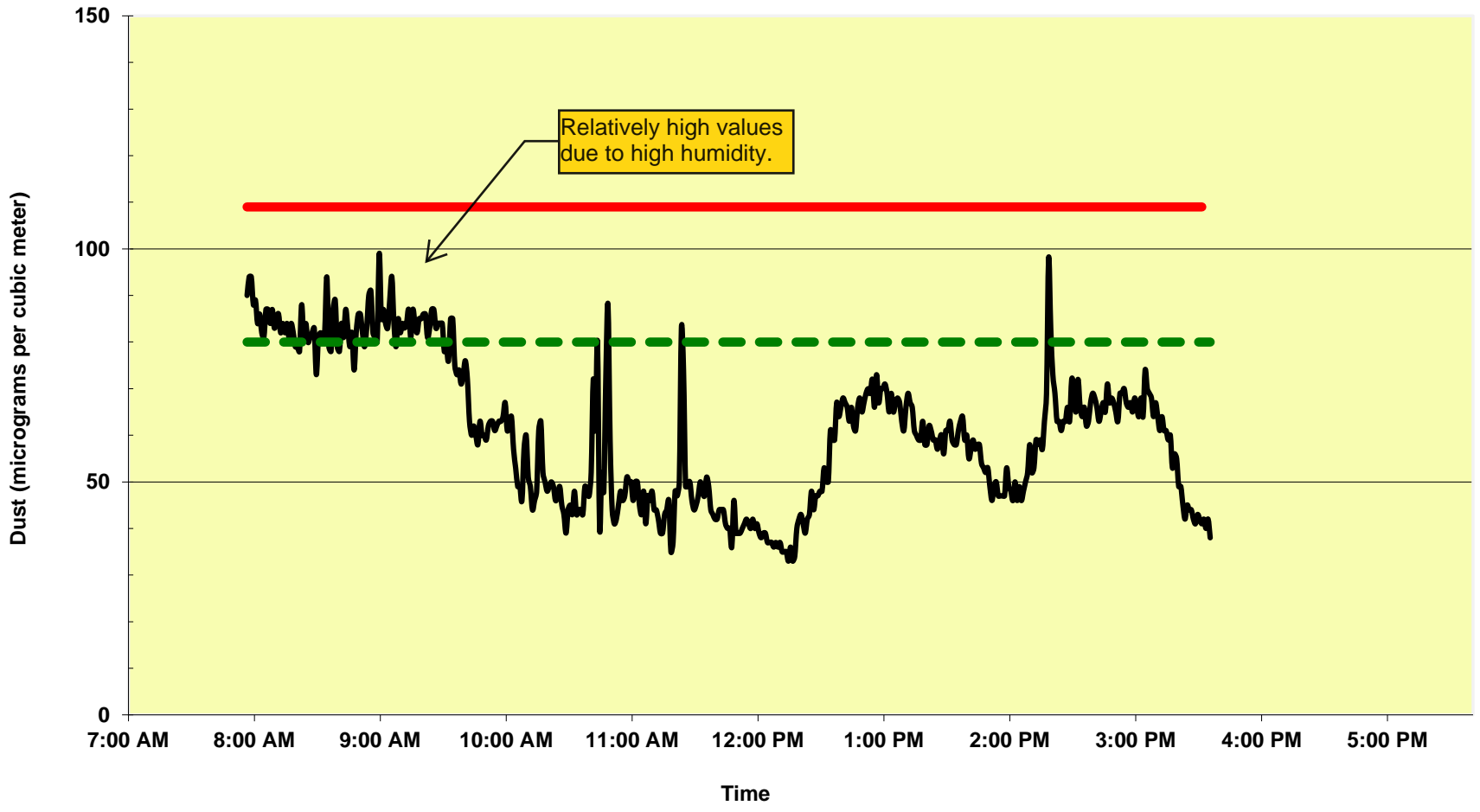
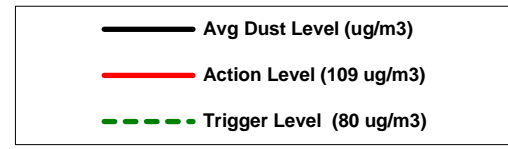
**Former Midland-Ross Site
Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 1 9/12/2018**

Air Monitoring Results



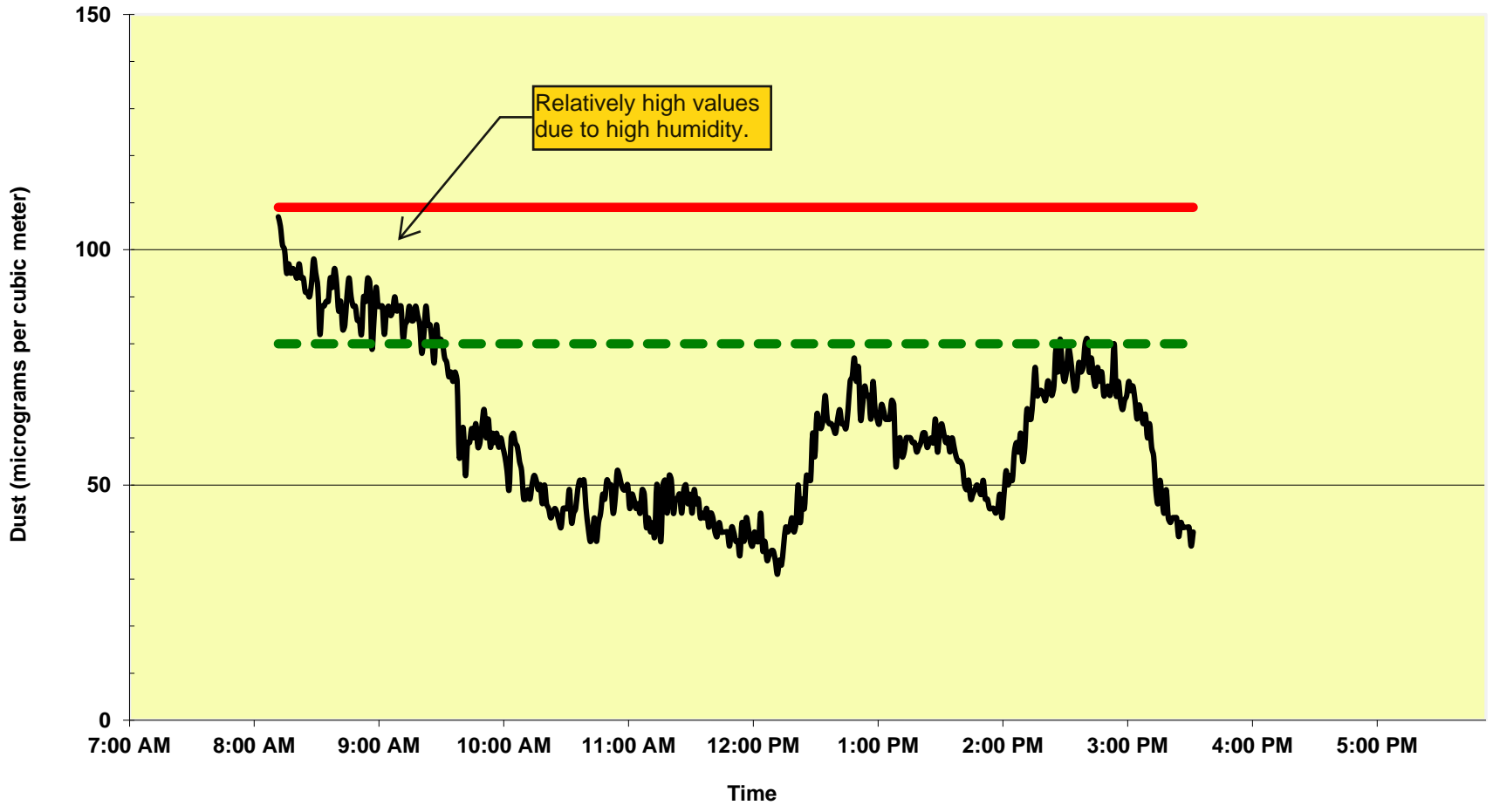
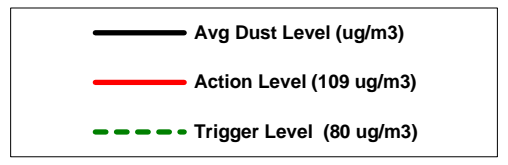
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Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 2 9/12/2018**

