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1	October 2016	4	Former Lockheed Martin French Road Facility, Utica, New York, Solvent Dock Area, "Third Quarter 2016, Corrective Action Progress Report"

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Design with community in mind

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

**Third Quarter 2016
Corrective Action Progress Report**



Prepared for:
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ACRONYMS

DOW	Division of Water
FNPD	Former Northern Perimeter Ditch
GAC	granular activated carbon
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
PCE	tetrachloroethene
SCOs	soil cleanup objectives
SGVs	Standards and Guidance Values
SPDES	State Pollutant Discharge Elimination System
SSDS	sub-slab depressurization system
SVI	soil vapor intrusion
TCE	trichloroethene



Purpose

On behalf of Lockheed Martin Corporation (Lockheed Martin), Stantec Consulting Services Inc. (Stantec) has prepared this **Third 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 Third Quarter (July, August and September) 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 submitted to NYSDEC.
- 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).
- Provided, on July 8, 2016 to the Oneida County Industrial Development Agency (OCIDA; current "fee simple" owner of the Site) and ConMed Corporation (ConMed; leaseholder of the Site) a Draft Environmental Easement and Draft Site Management Plan for their review and comment. Also provided was a NYS tax TP-584 form, which will require owner signature as part of the final Easement package.
- Performed, during the period July 11 through 13, 2016 the Third Quarter 2016 groundwater sampling in accordance with the *Interim Groundwater Monitoring Program*.
- Performed, during the period July through September, minor repairs on several monitoring wells. These repairs were primarily related to surface completions.
- Submitted, on July 18, 2016, to NYSDEC and New York State Department of Health (NYSDOH) the *Second Quarter 2016 Corrective Action Progress Report*, and added the document to the public repository at the Utica Library.
- Conducted, on July 19, 2016, a routine monthly project update conference call with NYSDEC (S. Saucier) and NYSDOH (S. Karpinski). No update calls were conducted in August or September due to an in-person meeting at NYSDEC in Albany on August 30, 2016 (see item below).
- Provided on July 20, 2016 to NYSDEC, NYSDOH and ConMed the finalized report entitled *Soil Vapor Intrusion Assessment, Western Building Areas, Former Lockheed Martin French Road Facility, Utica, New York*, for review and comment.

- Submitted, on August 24, 2016 to NYSDEC the *Data Summary and Observations, Third Quarter 2016 Groundwater Monitoring*.
- Attended on August 30, 2016, a project meeting at the offices of NYSDEC in Albany. Present at the meeting were personnel from NYSDEC, Lockheed Martin, CDM Smith and Stantec. NYSDOH personnel participated via teleconference.
- Received a letter dated September 8, 2016 from Hancock and Estabrook (counsel for ConMed) to Bond Schoeneck and King (counsel for Lockheed Martin) regarding the Draft Environmental Easement and Draft Site Management Plan, and the responsibilities of both parties in the context of these documents and the 1996 Purchase Agreement for the property. Attended conference call with ConMed counsel as follow-up to letter. Further communications are planned.
- Received, on September 22, 2016 a letter from NYSDEC to Lockheed Martin approving the report entitled *Soil Vapor Intrusion Assessment, Western Building Areas, Former Lockheed Martin French Road Facility, Utica, New York* submitted on July 20, 2016.
- Performed, on September 23 and 24, 2016, survey of locations and elevations for several interior and exterior monitoring wells and piezometers, and the vapor monitoring points in the western building areas.
- Provided, on September 29, 2016 to NYSDEC and NYSDOH the *Second Supplemental Work Plan for Additional Surface Soil Sampling, Excavation Initial Design Investigation*, for review and comment.

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 or historic maxima were identified. A statistically-significant increasing trend was observed at A2-PZ-2 for PCE. Based on the limited exposure to groundwater at A2-PZ-2, this trend is not indicative of an imminent risk to human health or the environment. Statistically-significant decreasing trends were identified for 1,1-DCA and cis-1,2-DCE at MW-18.
- 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 (Q2 2016) and the same quarter last year (Q3 2015). This is consistent with moderate drought conditions experienced in the region this year. Groundwater elevations were within the historical ranges observed, except for PZ-28, MW-3, and MW-15BR. Locations PZ-28 and MW-3 exhibited new historical minima. Groundwater flow continues to reflect the influence of and capture by the GCTS.
- Discussions at the August 30, 2016 meeting regarding the results of PCB presence in surface soil samples resulted in agreement among the parties that further sampling was

not required at the SS-21 location. Likewise, further sampling was not required at the SS-20 location provided Lockheed Martin will extend the remedial excavation northward to the fence of the adjacent electrical substation. Due to exceedances of the soil cleanup objectives (SCOs) at the SS-07 location, Lockheed Martin will perform further delineation sampling at this location.

Meeting discussions also addressed delineation results and excavation limits for the Former Northern Perimeter Ditch (FNPD) Area 2. No further delineation of soil impacts is planned for the FNPD Area 2. Excavation limits will be further developed and presented in the *Excavation Initial Design Investigation 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 will observe project activities until December 1, 2016, and will assume the PC role at that time. Stantec will continue to perform selected tasks at least through the first quarter of 2017.

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 Discharge Monitoring Reports, 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.
- Conduct the fourth quarter groundwater sampling event (October 2016) in accordance with the *Draft Interim Groundwater Monitoring Program* (as amended by Stantec's December 23, 2015 letter to NYSDEC, accepted by NYSDEC on January 21, 2016) and provide a written summary of findings to NYSDEC.
- Conduct additional surface soil sampling/analysis in the vicinity of SS-07 for PCB impact delineation.
- Prepare and submit to NYSDEC and NYSDOH an *Excavation Initial Design Investigation Report* summarizing investigation results for the PCB exceedance areas and FNPD Area 2.
- Prepare 30% design for soil removal.
- Conduct annual cover system inspection.
- Continue communications with ConMed regarding relative obligations of the draft Environmental Easement and draft Site Management Plan in the context of the 1996 Purchase Agreement of the property.

End of Report