

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

**First Quarter 2017
Corrective Action Progress Report**



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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
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 **First 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 First Quarter (January, February, and March) 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).
- 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. As a result, VMP-8C will be replaced. Additionally, VMP-3E was at the vacuum criterion (but did not exceed it) during the last instantaneous reading event and so it will also be replaced.
- Vapor Intrusion Monitoring, Stantec completed vapor probe decommissioning on January 3, 2017.
- Performed, during the period January 16 through 18, 2017, the Annual 2017 groundwater sampling in accordance with the *Interim Groundwater Monitoring Program*. Note that as of the January 2017 event, groundwater monitoring is now annual, to be performed on a 15-month cycle. Monitoring wells designated for groundwater sampling therefore reflect annual frequency and not the previous quarterly schedule.
- The 2016 Site Management Report was submitted to NYSDEC and NYSDOH on February 22, 2017.
- Completed the Former Northern Perimeter Ditch (FNPD) source area and surface soil locations soil removal 30% design. Procurement of the final design and implementation was initiated. In response to the plan to demolish the on-site pole barn, ConMed requested reimbursement. Lockheed Martin began assessment of the pole barn's replacement cost.
- Conducted, on January 24, February 24, March 1, and March 29 2017, routine monthly project update conference calls with NYSDEC (S. Saucier) and NYSDOH (S. Karpinski).
- Submitted, on March 14, 2017, to NYSDEC the *Data Summary and Observations, 2017 Annual Groundwater Monitoring*.

2. Summary of Findings Made During the Reporting Period

The following findings were made during the reporting period:

- Results of first quarter groundwater monitoring indicated that the detected types and distribution of contaminants were similar to those of previous sampling events. No sudden increases were identified. Among detected volatile organic compounds, a historic maximum was identified at piezometer A2-PZ-1 and a statistically-significant increasing trend was observed at monitoring well MW-1. Given the limited exposure to groundwater at these two locations, and given their context within the larger monitoring history, these statistical results are not considered indicative of an imminent risk to human health or the environment.
- Groundwater elevations in monitoring wells in the Solvent Dock Area were relatively consistent with historical measurements at the site. In general, the groundwater elevations indicated a higher water table when compared to both the Q4 2016 event and the Q1 2016 event. Groundwater flow direction continues to maintain an overall east-southeast trend, with localized groundwater capture by the GCTS.

3. Summary of Changes Made During the Reporting Period

- No changes were 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

- There were no changes in personnel conducting or managing the corrective measures.

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.
- Continue the procurement process for the FNP source area and surface soil locations soil removal action.
- Address potential comments from NYSDEC pending their review of the draft Environmental Easement and SMP.
- Replace SSDS vacuum monitoring points VMP-8C and VMP-3E.

End of Report