Air Monitoring Results



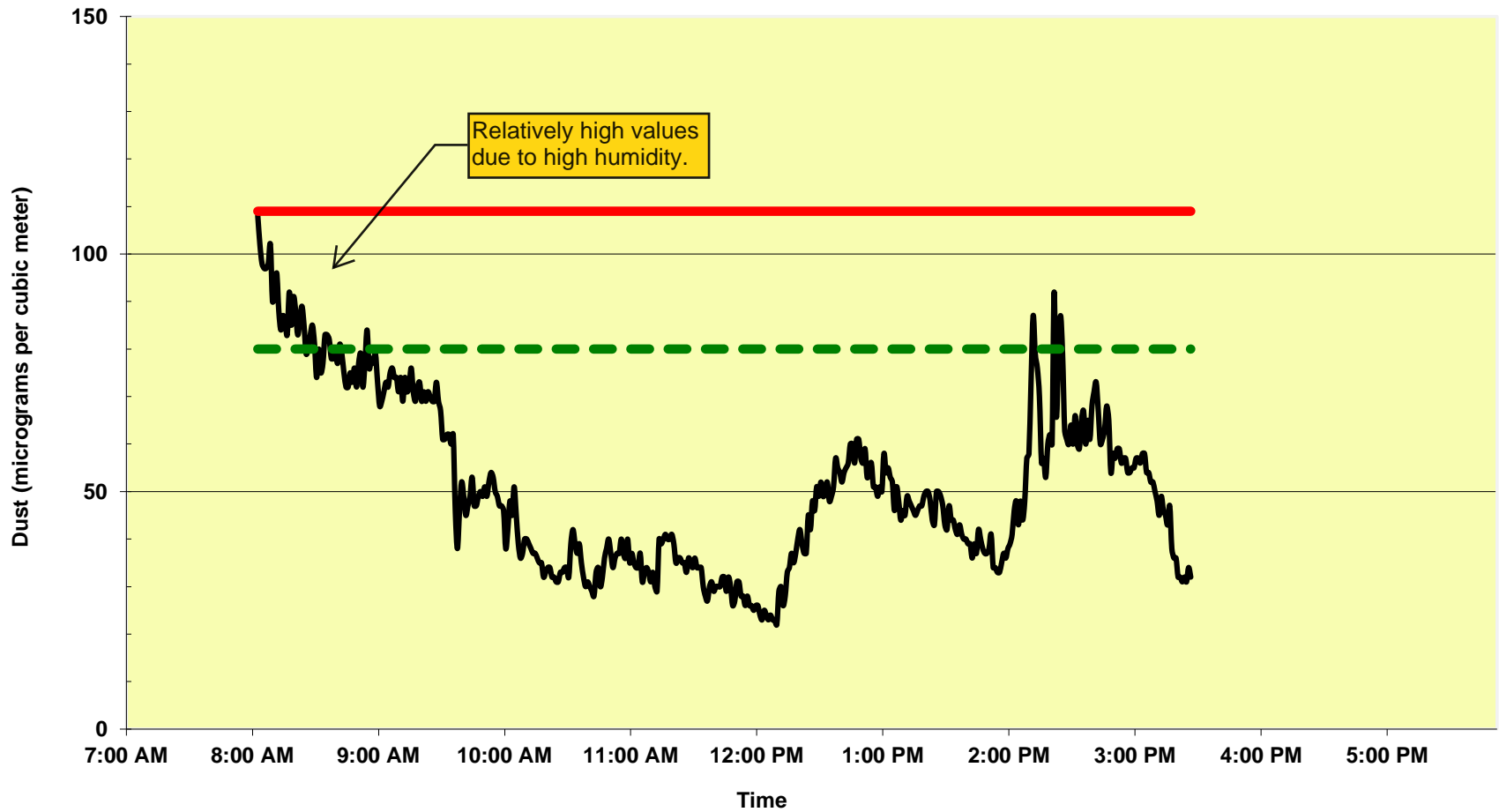
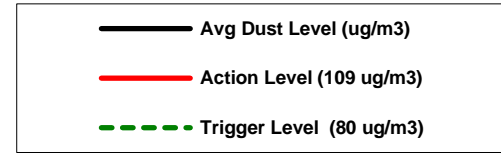
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Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 3 9/12/2018**

Air Monitoring Results



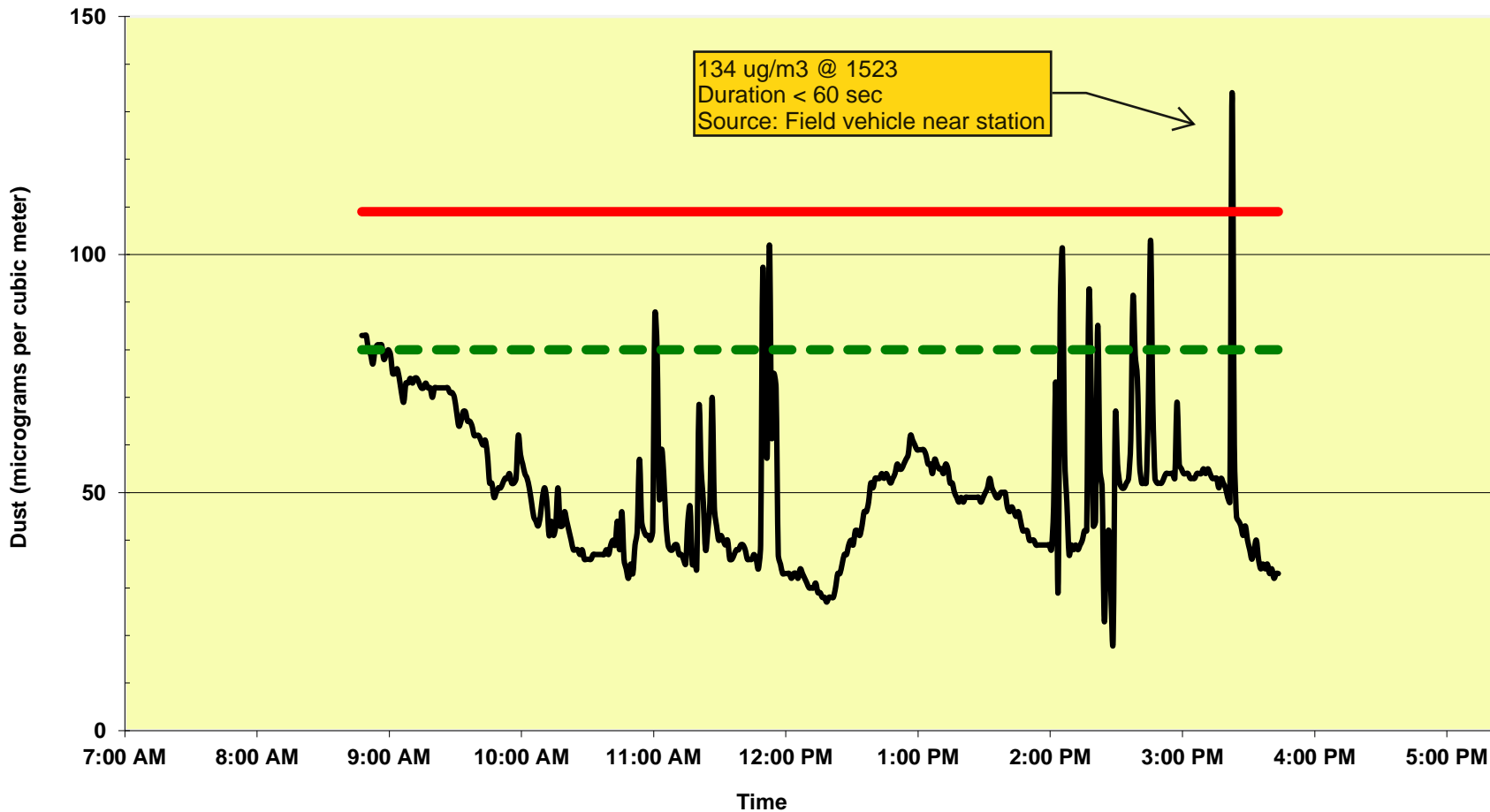
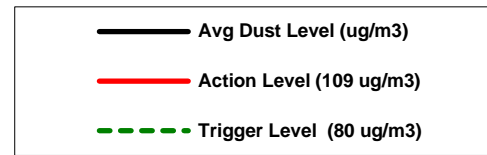
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Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 4 9/12/2018**

