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1	Revised July 17, 2015	4	Former Lockheed Martin French Road Facility, Utica, New York, Solvent Dock Area, "Second Quarter 2015, Corrective Action Progress Report" (revised)

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

**Second Quarter 2015
Corrective Action Progress Report**



Prepared for:
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ACRONYMS

DOW	Division of Water
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
SPDES	State Pollutant Discharge Elimination System
SSDS	sub-slab depressurization system
VI	vapor intrusion



Purpose

On behalf of Lockheed Martin Corporation (Lockheed Martin), Stantec Consulting Services Inc. (Stantec) has prepared this *Second Quarter 2015 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 Second Quarter (April, May and June) of 2015.

1.0 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 GCTS).
- Performed ongoing OM&M of the ICM for sub-slab soil gas (i.e., the sub-slab depressurization system, or SSDS).
- Completed first quarter 2015 groundwater sampling during the period April 14-17, 2015 in accordance with the *Interim Groundwater Monitoring Program*, and submitted related monitoring data to NYSDEC and NYSDOH on May 29, 2015.
- Submitted the *First Quarter 2015 Corrective Action Progress Report* to NYSDEC and New York State Department of Health (NYSDOH) on April 16, 2015 and added the document to the public repository at the Utica Library.
- Conducted project update conference calls on April 16, May 21, and June 16, 2015 with NYSDEC (S. Saucier, A. Omorogbie and R. Curley [April 16 call only]) and NYSDOH (S. Karpinski).
- Conducted a change-out of the granular-activated carbon (GAC) media for the GCTS on April 28, 2015, and the SSDS on May 2, 2015. The change-outs were performed by the GAC vendor Evoqua (formerly Siemens); spent GAC was transported to Evoqua's Pennsylvania facility for regeneration and will be held there until needed for future dedicated use in the two treatment systems.
- Received from NYSDEC (Division of Water) on May 6, 2015 a request for supplemental information related to the SPDES Modification Request submitted by Stantec on behalf of Lockheed Martin in March 2015.
- Received from NYSDEC on May 6, 2015 a letter requiring that a Draft Environmental Easement package for the Site be prepared and submitted to NYSDEC within 60 days.

- Submitted to NYSDEC on May 18 a letter from Lockheed Martin requesting an extension of the deadline for Draft Environmental Easement package submittal to August 1, 2015.
- Received from NYSDEC on May 19, 2015 an email response approving the requested Draft Environmental Easement deadline extension to August 1, 2015.
- Received from NYSDEC on May 19, 2015 a letter requiring that Lockheed Martin either provide justification why no further vapor intrusion (VI) investigation needs to be performed for the western portion of the Site building, or provide a VI Sampling Work Plan to evaluate conditions, via sampling of at least six coupled sub-slab/indoor air locations. Preparation of a response is in progress.
- Submitted to NYSDEC on May 21, 2015 a response letter from Lockheed Martin agreeing to review historical building information and VI data as set forth in NYSDEC's May 19 letter.
- Provided supplemental supporting information to NYSDEC (Division of Water) on May 22, 2015 related to the SPDES Modification Request submitted in March 2015 by Stantec on behalf of Lockheed Martin. Processing of the request is still underway by NYSDEC.
- Conducted an on-site meeting with ConMed personnel on May 26, 2015 to discuss impacts to ConMed operations resulting from planned soil removal; ConMed's concerns about being party to an Environmental Easement; and NYSDEC's May 19, 2015 letter directing that Lockheed Martin Corporation conduct additional vapor intrusion monitoring in the west portion of the facility, or submit justification as to why it is not necessary.
- Stantec (R. Mahoney) attended a meeting on the site on May 26, 2015 with S. Saucier and A. Omorogbe of NYSDEC, Rick Zigenfus (ConMed) and D. Vanetti (GHD Consulting Services Inc. – consultant to ConMed) to view overall site conditions.
- Performed replacement of monitoring well surface completions for 12 Solvent Dock area wells on May 27 & 28, 2015. This was necessary because paving performed by ConMed had left the wells recessed below the pavement grade which resulted in ponding of water and ice buildup during winter months. Each well road box was replaced in a newly-poured, 2 ft. x 2 ft. concrete surface seal, constructed flush with the pavement surface.
- Also performed on May 28, 2015 flushing of three wells that had become partially infilled with sediment using fresh water, pumping and, where necessary, compressed air. Fluids generated by this activity were containerized for testing and disposal.
- Submitted to NYSDEC on June 10, 2015 a letter report summarizing management of groundwater removed from ConMed's emergency excavation to repair Post Indicator Valve (PIV)-3.
- Submitted to NYSDEC and NYSDOH on June 10, 2015 a memo summarizing the replacement of SSDS vapor monitoring point VMP-8D, which had failed to provide accurate vacuum measurements.

