



ARCADIS of New York, Inc.
6723 Towpath Road
P O Box 66
Syracuse
New York 13214-0066
Tel 315 446 9120
Fax 315 449 4111

MEMO

To:

Steven Scharf, P.E., NYSDEC
Katy Murphy, NYSDEC
Renata Ockerby, NYSDOH
Julia Schneider, Cashin Spinelli & Ferretti, LLC
Scott Krall, Bayer
David Paule, Bayer
John Brussel, P.E., ARCADIS

David Kingsley, ARCADIS
Gregory McDermott, ARCADIS
Michael Perciballi, Posillico
Lee Kaplan, Posillico
Chris Hurst, Posillico
Marc Atamian, Posillico

From:

Andrew Enigk, ARCADIS

Date:

September 24, 2014

ARCADIS Project No.:

B0032305.2013

Subject:

Bayer MaterialScience LLC
125 New South Road, Hicksville, New York
Phase 2 Operable Unit 4 Remedial Activities
September 17, 2014 Weekly Construction Coordination Meeting Summary
Weekly Progress Report #2 (September 8, 2014 – September 12, 2014)

This memorandum summarizes items discussed during the September 17, 2014 weekly construction coordination meeting, including work performed during the previous week, in connection with the Phase 2 Operable Unit 4 (OU4) remedial activities at the above-referenced Site. The remedial activities are being implemented by Bayer MaterialScience LLC's (Bayer's) remedial contractor (Posillico) with onsite construction/engineering oversight provided by ARCADIS. The work activities during the reporting period were as observed by Gregory McDermott of ARCADIS.

MEETING ATTENDEES

The following personnel attended the weekly construction coordination meeting:

- Renata Ockerby – NYSDOH (call-in)
- Julia Schneider – Cashin Spinelli & Ferretti, LLC (representing the Town of Oyster Bay)(call-in)
- Scott Krall – Bayer (call-in)
- David Paule – Bayer (call-in)
- John Brussel – ARCADIS (call-in)
- David Kingsley – ARCADIS (call-in)
- Andrew Enigk – ARCADIS (call-in)

- Greg McDermott – ARCADIS
- Lee Kaplan – Posillico (call-in)
- Chris Hurst – Posillico (call-in)
- Marc Atamian – Posillico (call-in)

HEALTH AND SAFETY MOMENT

- Posillico emphasized the importance of Stop Button (safety term used by Posillico), also known as Stop Work Authority (safety term used by ARCADIS). Stop Button is the right of all site personnel to stop work if new or unanticipated hazards are identified, conditions change, hazards are not adequately controlled, work being performed is not clearly understood by all persons involved, or anytime site personnel feel someone's safety is at risk.

SAFETY/SAFE WORK PRACTICES

- Posillico indicated that no incidents have occurred this week and that work has proceeded safely.

AIR MONITORING

- Posillico identified Preferred Environmental Services as their subcontractor that will perform community air monitoring at the Site once intrusive and/or potential dust generating remedial construction activities begin.

ACTION ITEMS OUTSTANDING FROM PREVIOUS MEETING

- The NYSDEC will verify that Bill Fonda is still the Public and Media Affairs contact for the Site so that Posillico can make the appropriate changes to the project sign.

COMPLETED WORK / WORK-IN-PROGRESS

Work activities performed by Posillico during this period were in preparation for remediation and included the following:

- Completing onsite and offsite utility mark outs by Posillico's private utility locating subcontractor (Naeva Geophysics, Inc.) and Dig Safely New York, respectively.
- Completing remaining in-situ waste characterization sampling of the existing stockpiled waste material at the Site and within the proposed new excavation areas identified in the Remedial Design Addendum.
- Collecting samples from its proposed offsite clean fill source (Wellwood Cemetery located at 1622 Little East Neck Road, West Babylon, New York) on September 8, 2014 for laboratory analysis by

York Analytical Laboratories, Inc. (this task was prematurely reported on last week's progress report, but was actually completed within the reporting period covered by this progress report). Posillico collected two composite samples for semi-volatile organic compounds (SVOCs), inorganics, polychlorinated biphenyls (PCBs), and pesticides, and seven discrete samples for volatile organic compounds (VOCs) representing the first 1,000 cubic yards of material to be imported to the Site in accordance with the sampling requirements in Table 5.4(e)10 of the New York State Department of Environmental Conservation (NYSDEC) document titled, "DER-10 Technical Guidance for Site Investigation and Remediation" (DER-10). ARCADIS observed the sampling activities at the fill source.