Air Monitoring Results



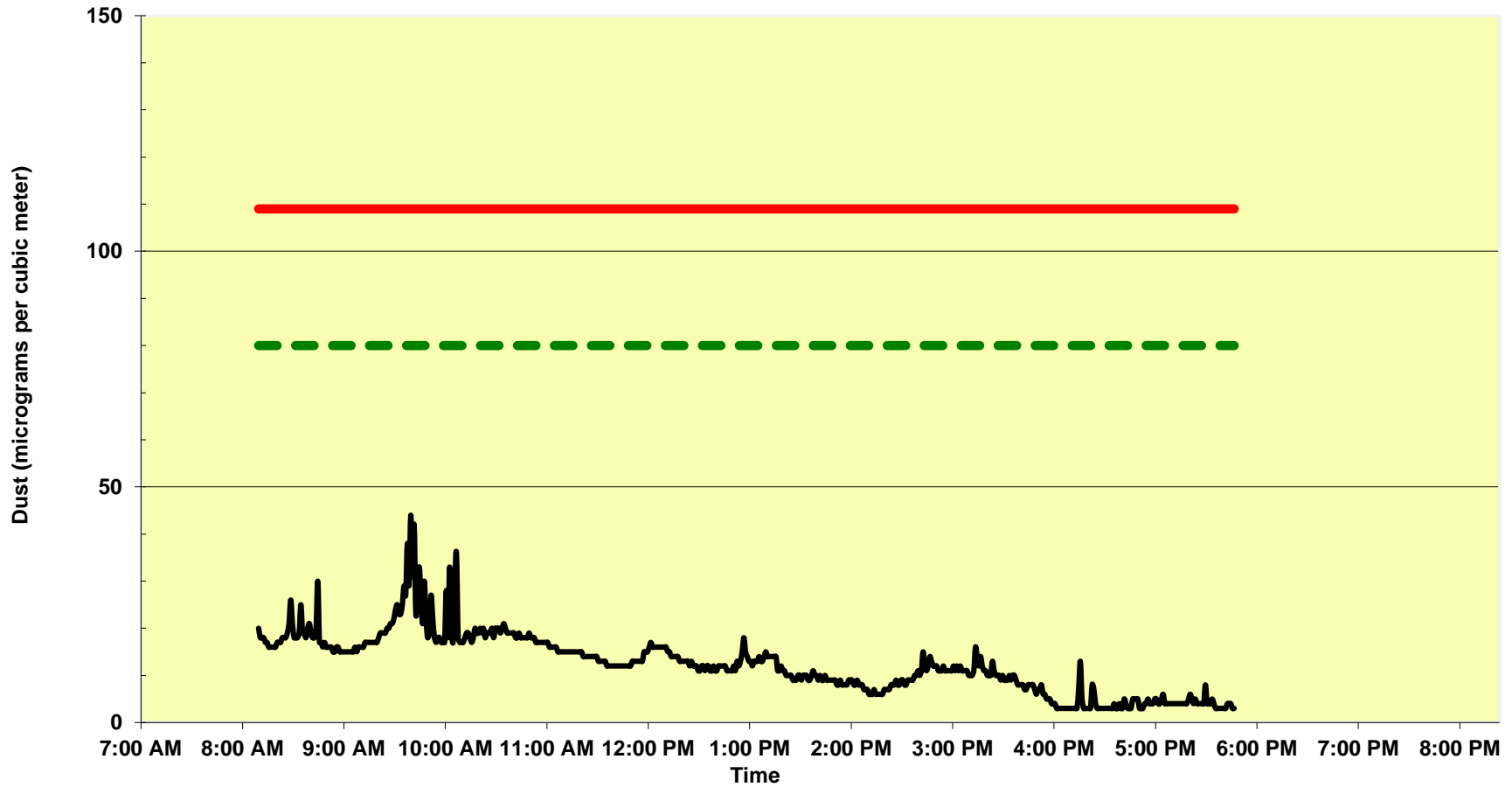
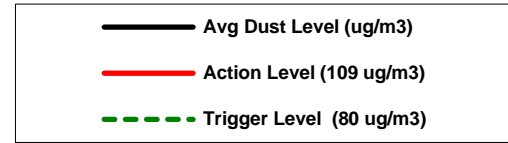
**Former Midland-Ross Site
Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 5 9/12/2018**

Air Monitoring Results



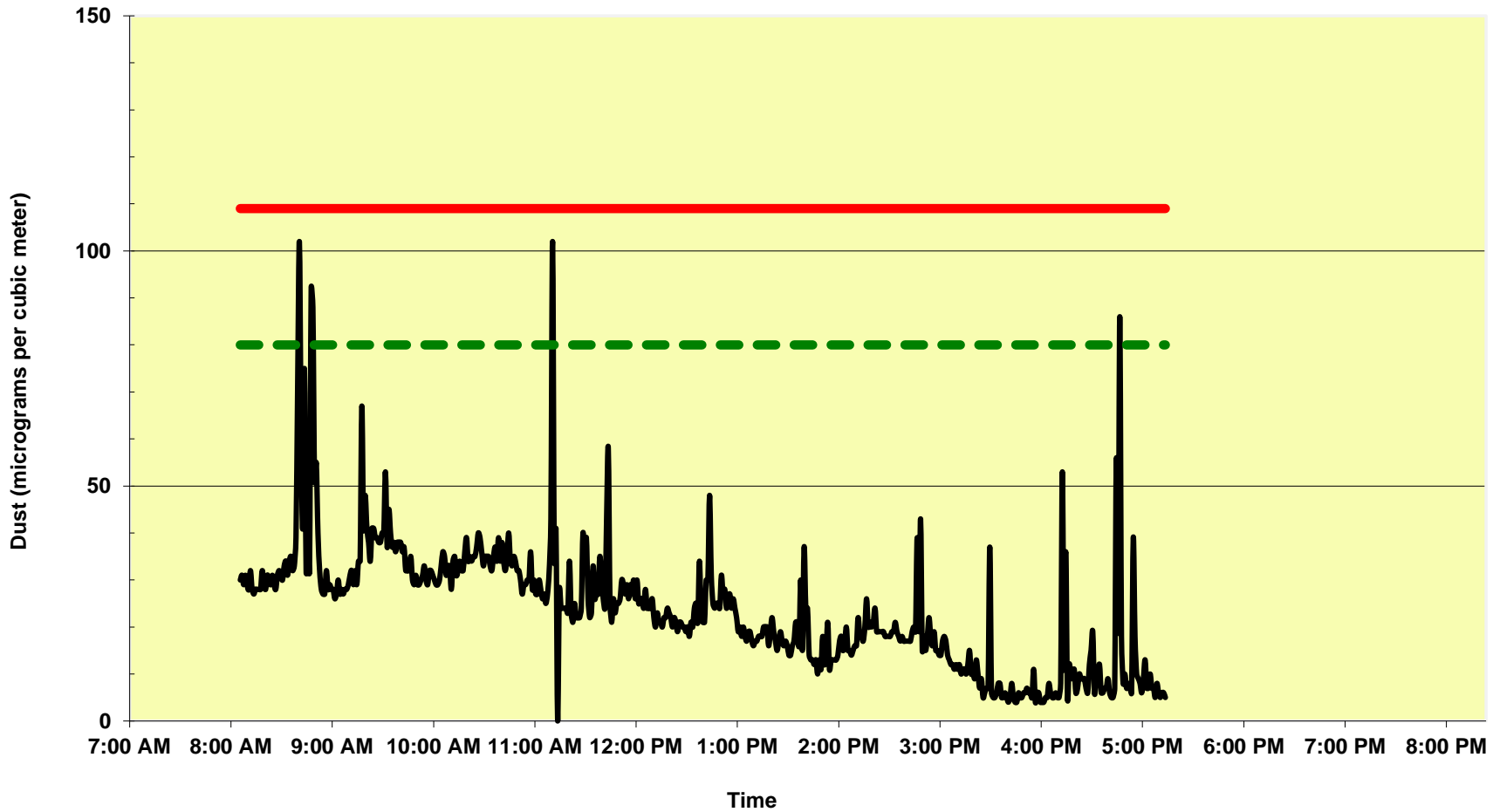
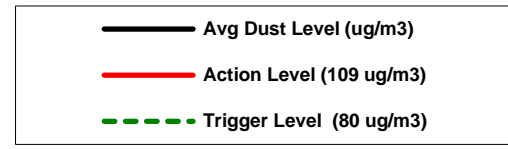
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Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 1 9/13/2018**