- Completed preparation of the Draft report for the 2015 *Vapor Intrusion Study, Solvent Dock Area*, and submitted the draft to ConMed for review on June 16, 2015. Comments are due back to Lockheed Martin on July 8, 2015.
- Performed, on June 17, 2015 a geophysical survey for underground utilities in the vicinity of four soil vapor monitoring probes previously installed and sampled on the property immediately adjacent to the north of the Site (Indium Corporation), in anticipation of decommissioning of the probes through over-drilling and extraction.
- Transmitted relevant historical reports concerning potential vapor intrusion in the western portion of the Site building to NYSDEC/NYSDOH on June 25, 2015.

2.0 Summary of Findings Made During the Reporting Period

The following finding was made during the reporting period:

- Results of second quarter groundwater monitoring indicate that the detected types and distribution of contaminants are similar to those of previous sampling events. Groundwater flow conditions were also similar to previous results and reflect the influence of the GCTS.

3.0 Summary of Changes Made During the Reporting Period

No significant changes to the *Corrective Measures Implementation Plan* were made during the reporting period.

4.0 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.
- Stantec provided a copy of NYSDEC's *Final Statement of Basis for Corrective Measures Selection, Former Lockheed Martin French Road Facility, Operable Units 01 & 02, Site No. 633036A, EPA ID No. NYD000521971, Utica, Oneida County* to the project document repository at the Utica Public Library on June 12, 2015.

5.0 Summary of Problems Encountered During the Reporting Period

No significant problems were encountered during the reporting period.

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

Changes in personnel during the reporting period include:

- Sarah Saucier, P.E. replaced Ruth Curley as NYSDEC's Project Manager;
- Steven Karpinski replaced Nathan Freeman as NYSDOH's Project Manager;
- Will Armington left Stantec; and

- Brandon Gallagher, P. E. (Environmental Engineer) has joined Stantec's project team;

7.0 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 O&M summaries;
- Continue monthly project status calls with NYSDEC and NYSDOH;
- Decommission the soil vapor probes on the adjacent Indium Site;
- Submit the 2015 Annual Vapor Intrusion summary report to NYSDEC and NYSDOH, which will include and discuss data for the initial January sampling events and the subsequent supplemental sampling performed in March at NYSDEC's direction;
- Conduct the third quarter groundwater sampling event (July 2015) in accordance with the draft *Interim Groundwater Monitoring Program* and provide a written summary of findings to NYSDEC;
- Provide NYSDEC with a summary of historical facility operational information and previous VI sampling data for the Western Building area, and if deemed appropriate, a work plan for additional VI sampling in that portion of the building;
- Prepare and submit to NYSDEC a Draft Design Investigation Work Plan for the proposed excavation components (Source Area 2 and PCB exceedence locations) of the Statement of Basis Final Corrective Measures; and
- Prepare updates and revisions to the draft Site Management Plan. Prepare a draft Environmental Easement and Environmental Easement Survey Plan.

End of Report