

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

**Fourth Quarter 2018
Corrective Action Progress Report**



Prepared for:
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ACRONYMS

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| DMR | Discharge Monitoring Report |
| DUSR | Data Usability Summary Report |
| GCTS | Groundwater Collection and Treatment System |
| ICM | Interim Corrective Measure |
| 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 |
| PFAS | Per- and Polyfluoroalkyl Substances |
| 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 **Fourth Quarter 2018 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 Fourth Quarter (October, November, and December) of 2018.

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 OM&M of the interim corrective measure (ICM) for sub-slab soil gas (i.e., the sub-slab depressurization system, or SSDS). A 24-hour differential pressure test was performed during the October 2018 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.).
- The 2018 annual groundwater summary report and data usability summary report (DUSR) with results of the per- and polyfluoroalkyl substances (PFAS) and 1,4-dioxane sampling and analyses were submitted to the NYSDEC and the New York State Department of Health (NYSDOH) on October 17, 2018. The electronic data deliverable for the annual groundwater sampling was submitted to the NYSDEC on November 5, 2018 and it was uploaded into the NYSDEC system on November 14, 2018. The NYSDEC and NYSDOH provided comments to the 2018 annual groundwater summary report via email on December 10, 2018. Tetra Tech provided responses to comments via email on December 20, 2018.
- Performed ongoing operation, monitoring and maintenance (OM&M) of the GCTS. The following non-routine maintenance and repairs were completed:
 - Installed new pressure reducing valve on the potable water line entering the GCTS treatment building;
 - Replaced battery for the back-up emergency light; and
 - Replaced battery back-up for the uninterrupted power supply.
- The shallow soil excavations at areas SS-07, SS-20, and SS-21 were backfilled during the week of October 8, 2018. Two of the seven post-excavation confirmation soil samples for shallow excavation SS-07 in the West Lot area had polychlorinated biphenyl concentrations above the standard of 1 part per million (ppm). This was consistent with

the pre-characterization sampling data. Based on NYSDEC acceptance via email correspondence, the shallow excavation area was backfilled.

- The pole barn dismantling was completed during the week of October 8, 2018.
- The annual cover system inspection was performed on October 25, 2018.
- Conducted routine monthly project update conference calls with the NYSDEC (Michael Squire) and the NYSDOH (Steve Karpinski) on October 24, and November 28, 2018. Please note there was no project update conference call in December 2018.
- Conducted routine monitoring well repairs in accordance with results of a well inventory completed earlier in the year. Additional monitoring well repairs will be completed in January 2019.
- The NYSDEC and NYSDOH provided comments to the 2017 Annual Site Management Report via email on December 17, 2018.
- Lockheed Martin has continued with an optimization study for the GCTS and SSDS.

2. Summary of Findings Made During the Reporting Period

- Results of the June 2018 groundwater monitoring event include those for PFAS and 1,4-Dioxane sampling and analysis from wells approved by NYSDEC. Among the PFAS results, no combined concentrations of perfluoroactanesulfonic acid and perfluorooctanoic acid exceeded the respective USEPA health advisory level of 70 ng/l. Where detected, 1,4-Dioxane was present at concentrations of 0.36 µg/l to 2.2 µg/l.

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

- 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.
- 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.
- Address comments received from the NYSDEC and NYSDOH on the 2017 Annual Site Management Report.
- Complete monitoring well repairs.
- Preparation and submission of the 2018 Annual Site Management Report.
- Due to scheduling delays in initiating the deep excavation at the Former Northern Perimeter Ditch and the consequent concern for its work extending into the winter season, the deep excavation activities will be initiated in the spring of 2019.

End of Report