Air Monitoring Results



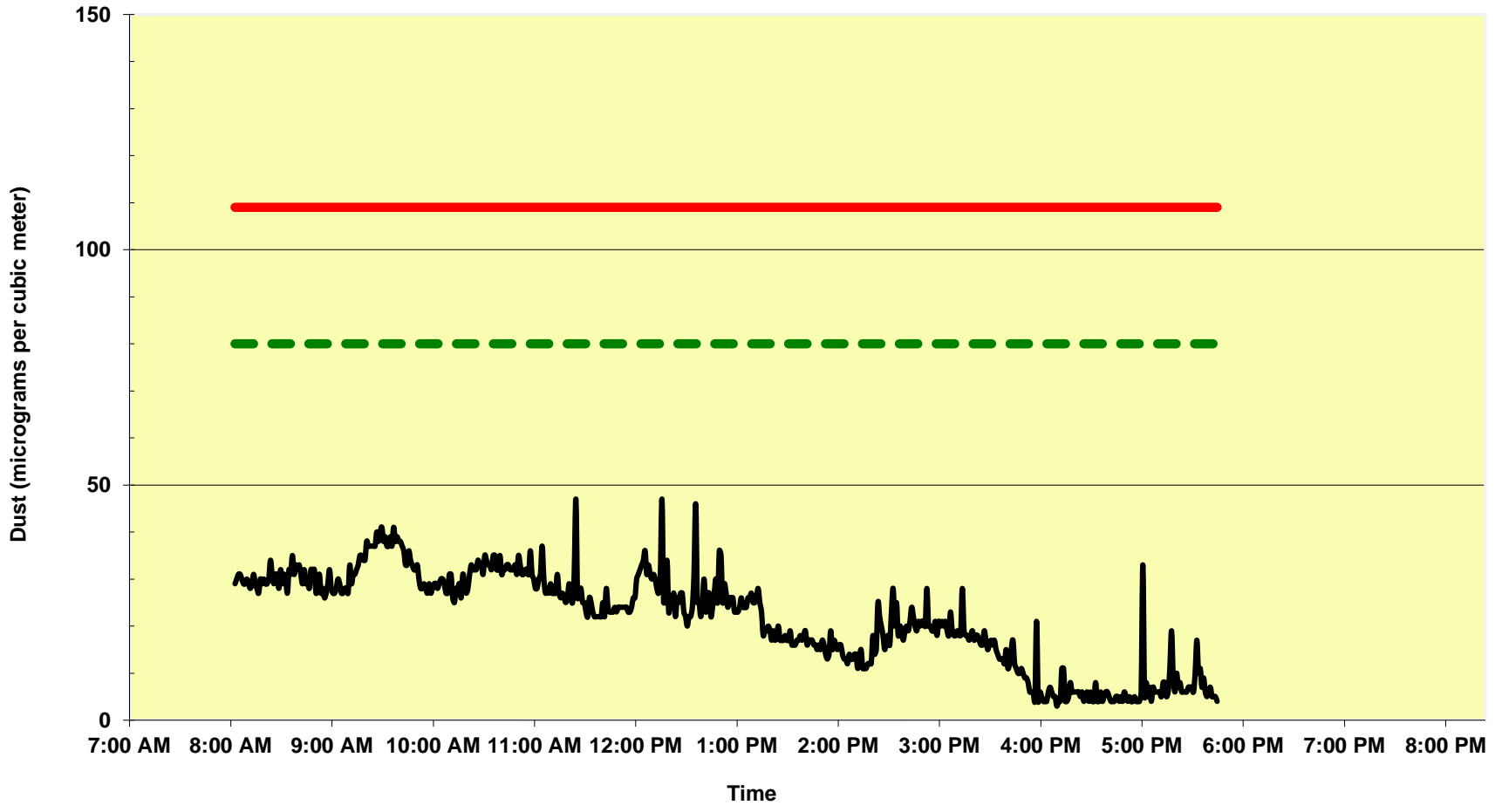
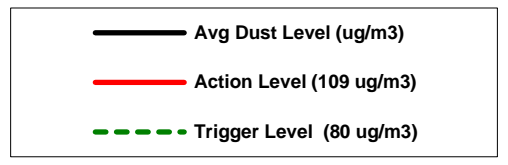
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Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 2 9/13/2018

Air Monitoring Results



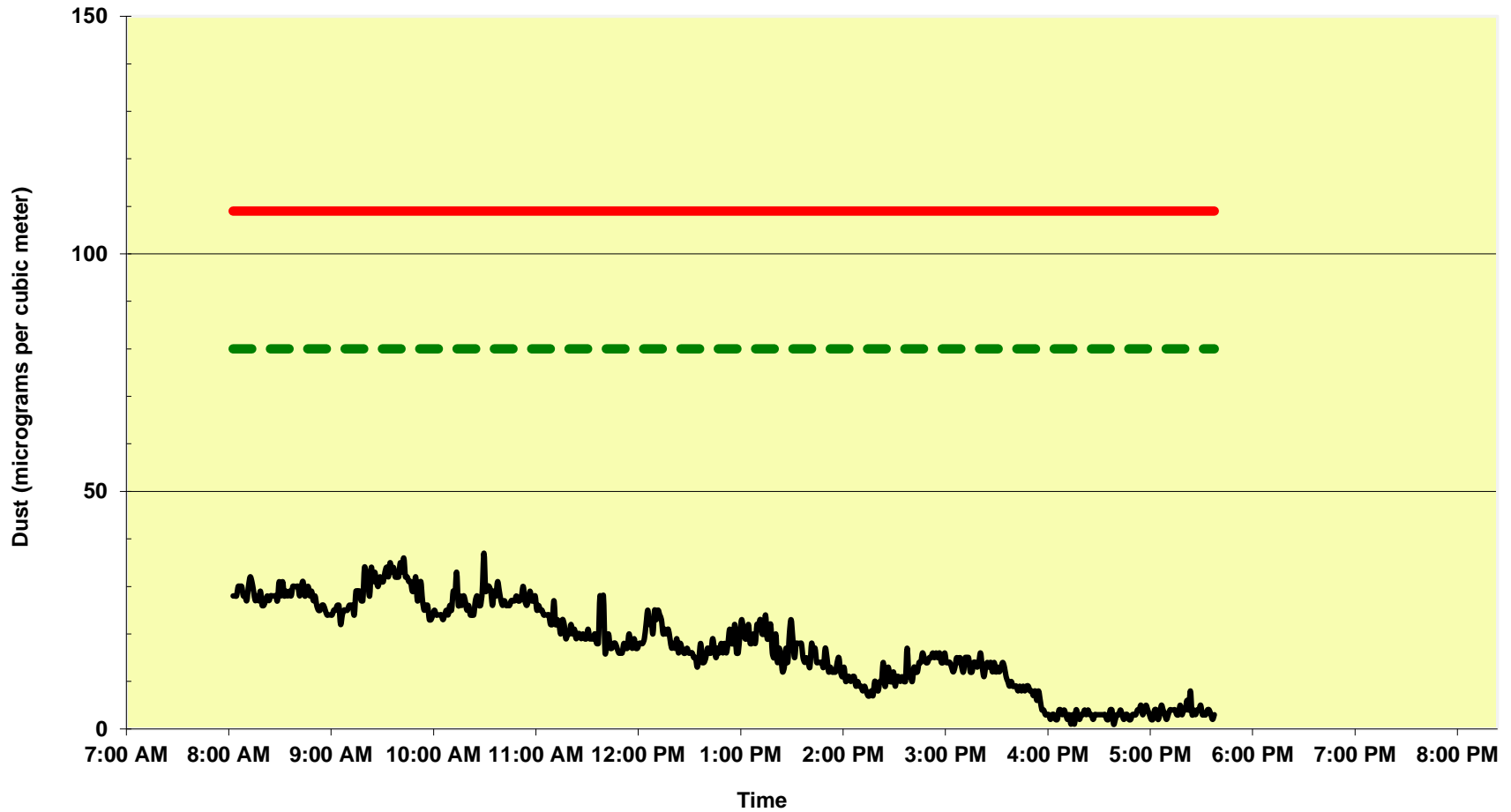
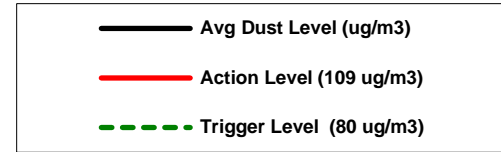
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Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 3 9/13/2018**

