

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

**Third Quarter 2018
Corrective Action Progress Report**



Prepared for:
**Lockheed Martin Corporation
6801 Rockledge Drive
MP CCT 246
Bethesda, MD 20817**

Prepared by:
**Tetra Tech Inc.
One Oxford Valley Road
Langhorne, PA 19047**

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ACRONYMS

DMR	Discharge Monitoring Report
DUSR	Data Usability Summary Report
FNPD	Former Northern Perimeter Ditch
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
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 **Third 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 Third Quarter (July, August, and September) 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). Results of a 24-hour continuous pressure test at vacuum monitoring point VMP-1A did not consistently meet the criterion of 0.004 inches of water column (In. W.C.). VMP-1A was replaced on July 2, 2018. Following installation, an instantaneous vacuum reading of 0.021 In. W.C. was obtained using a portable manometer. In addition, a 24-hour differential pressure test was performed during the July 2018 SSDS quarterly OM&M inspection. The differential vacuum over the 24-hour period ranged from 0.011 to 0.0225 In. W.C. In both instances, the vacuum exceeded the requisite vacuum of 0.004 In. W.C.
- Performed ongoing operation, monitoring and maintenance (OM&M) of the GCTS. The following non-routine maintenance and repairs were completed on July 18, 2018:
 - Installed new low/high level float switch for the air stripper sump water level with Program Logic Controller inputs/revisions to incorporate new level switch;
 - Replaced hand-off-auto switches for Manhole No. 1. and No. 2 pumps; and
 - Replaced old incandescent panel lights with LED lights on control panels for Manhole No. 1 and No. 2.
- Replaced 2,000 pounds of vapor phase carbon with regenerated carbon on August 6, 2018 for the SSDS.
- Replaced 2,000 pounds of vapor phase carbon with virgin carbon on August 16, 2018 for the GCTS.
- Replaced building heater on August 16, 2018 for the GCTS building.

- Received laboratory analytical results and data package in September 2018 which included the emerging compounds per- and polyfluoroalkyl substances and 1,4-dioxane from the June 2018 groundwater monitoring event. The data usability summary report (DUSR) was completed on September 27, 2018. Began preparation of the annual 2018 groundwater summary report which will include the DUSR.
- The 100% Design and Remedial Action Work Plan for the Former Northern Perimeter Ditch (FNPD) source area soil removal prepared by Brown and Caldwell was approved by the NYSDEC on August 14, 2018. The mobilization for the soil removal activities began on September 17, 2018. The dismantling of the pole barn began on September 19, 2018. The shallow excavations at areas SS-07, SS-20, and SS-21 were performed during the week of September 24, 2018.
- Conducted routine monthly project update conference calls with the NYSDEC (Kevin Carpenter and Michael Squire) and the NYSDOH (Steve Karpinski) on July 25, August 22, and September 26, 2018.
- Lockheed Martin has continued with an optimization study for the GCTS and SSDS.

2. Summary of Findings Made During the Reporting Period

- No significant new findings were made during this 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

- No significant problems were encountered during the reporting period.

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

- Michael Squire replaced Kevin Carpenter as the new NYSDEC project manager.
- Tetra Tech's Glenn Netuschil replaced Pat McGuire as the project manager for the operation and maintenance of the GCTS and SSDS.

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.
- Submit annual groundwater summary report with results of the per- and polyfluoroalkyl substances and 1,4-dioxane to the NYSDEC and NYSDOH.
- Perform annual cover system inspection.
- Due to scheduling delays in initiating the deep excavation at the FNPD and the consequent concern for its work extending into the winter season, Brown and Caldwell will demobilize following completion of the shallow excavation restorations. The deep excavation will be initiated in the spring of 2019.

End of Report