- Completing hand clearing of brush surrounding utility and excavation area mark-out locations.
- Continuing to perform baseline and pre-excavation topographic survey activities using its in-house surveyor.
- Starting to mobilize equipment and site trailers and establish electric power to the trailers.
- Starting tree clearing (trees less than 8-inches in diameter) and clearing of large brush from the cap area.
- Starting erosion/sediment control measures inspection, maintenance, and documentation.

PROPOSED WORK ACTIVITIES

Posillico's two-week "look ahead" schedule is included as Attachment A and summarized below:

- Continue site clearing activities.
- Continue mobilizing equipment and site trailers and establish electric power to the trailers.
- Continue survey activities.
- Continue erosion/sediment control measures inspection, maintenance, and documentation.
- Start chipping of trees and large brush from site clearing activities.
- Start construction of site haul roads using tree and large brush chippings to line the roads.
- Start removal of debris from Administration Building.
- Start installation of new erosion/sediment control measures.

OPEN DISCUSSION

- The CAMP provided in the Remedial Design (ARCADIS, February 2013) specifies the use of four air monitoring stations (one upwind and three downwind) with each being determined daily based on the wind direction and work activities. Also, the CAMP specifies that an upwind monitoring station be used to establish background levels at the site each work day. During the September 10, 2014 conference call, baseline air monitoring at the site was discussed. However, the conversations did not consider the baseline air monitoring that was previously performed at the site by Preferred Environmental Services (PES) prior to the start of intrusive Phase 1 OU4 remedial activities. As discussed during the September 17, 2014 conference call, the baseline monitoring event provided data that are representative of pre-remediation (background) conditions and relevant to the Phase 2 OU4 remedial activities. For convenient reference, the baseline monitoring results (from the monitoring performed by PES on February 28, 2013 and March 1, 2013) are provided in the attached report, which was previously submitted to the NYSDOH in February 12, 2013 e-mail correspondence from PES. The re-start of air monitoring activities at the site is expected to be seamless with the remedial contractor, Posillico, using the same third party independent contractor that performed the community air monitoring during the Phase 1 OU4 remedial activities (PES).

ACTION ITEMS

- There were no action items discussed during this meeting, other than getting confirmation of the citizen participation specialist's name to be posted on the NYSDEC project sign.

ATTACHMENTS

- Attachment A: Posillico's Two-Week "Look Ahead" Schedule
- Attachment B: Weekly Sign-In Sheet
- Attachment C: Weekly Site Photos
- Attachment D: Baseline Air Monitoring Results

For future memorandums, the following attachments will also be provided.

- Excavation/Backfilling Progress Table
- Excavation/Backfilling Progress Figure

Upon receipt of this memorandum, please notify Mr. Andrew Enigk of ARCADIS at 315.671.9548 within 5 days if you believe that any portion of this summary does not accurately reflect issues discussed/resolved during the meeting, or if additional items should be recorded in this summary. If modifications are made, a follow-up memorandum will be distributed.

Attachment A

Two-Week Look Ahead Schedule

BY: Chris Hurst

General Issues / Change Orders		Ball In Court
1		
2		
3		

Attachment B

Weekly Sign-In Sheet

**WEEKLY MEETING SIGN-IN
REMEDIAL DESIGN IMPLEMENTATION - OU4 PHASE II
BAYER MATERIAL SCIENCE, LLC
125 NEW SOUTH ROAD
HICKSVILLE, NEW YORK**

DATE: 09/17/2014

[illegible]

Attachment C

Weekly Site Photos

Weekly Progress Report #2 (September 8, 2014 – September 12, 2014)

Weekly Site Photos



Posillico's drilling subcontractor (Eastern Environmental Inc.) collecting in-situ waste characterization samples.