Air Monitoring Results



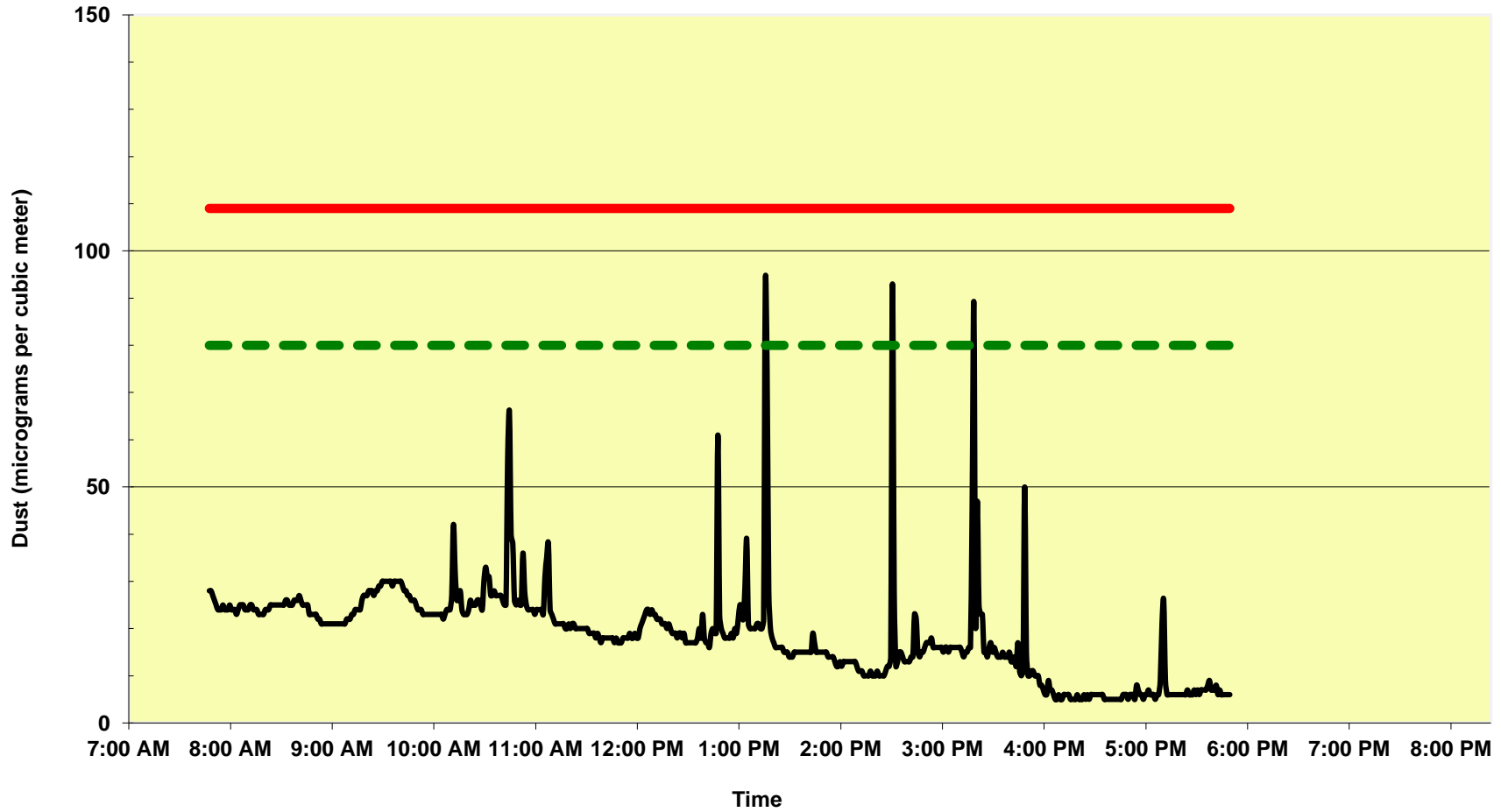
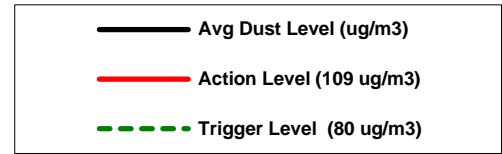
**Former Midland-Ross Site
Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 4 9/13/2018**

Air Monitoring Results



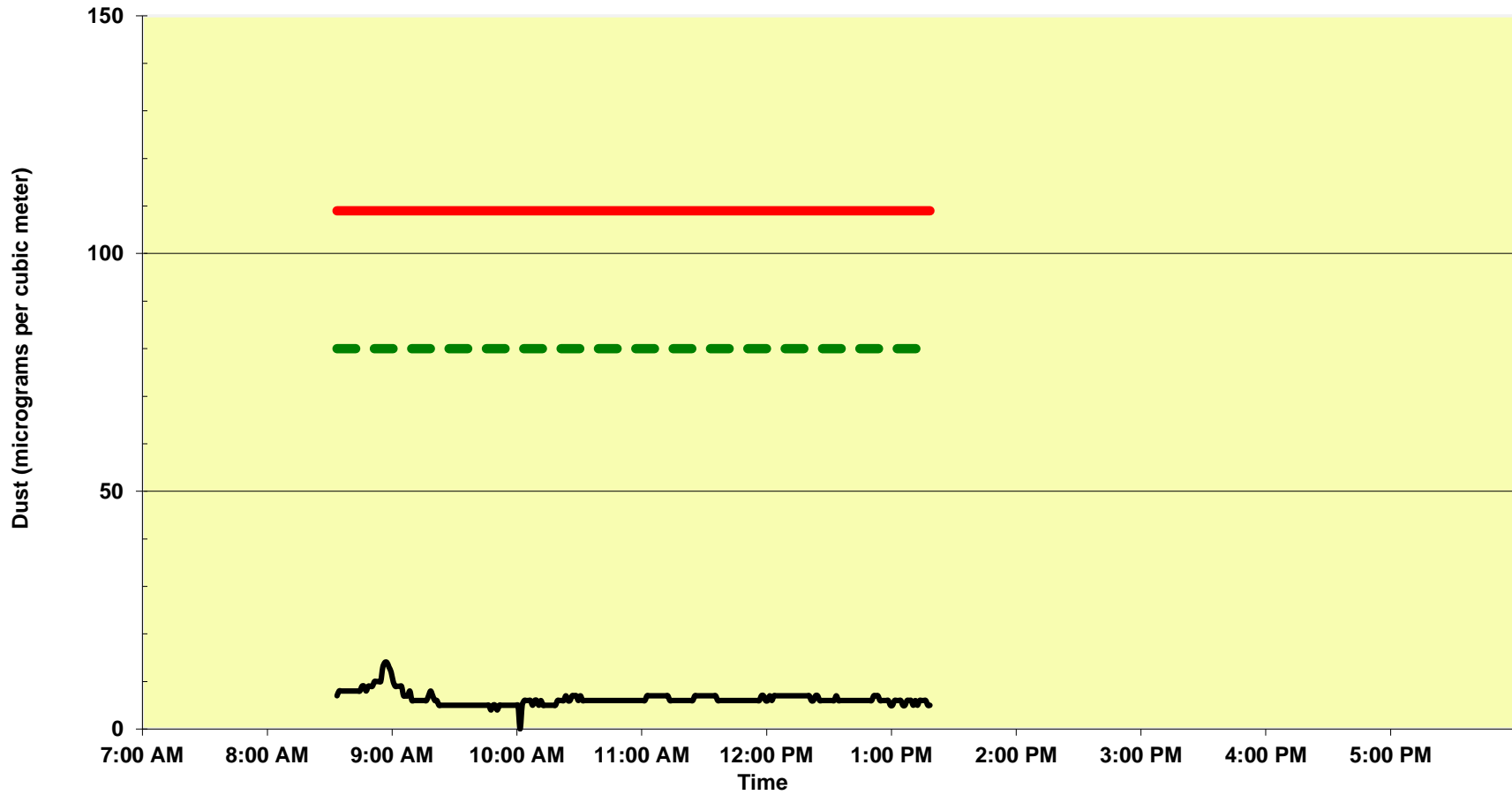
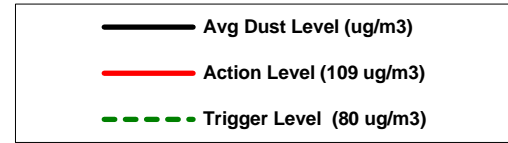
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Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 5 9/13/2018**

