

**Former Lockheed Martin
French Road Facility
Utica, New York
Solvent Dock Area
NYSDEC Site #6-20080321-5**

**Second Quarter 2017
Corrective Action Progress Report**



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Table of Contents

PURPOSE	1
1. SUMMARY OF WORK COMPLETED DURING THE REPORTING PERIOD	2
2. SUMMARY OF FINDINGS MADE DURING THE REPORTING PERIOD	3
3. SUMMARY OF CHANGES MADE DURING THE REPORTING PERIOD	3
4. SUMMARY OF CONTACTS MADE WITH REPRESENTATIVES OF THE LOCAL COMMUNITY AND PUBLIC INTEREST GROUPS DURING THE REPORTING PERIOD	3
5. SUMMARY OF PROBLEMS ENCOUNTERED DURING THE REPORTING PERIOD	3
6. CHANGES IN PERSONNEL CONDUCTING OR MANAGING THE CORRECTIVE MEASURES DURING THE REPORTING PERIOD	3
7. SUMMARY OF WORK PLANNED FOR THE NEXT REPORTING PERIOD	3

ACRONYMS

DMR	Discharge Monitoring Report
FNPD	Former Northern Perimeter Ditch
GCTS	groundwater collection and treatment system
ICM	interim corrective measure
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OM&M	operation, monitoring and maintenance
PLC	Programmable Logic Controller
SMP	Site Management Plan
SPDES	State Pollutant Discharge Elimination System
SSDS	sub-slab depressurization system

Purpose

On behalf of Lockheed Martin Corporation (Lockheed Martin), Tetra Tech Inc. (Tetra Tech) has prepared this **Second Quarter 2017 Corrective Action Progress Report** for the Solvent Dock Area at the former Lockheed Martin French Road facility in Utica, New York (the Site). This report is required by the October 3, 2008 New York State Department of Environmental Conservation

(NYSDEC) Order on Consent (the Order; CO 6-20080321-5), and in Attachment 3-1 (Corrective Action Requirements), Section B.8, of the Order. The following sections summarize activities and information for the Second Quarter (April, May, and June) of 2017.

1. Summary of Work Completed During the Reporting Period

The following activities were completed during the reporting period:

- Obtained monthly samples of effluent water from the groundwater collection and treatment system (GCTS) for compliance with the existing State Pollutant Discharge Elimination System (SPDES) permit (NY-012-1894). Results were documented in monthly Discharge Monitoring Reports (NetDMRs) submitted to NYSDEC.
- Performed ongoing operation, monitoring and maintenance (OM&M) of the interim corrective measure (ICM) for groundwater (i.e., GCTS). The Programmable Logic Controller (PLC) was recording erroneous readings from flow transmitter 103 (FT-103). In April, the PLC was repaired and FT-103 flow readings have been normal since the repair was completed.
- Performed ongoing OM&M of the ICM for sub-slab soil gas (i.e., the sub-slab depressurization system, or SSDS). Results of a 24-hour continuous pressure test at vacuum monitoring point VMP-8C did not consistently meet the criterion of 0.004 inches of water column. An instantaneous vacuum reading at vacuum monitoring point VMP-3E was at the vacuum criterion, but did not exceed it. As a result, VMP-8C and VMP-3E were replaced with new vacuum monitoring points employing a longer screen and 24-hour continuous pressure testing was performed at both locations. Test results indicated that VMP-3E exceeded the vacuum criterion with the longer screen, but the requisite vacuum was not met consistently over the full duration of the test for the replacement at VMP-8C. In response, vacuum was adjusted at one of the system's sub-slab depressurization sumps to maximize vacuum at VMP-8C while maintaining balanced flow across the system. The New York State Department of Health (NYSDOH) verbally approved results of the balancing and corresponding SSDS performance during a June 28, 2017 conference call with NYSDOH and NYSDEC. VMP-8C is scheduled to be tested during the July OM&M inspection and NYSDEC/ NYSDOH will be provided the results.
- The repair was completed, on May 26, 2017, flush mounts at PZ-35 and PZ-39 that were observed during the annual monitoring well inspection to be damaged.
- NYSDEC/NYSDOH conditionally approved the 2016 Site Management Report in NYSDEC's letter dated May 11, 2017. The condition requires that Lockheed Martin notify NYSDEC/NYSDOH in the event of a statistically defined sudden increase in contaminant levels as part of the evaluation of groundwater monitoring results. Lockheed Martin approved of this condition in its e-mail dated May 11, 2017.
- The Former Northern Perimeter Ditch (FNPD) source area and surface soil locations soil removal final design and implementation procurement process is near completion. In response to the plan to demolish the on-site pole barn, Lockheed Martin is assessing the pole barn's replacement cost.

- Conducted, on April 24, May 25, and June 28, 2017, routine monthly project update conference calls with NYSDEC (Sarah Saucier/Jamie Verrigni) and NYSDOH (Steve Karpinski).

2. Summary of Findings Made During the Reporting Period

The following findings were made during the reporting period:

- Results of 24-hour pressure testing at VMP-8C indicated that the most favorable vacuum conditions exist when the valve at sub-slab depressurization sump SDS-5 is set at the 5 turn position.
- Results of 24-hour pressure testing at VMP-3E indicated that replacing VMP-3E with a monitoring point constructed of a longer screen increased the vacuum as monitored at that point.

3. Summary of Changes Made During the Reporting Period

- There were no changes made during the reporting period.

4. Summary of Contacts Made with Representatives of the Local Community and Public Interest Groups During the Reporting Period

- No interaction occurred with local community or public interest groups during the reporting period.

5. Summary of Problems Encountered During the Reporting Period

- No significant problems were encountered during the reporting period.

6. Changes in Personnel Conducting or Managing the Corrective Measures During the Reporting Period

- Jamie Verrigni, PE transitioned into the role of NYSDEC Project Manager, replacing Sarah Saucier, PE.

7. Summary of Work Planned for the Next Reporting Period

The following activities are scheduled or anticipated for completion during the next reporting period:

- Continue operation and maintenance of the GCTS, including monthly effluent sampling for compliance with the existing SPDES permit and quarterly sampling and monitoring; data to be provided as part of the monthly NetDMRs and quarterly system OM&M summaries.
- Continue operation and maintenance of the SSDS, including quarterly SSDS sampling and monitoring; data to be provided as part of the quarterly system OM&M summaries.
- Continue monthly project status calls with NYSDEC and NYSDOH.

- As needed and appropriate, continue to provide copies of project documents to the project repository (Utica Public Library) and upload electronic versions to the Lockheed Martin Solvent Dock Archive website.
- Finalize the procurement process for the FNP source area and surface soil locations soil removal action.
- Finalize the assessment of costs to replace the pole barn.
- Address potential comments from NYSDEC pending their review of the draft Environmental Easement.
- Conduct site visit on July 11, 2017 with NYSDEC/NYSDOH.

End of Report