Posillico conducting site clearing activities with Caterpillar 299D Compact Track Loader with Brush-Hog attachment.

Weekly Progress Report #2 (September 8, 2014 – September 12, 2014)

Weekly Site Photos



Posillico performing baseline and pre-excavation topographic survey activities using its in-house surveyor.



Posillico transporting cleared trees (less than 8-inch in diameter) and large brush across site during site clearing activities.

Attachment D

Baseline Air Monitoring Results

**COMMUNITY AIR MONITORING WEEKLY REPORT
(WEEK ENDING 3/1/13)**

**BAYER MATERIALSCIENCE LLC
OU4 REMEDIAL ACTION – NYSDEC SITE #130004
125 NEW SOUTH ROAD, HICKSVILLE, NEW YORK**

This report summarizes the results of the community air monitoring performed by Preferred Environmental Services (PES) from February 28, 2013 to March 1, 2013 in connection with the implementation of the OU4 remedial action by the Environmental Quality Company (EQ) and its subcontractors, on behalf of Bayer MaterialScience LLC (Bayer) at the Bayer site in Hicksville, New York (the "site").

A. AIR MONITORING ACTIVITIES

Air monitoring activities were performed in accordance with the Community Air Monitoring Plan (CAMP) included as Appendix D to the New York State Department of Environmental Conservation (NYSDEC) approved Remedial Design (ARCADIS, February 2013) for the above referenced site. Air Monitoring was performed at stations that were labeled with the following IDs:

- UP = Upwind
- DN1 = Downwind 1
- DN2 = Downwind 2
- DN3 = Downwind 3

The daily locations of the air monitoring stations are shown on the site maps included in Attachment 1.

B. AIR MONITORING RESULTS

No volatile organic compounds (VOCs) or particulates (PM-10) were measured above the action levels in the CAMP for the above-referenced monitoring period. The action levels are 5 parts per million (PPM) above background for VOCs and .150 milligrams per cubic meter (mg/m³) above background for PM-10. The range of VOCs and PM-10 concentrations measured during this monitoring period (15 minute time-weighted averages) are summarized below.

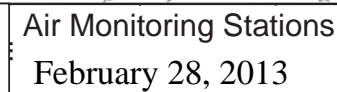
Monitoring Station	VOC Results (PPM)		PM-10 (mg/m ³)	
	Minimum	Maximum	Minimum	Maximum
UP	0.0	0.0	.003	.035
DN1	0.0	0.0	.006	.054
DN2	0.0	0.0	.004	.032
DN3	0.0	0.0	.005	.049

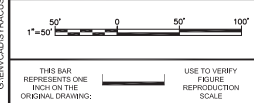
The VOC and PM-10 data collected for the week are plotted on the graphs included in Attachment 2. A separate graph is provided for each monitoring station and each graph present the full set of 15 minute time-weighted averages (TWA) for VOCs and PM-10 for that station. The raw data files from the individual monitors and meteorological data from the weather station are included in the attached zip file.

Please do not hesitate to contact David Kahn (PES CAMP Monitor) at 718-354-0089, Gregory McDermott (ARCADIS Onsite Construction Oversight) at 516-592-1740 or Andrew Enigk (ARCADIS Assistant Project Manager) at 315-671-9548 if you have any questions or need additional information regarding this report.