Air Monitoring Results



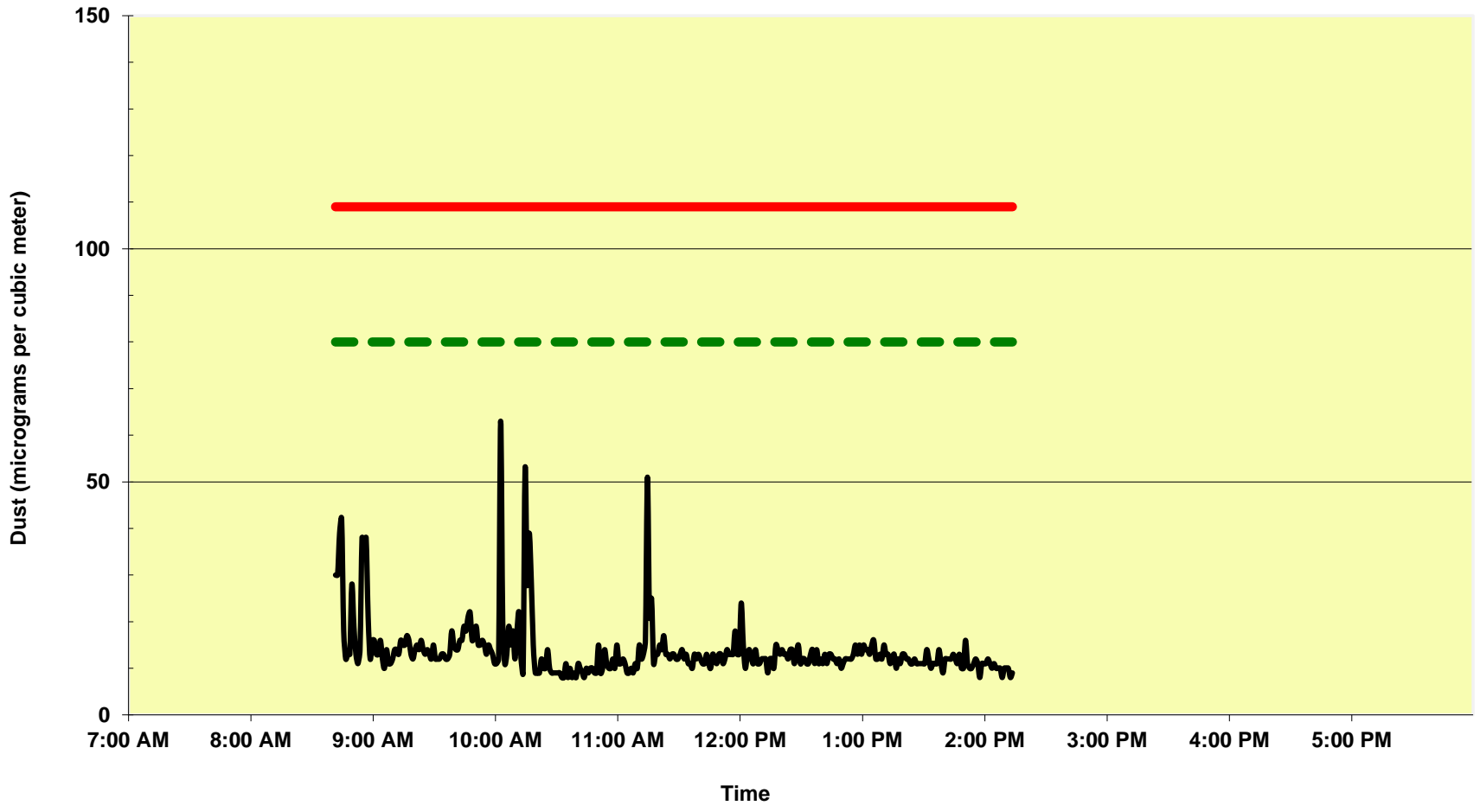
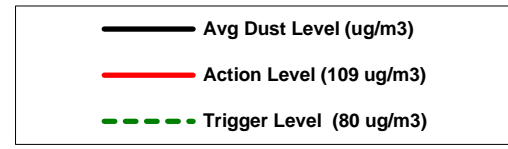
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Air Monitoring Results



