

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

Fourth Quarter 2016
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
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 2016 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 2016.

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 (DMRs) submitted to NYSDEC. Initiated NetDMR submittals in November for October performance month.
- Performed ongoing operation, monitoring and maintenance (OM&M) of the interim corrective measure (ICM) for groundwater (i.e., the groundwater collection and treatment system, or GCTS).
- Performed ongoing OM&M of the ICM for sub-slab soil gas (i.e., the sub-slab depressurization system, or SSDS).
- Stantec performed cover system inspection on October 4, 2016. No issues with the cover were identified.
- Performed, during the period October 10 through 13, 2016, the Fourth Quarter 2016 groundwater sampling in accordance with the *Interim Groundwater Monitoring Program*.
- Submitted, by Bond, Schoeneck & King (counsel for Lockheed Martin) to Hancock and Estabrook (counsel for ConMed), a letter dated October 14, 2016 providing Lockheed Martin's interpretation of ConMed's obligations for environmental compliance under the property's transaction documents as they relate to the *Draft Environmental Easement* and *Draft Site Management Plan*.
- Submitted, on October 26, 2016, to NYSDEC the *Draft Environmental Easement* and *Draft Site Management Plan*.
- Provided, on November 9, 2016, to NYSDEC and NYSDOH the *Draft Excavation Initial Design Investigation Report* for the Former Northern Perimeter Ditch (FNPD) source area and surface soil sampling locations, for review and comment.
- Conducted, on November 18, 2016, a routine monthly project update conference call with NYSDEC (S. Saucier) and NYSDOH (S. Karpinski). No update calls were conducted in October or December.
- Submitted, on November 30, 2016, to NYSDEC the *Data Summary and Observations, Fourth Quarter 2016 Groundwater Monitoring*.
- Replaced, on December 8, 2016, the vapor phase granular activated carbon for the GCTS.
- On December 8, 2016 a backup blower for the SSDS was delivered. The unit is permanently stored in a protective enclosure in the SSDS for use in the event of a future failure of the existing system blower.

- Received, on 12/23/16, NYSDEC/NYSDOH's approval of the *Draft Excavation Initial Design Investigation Report*.

2. Summary of Findings Made During the Reporting Period

The following findings were made during the reporting period:

- Results of fourth quarter groundwater monitoring indicated that the detected types and distribution of contaminants were similar to those of previous sampling events. No sudden increases or historic maxima were identified. A statistically-significant increasing trend was observed at MW-1 for cis 1,2-dichloroethene. Based on the limited exposure to groundwater at MW-1, this trend is not indicative of an imminent risk to human health or the environment. Statistically-significant decreasing trends were identified for PZ-5 for tetrachloroethene and 1,1-dichloroethane and vinyl chloride at MW-2.
- Groundwater elevations in monitoring wells in the Solvent Dock Area were consistent with historical measurements at the site. In general, the groundwater elevations indicated a lower water table when compared to both the previous quarter (Q3 2016) and the same quarter last year (Q4 2015). This is consistent with moderate drought conditions experienced in the region this year. Groundwater elevations were within the historical ranges observed, except for MW-1, MW-10, MW-12, MW-20, PZ-4, PZ-22, and PZ-39. Location MW-15BR exhibited new historical minima. Groundwater flow continues to reflect the influence of and capture by the GCTS.
- Observations made during the cover system inspection indicate the cover is in good condition and engineering controls are in place. One excavation had previously been performed by ConMed in the east parking lot to repair a fire main; the asphalt parking lot was repaired with concrete. Shallow excavations had also been performed to install handicap sidewalk access ramps on the east and west entrances. These excavations were also repaired with concrete. A copy of the inspection report will be included in the 2016 annual Site Management Report.

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

- The transition from Stantec to Tetra Tech as the Performing Contractor (PC) for the project began on September 1, 2016. Tetra Tech observed project activities until December 1, 2016, then assumed the PC role at that time. Stantec will continue to perform selected tasks as needed either directly for Lockheed Martin or as a subcontractor to Tetra Tech.

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 DMRs 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.
- Complete decommissioning of the vapor monitoring points in the western portions of the ConMed facility.
- Conduct an annual groundwater sampling event (January 2017) in accordance with the *Draft Interim Groundwater Monitoring Program* (as amended by correspondence with NYSDEC and the 2015 Annual Site Management Report and provide a written summary of findings to NYSDEC.
- Submit the draft 2016 Annual Site Management Report to NYSDEC for review and comment.
- Prepare a 30% Design Report for soil removal in the FNP source area and surface soil locations.
- Address potential comments from NYSDEC pending their review of the draft Environmental Easement.

End of Report