ATTACHMENT 1

AIR MONITORING STATION DAILY LOCATIONS

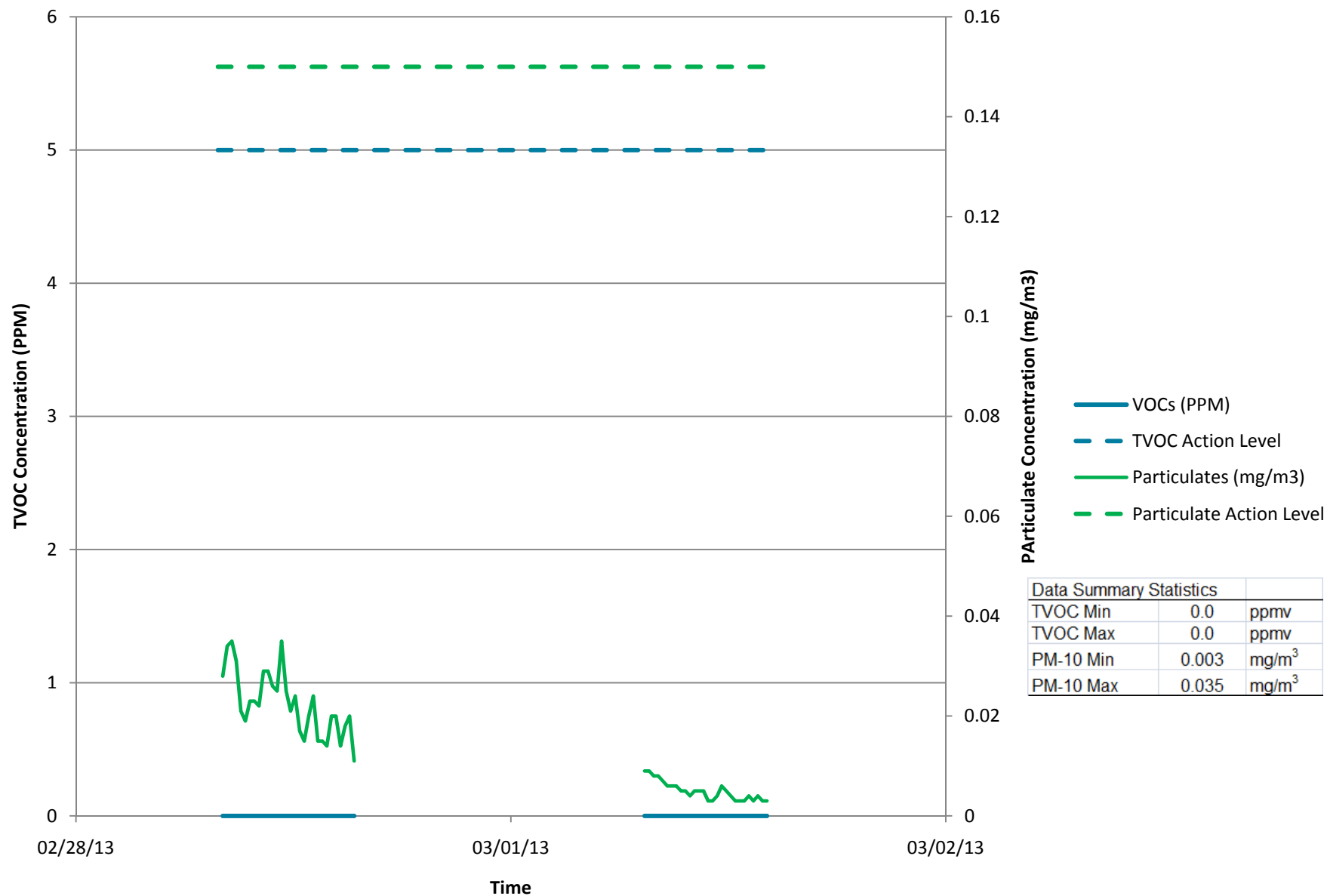




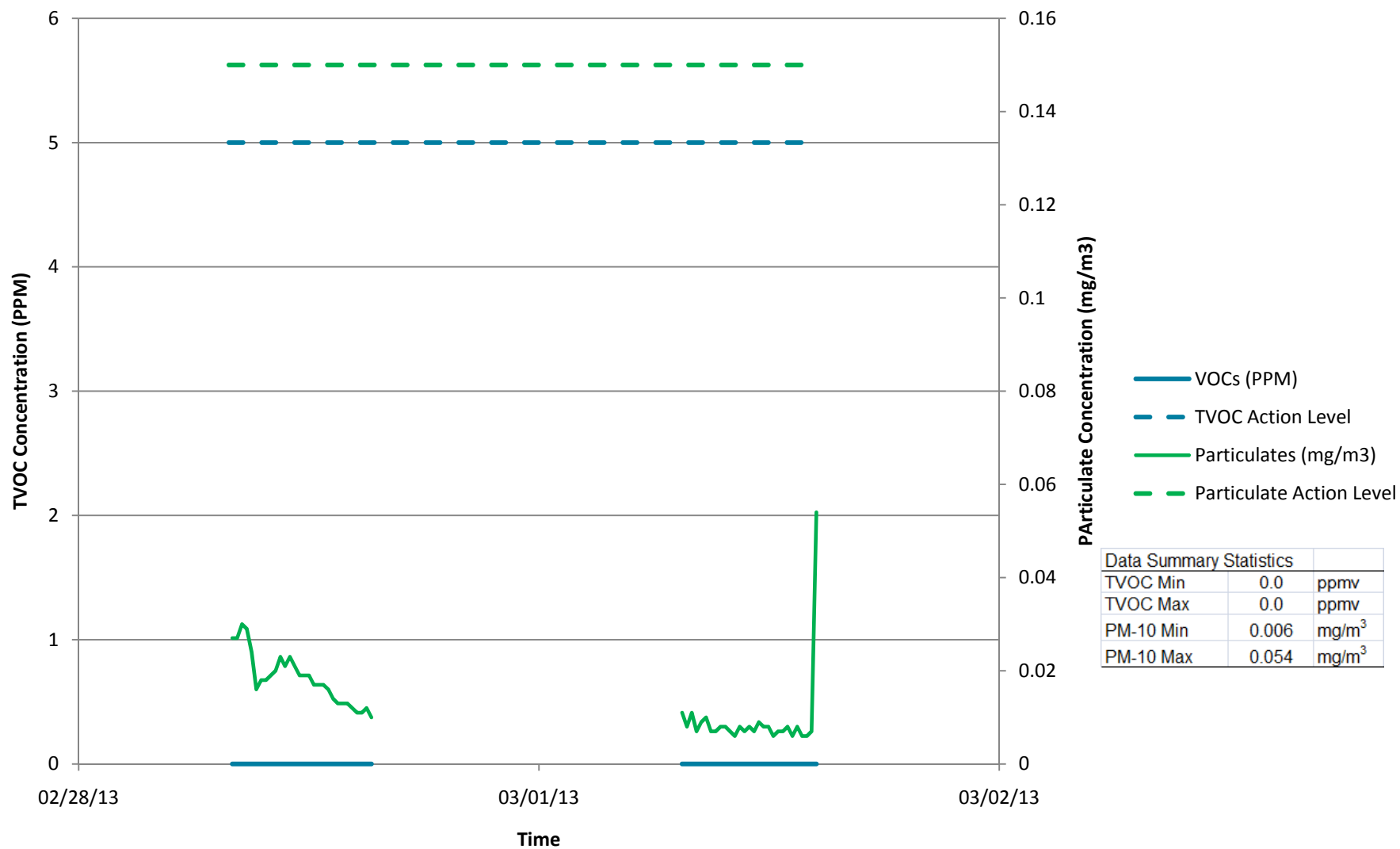
ATTACHMENT 2

PERIMETER AIR MONITORING DATA GRAPHS FOR EACH MONITORING STATION

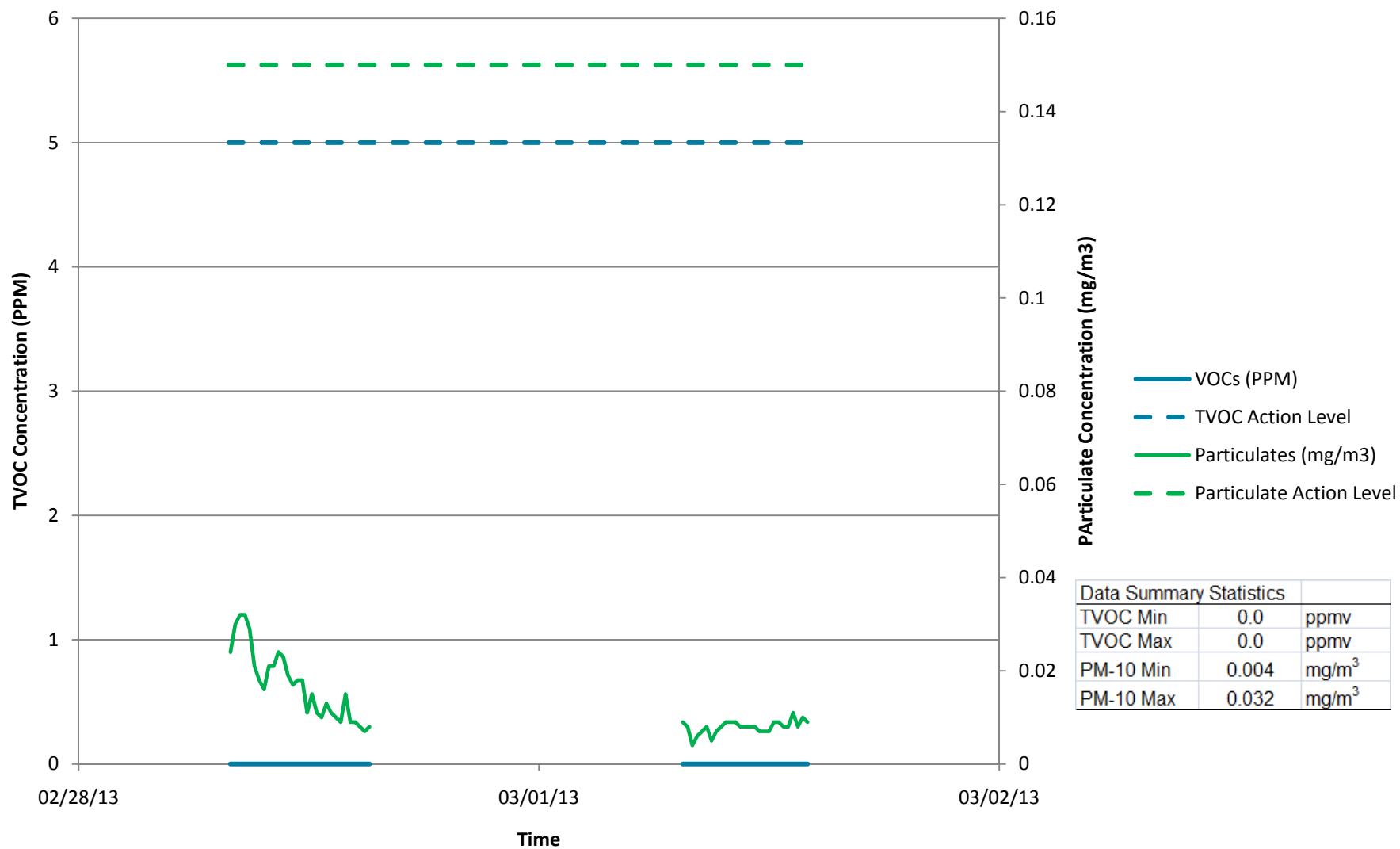
CAMP Monitoring Data- Station UP
Bayer Material Science LLC. - NYSDEC Site # 130004
125 New South Road, Hicksville, New York



CAMP Monitoring Data- Station DN1
Bayer Material Science LLC. - NYSDEC Site # 130004
125 New South Road, Hicksville, New York



CAMP Monitoring Data- Station DN2
Bayer Material Science LLC. - NYSDEC Site # 130004
125 New South Road, Hicksville, New York



CAMP Monitoring Data- Station DN3
Bayer Material Science LLC. - NYSDEC Site # 130004
125 New South Road, Hicksville, New York

