

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

**First Quarter 2019
Corrective Action Progress Report**



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ACRONYMS

DMR	Discharge Monitoring Report
GCTS	Groundwater Collection and Treatment System
in. W.C.	Inches of Water Column
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OM&M	Operation, Monitoring and Maintenance
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 2019 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 2019.

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 for sub-slab soil gas (i.e., the sub-slab depressurization system, or SSDS). A 24-hour differential pressure test was performed during the January 2019 SSDS quarterly OM&M inspection. The differential vacuums over the 24-hour period met or exceeded the requisite vacuum of 0.004 inches of water column (in. W.C.) except for vapor monitoring points, VMP-1A and VMP-3A. During the February 2019 OM&M inspection, the instantaneous vacuum readings for VMP-1A and VMP-3A were 0.004 and 0.009 in. W.C., respectively.
- During the SSDS January OM&M event, instantaneous monitoring at vacuum monitoring point VMP-8C, located at the southern end of the design's effective radius, did not measure vacuum. In response, Tetra Tech tested SSDS vacuum response at different blower frequency settings on March 28, 2019. An instantaneous vacuum reading of 0.005 in. W.C. was recorded at VMP-8C under a higher frequency setting for the blower. The SSDS is now operating at this higher frequency setting. Lockheed Martin will conduct further assessment of SSDS performance and will respond accordingly as part of ongoing OM&M.
- Completed routine monitoring well repairs during the January 2019 OM&M visit in accordance with results of an earlier well inventory.
- The 2018 annual groundwater summary report and data usability summary report with results of the per- and polyfluoroalkyl substances and 1,4-dioxane sampling and analyses were approved by the NYSDEC and the New York State Department of Health (NYSDOH) on January 23, 2019.
- Performed ongoing OM&M of the GCTS. The monthly OM&M inspection for March was completed on March 5, 2019. However, the GCTS was shut down on March 8, 2019 due to a power outage. The power outage affected only the GCTS treatment building and

not the SSDS building. The power outage was caused by a short in the underground feeder in the back of the main building. The underground feeder was repaired and the power to the GCTS treatment building was restored on March 25, 2019. The GCTS was re-started on March 26, 2019.

- Conducted routine monthly project update conference calls with the NYSDEC (Michael Squire) and the NYSDOH (Steve Karpinski) on January 23, 2019 and March 27, 2019. Please note there was no project update conference call in February 2019.
- Tetra Tech provided responses, via email on 2/25/19, to address the NYSDEC/NYSDOH comments on the 2017 Site Management Report.
- The 2018 Site Management Report was submitted to the NYSDEC on March 27, 2019.
- Lockheed Martin has continued with an optimization study for the GCTS and SSDS.
- Lockheed Martin issued a Request for Proposal and hosted a site walk for prospective bidders for the resumption of remedial soil excavation in 2019. Proposals for conduct of excavation of impacted soil at the Former Northern Perimeter Ditch were received in late March. Contractor authorization is expected to be completed by the end of June.

2. Summary of Findings Made During the Reporting Period

- There were no findings made during the reporting period.

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

- The loss of power to the GCTS treatment building resulted in the GCTS being down from March 8, 2019 to March 26, 2019.

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

- No personnel changes occurred this reporting period.

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.
- Provide letter to the NYSDEC/NYSDOH summarizing the power outage, electrical repair and data from the GCTS process sampling to be conducted during the April 2019 OM&M visit with comparison to GCTS data from previous months.
- 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.
- Perform leak testing of the SSDS piping during the April 2019 quarterly OM&M visit.
- Continue monthly project status calls with NYSDEC and NYSDOH.
- Select and authorize contractor for remaining soil excavation.

End of Report