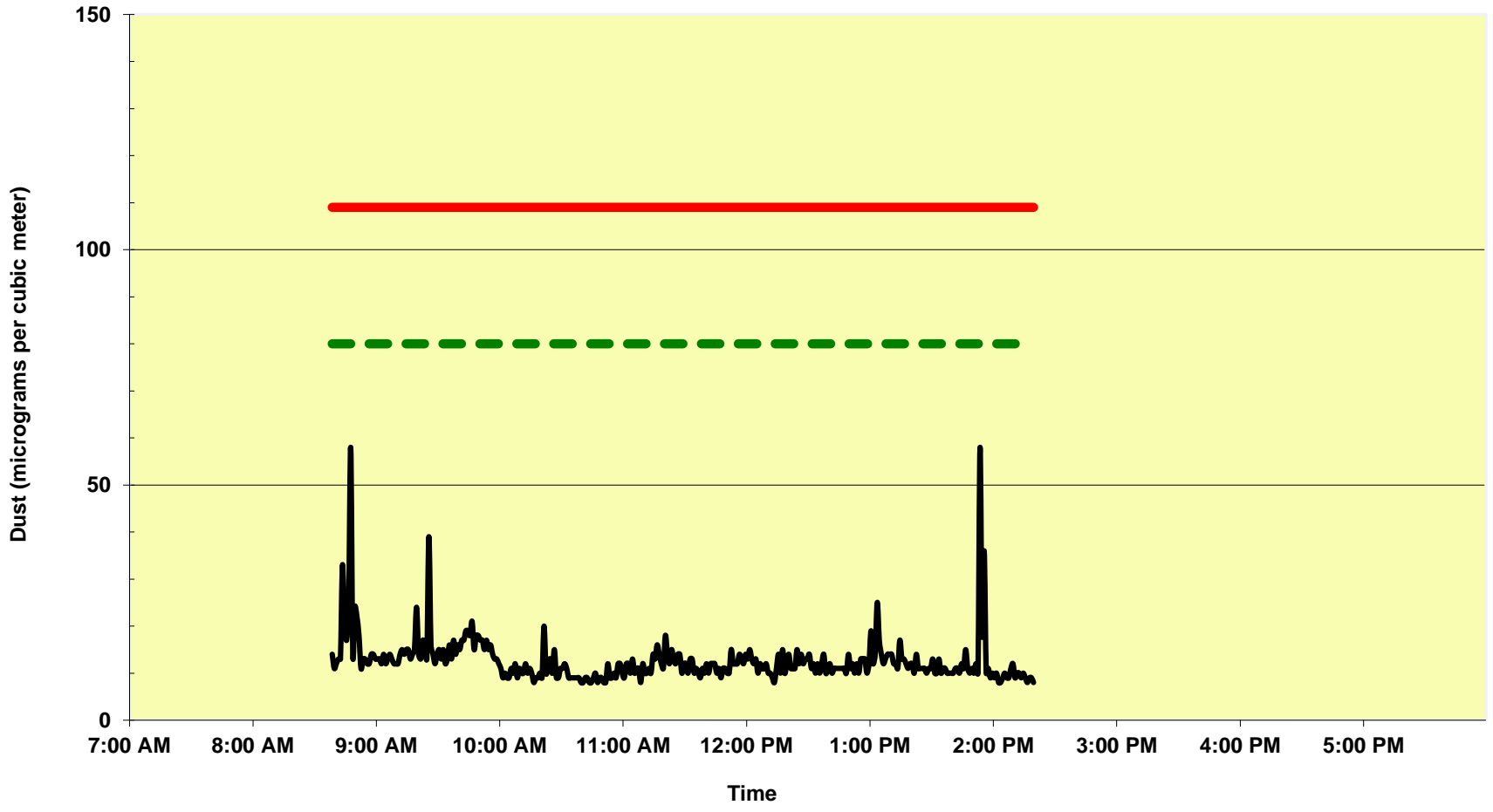
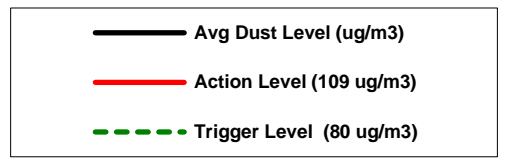
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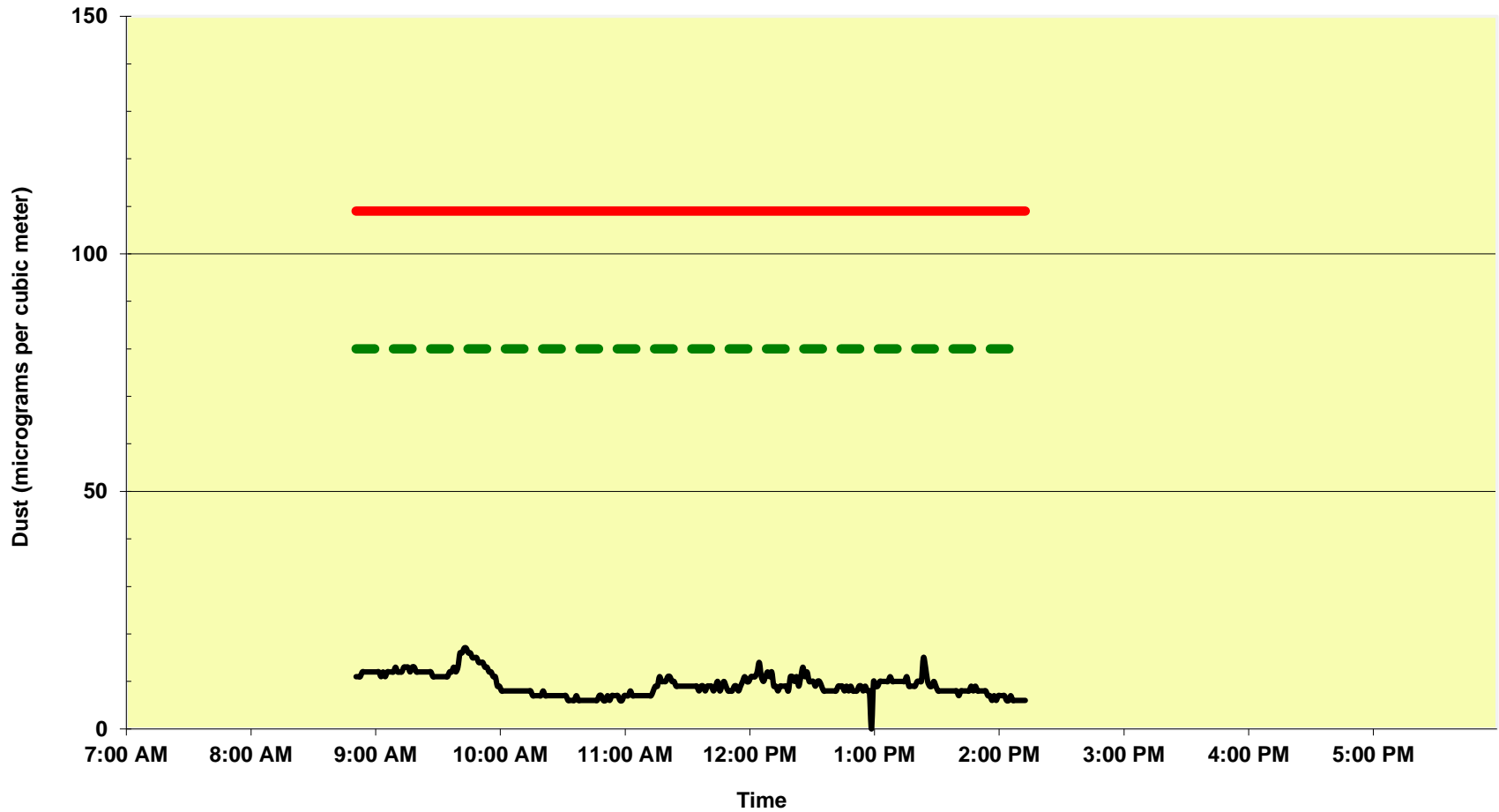
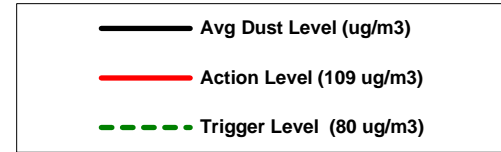
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Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 3 9/14/2018**

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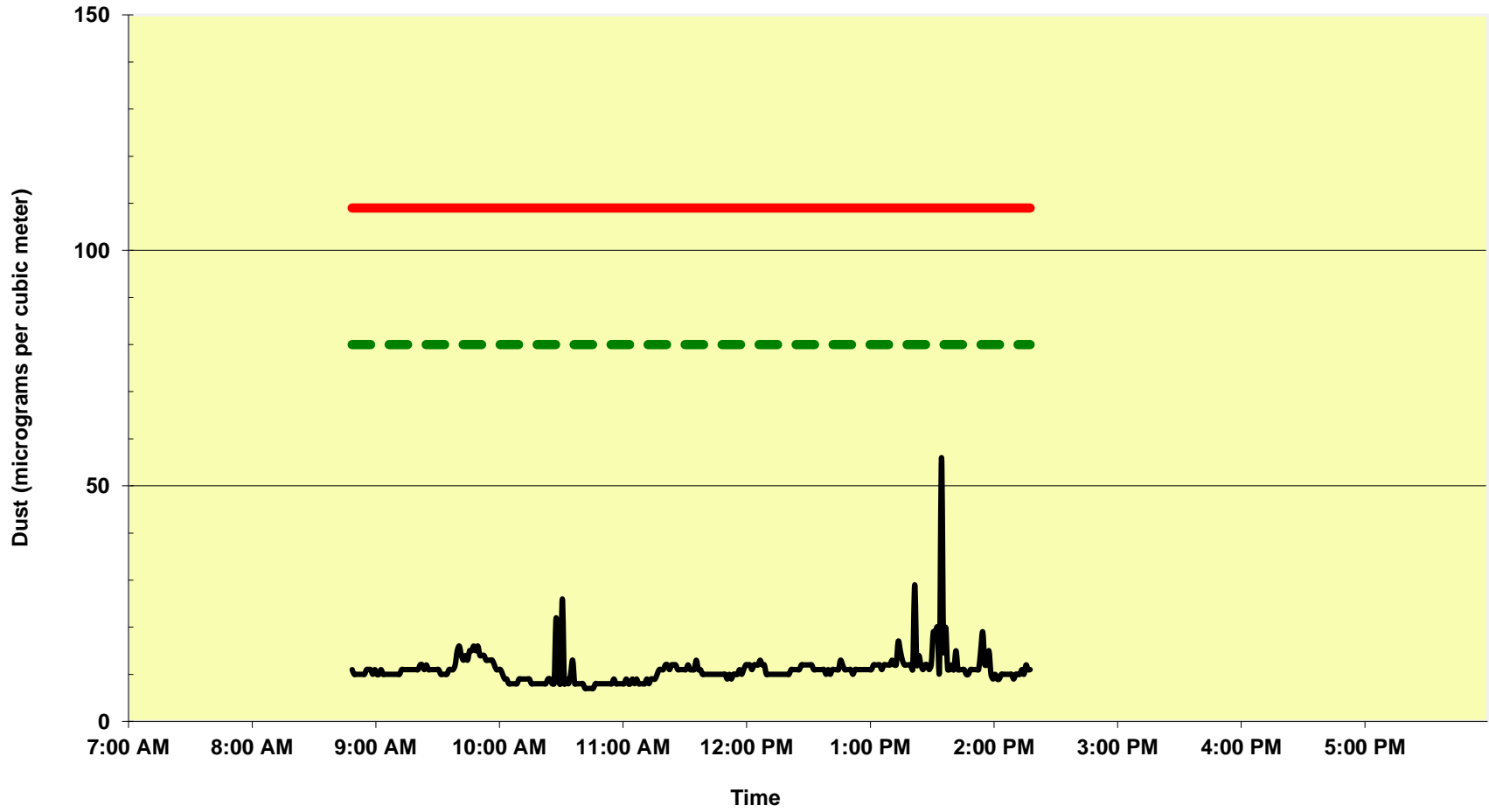
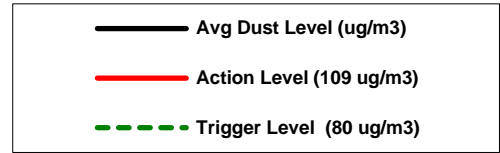
**Former Midland-Ross Site
Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 4 9/14/2018**

Air Monitoring Results



**Former Midland-Ross Site
Highland Park, New Jersey
Dust Monitoring Results
Air Monitor 5 9/14/2018**

Air Monitoring Results



LABORATORY AIR SAMPLE RESULTS

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

Analyte	CAS Number	Criteria	200-45280 AMS- 5-091318 4:00PM	Units	Qualifier
Metals					
Lead	7439-92-1	0.00049	0.000063	mg/m3 Filter	U
Copper	7440-50-8	0.48667	0.00032	mg/m3 Filter	U *
PAHS					
Phenanthrene	85-01-8	310	0.079	ug/m3 PUF	
Anthracene	120-12-7	31	0.028	ug/m3 PUF	U
Fluoranthene	206-44-0	310	0.028	ug/m3 PUF	U
Fluorene	86-73-7	310	0.029	ug/m3 PUF	
Naphthalene	91-20-3	14.6	0.11	ug/m3 PUF	
Acenaphthylene	208-96-8	310	0.028	ug/m3 PUF	U
Acenaphthene	83-32-9	310	0.028	ug/m3 PUF	U
Pyrene	129-00-0	310	0.028	ug/m3 PUF	U
Indeno[1,2,3-cd]pyrene	193-39-5	3.1	0.028	ug/m3 PUF	U
Benzo[a]pyrene	50-32-8	3.1	0.028	ug/m3 PUF	U
Benzo[g,h,i]perylene	191-24-2	31	0.028	ug/m3 PUF	U
Dibenz(a,h)anthracene	53-70-3	0.3	0.028	ug/m3 PUF	U
Chrysene	218-01-9	31	0.028	ug/m3 PUF	U
Benzo[a]anthracene	56-55-3	0.3	0.028	ug/m3 PUF	U
Benzo[k]fluoranthene	207-08-9	3.1	0.028	ug/m3 PUF	U
Benzo[b]fluoranthene	205-99-2	3.1	0.028	ug/m3 PUF	U
VOCs					
m-Xylene & p-Xylene	179601-23-1	487	3	ug/m3	
o-Xylene	95-47-6	487	1	ug/m3	
Chlorobenzene	108-90-7	4867	0.9	ug/m3	U
Ethylbenzene	100-41-4	4867	1	ug/m3	
1,1,2,2-Tetrachloroethane	79-34-5	5.9	1	ug/m3	U

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

Analyte	CAS Number	Criteria	200-45280 AMS- 5-091318 4:00PM	Units	Qualifier
4-Ethyltoluene	622-96-8	-	1	ug/m3	U
Styrene	100-42-5	4867	0.9	ug/m3	U
Bromoform	75-25-2	310	2	ug/m3	U
trans-1,3-Dichloropropene	10061-02-6	-	0.9	ug/m3	U
Toluene	108-88-3	24333	6	ug/m3	
4-Methyl-2-pentanone (MIBK)	108-10-1	14600	2	ug/m3	U
Chlorodibromomethane	124-48-1	12.6	2	ug/m3	U
Ethylene Dibromide	106-93-4	3.9	2	ug/m3	U
1,1,2-Trichloroethane	79-00-5	21.3	1	ug/m3	U
Tetrachloroethene	127-18-4	195	1	ug/m3	U
Hexachlorobutadiene	87-68-3	15.5	2	ug/m3	U
Ethanol	64-17-5	-	17	ug/m3	
Naphthalene	91-20-3	14.6	3	ug/m3	U
1,2,4-Trimethylbenzene	95-63-6	-	1	ug/m3	U
2-Chlorotoluene	95-49-8	-	1	ug/m3	U
1,3,5-Trimethylbenzene	108-67-8	-	1	ug/m3	U
1,2-Dichlorobenzene	95-50-1	973	1	ug/m3	U
1,2,4-Trichlorobenzene	120-82-1	9.7	4	ug/m3	U
1,4-Dichlorobenzene	106-46-7	3893	1	ug/m3	U
1,3-Dichlorobenzene	541-73-1	-	1	ug/m3	U
3-Chloro-1-propene	107-05-1	-	2	ug/m3	U
Isopropyl alcohol	67-63-0	-	12	ug/m3	U
Carbon disulfide	75-15-0	3407	2	ug/m3	U
1,1-Dichloroethene	75-35-4	2433	0.8	ug/m3	U
Acetone	67-64-1	150867	12	ug/m3	U
Methyl tert-butyl ether	1634-04-4	14600	0.7	ug/m3	U

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

Analyte	CAS Number	Criteria	200-45280 AMS- 5-091318 4:00PM	Units	Qualifier
trans-1,2-Dichloroethene	156-60-5	-	0.8	ug/m3	U
2-Methyl-2-propanol	75-65-0	-	15	ug/m3	U
Methylene Chloride	75-09-2	2920	15	ug/m3	
1,1,2-Trichloro-1,2,2-trifluoroethane	76-13-1	146000	2	ug/m3	U
Vinyl chloride	75-01-4	487	0.5	ug/m3	U
Butadiene	106-99-0	-	1	ug/m3	
Chloromethane	74-87-3	438	1	ug/m3	
1,2-Dichloro-1,1,2,2-tetrafluoroethane	76-14-2	-	1	ug/m3	U
Dichlorodifluoromethane	75-71-8	487	2	ug/m3	U
Trichlorofluoromethane	75-69-4	3407	1	ug/m3	
Vinyl bromide	593-60-2	-	0.9	ug/m3	U
Bromomethane	74-83-9	24.3	0.8	ug/m3	U
Chloroethane	75-00-3	48667	1	ug/m3	U
Hexane	110-54-3	-	6	ug/m3	
Trichloroethene	79-01-6	9.7	1	ug/m3	U
n-Heptane	142-82-5	-	1	ug/m3	
Benzene	71-43-2	14.6	3	ug/m3	
1,2-Dichloroethane	107-06-2	1947	0.8	ug/m3	U
Dichlorobromomethane	75-27-4	9.2	1	ug/m3	U
cis-1,3-Dichloropropene	10061-01-5	97.3	0.9	ug/m3	U
1,4-Dioxane	123-91-1	146	18	ug/m3	U
Methyl methacrylate	80-62-6	-	2	ug/m3	U
1,2-Dichloropropane	78-87-5	19.5	0.9	ug/m3	U
2-Butanone (MEK)	78-93-3	24333	1	ug/m3	U
Chloroform	67-66-3	1460	1	ug/m3	U
1,1-Dichloroethane	75-34-3	973	0.8	ug/m3	U

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

Analyte	CAS Number	Criteria	200-45280 AMS- 5-091318 4:00PM	Units	Qualifier
cis-1,2-Dichloroethene	156-59-2	-	0.8	ug/m3	U
Isooctane	540-84-1	-	3	ug/m3	
Carbon tetrachloride	56-23-5	195	1	ug/m3	U
Cyclohexane	110-82-7	29200	0.7	ug/m3	
Tetrahydrofuran	109-99-9	-	15	ug/m3	U
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.