

**Former Lockheed Martin
French Road Facility
Utica, New York
Solvent Dock Area**

**First Quarter 2014
Corrective Action
Progress Report**



Prepared for:
Lockheed Martin Corporation
7000 Calmont Avenue
Suite 300 MS 2010
Fort Worth, TX 76116

Prepared by:
Stantec Consulting Services Inc.
61 Commercial Street
Rochester, NY 14614

April 15, 2014

Table of Contents

PURPOSE..... 1

1.0 SUMMARY OF WORK COMPLETED DURING THE REPORTING PERIOD..... 1

2.0 SUMMARY OF FINDINGS MADE DURING THE REPORTING PERIOD 2

3.0 SUMMARY OF CHANGES MADE DURING THE REPORTING PERIOD 2

**4.0 SUMMARY OF CONTACTS MADE WITH REPRESENTATIVES OF THE LOCAL
COMMUNITY AND PUBLIC INTEREST GROUPS DURING THE REPORTING
PERIOD..... 3**

5.0 SUMMARY OF PROBLEMS ENCOUNTERED DURING THE REPORTING PERIOD..... 3

**6.0 CHANGES IN PERSONNEL CONDUCTING OR MANAGING THE CORRECTIVE
MEASURES DURING THE REPORTING PERIOD 3**

7.0 SUMMARY OF WORK PLANNED FOR THE NEXT REPORTING PERIOD 3

ACRONYMS

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”), Stantec Consulting Services Inc. (Stantec) has prepared this *First Quarter 2014 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 First Quarter (January, February, and March) of 2014.

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 the New York State Department of Environmental Conservation (NYSDEC). An annual site inspection was also performed with NYSDEC Region 6 personnel;

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);

Submitted the *Fourth Quarter 2013 Corrective Action Progress Report* to NYSDEC and the New York State Department of Health (NYSDOH) on January 15, 2014 and added the document to the public repository at the Utica Library;

Submitted *Summary Report For Startup of SDS-8 (in the Area of VMP-7A)* to NYSDEC/NYSDOH on January 28, 2014 for comment;

Submitted *Remedial Construction Certification, Sub-Slab Depressurization System* including updated as-built drawings to NYSDEC/NYSDOH on January 29, 2014;

Received annual State Pollution Discharge Elimination System (SPDES) Inspection Report from NYSDEC dated January 29, 2014 for GCTS effluent discharge. The SPDES Inspection Report concludes that the facility was in compliance with the limits and conditions of its SDPES Permit at the time of the inspection;

Submitted *2013 Annual Sub-Slab Depressurization System Operation, Maintenance, and Monitoring Report* to NYSDEC/NYSDOH on February 17, 2014 for comment;

Submitted *2013 Annual Groundwater Monitoring Report* to NYSDEC/NYSDOH on February 18, 2014 for comment;



Received results of NYSEC/NYSDOH's review of the *Summary Report on Surface Soil Sampling Activities* in their letter dated February 19, 2014;

Submitted *2013 Annual Groundwater Collection and Treatment System Operation Maintenance and Monitoring Report* to NYSDEC/NYSDOH on February 20, 2014 for comment;

Completed first quarter groundwater sampling in accordance with the *Interim Groundwater Monitoring Program* and submitted related monitoring data to NYSDEC on March 21, 2014; and

Performed the Annual Vapor Intrusion Study sampling event, which included sub-slab, indoor, and ambient air sampling. Report preparation is in progress.

2.0 Summary of Findings Made During the Reporting Period

The following findings were made during the reporting period:

The 2013 Annual Groundwater Monitoring Report finds that, consistent with earlier investigations, chlorinated VOCs are the predominant constituents detected at concentrations greater than regulatory standards and guidance values at the Solvent Dock Area. Analytical results show no significant increasing or decreasing trends for selected constituents of concern in the majority of monitoring points based on Mann-Kendall analysis. For those limited number of increasing trends that were identified, the report concludes that they do not indicate an imminent risk to human health and the environment and that no additional remedial actions are required at this time. Geochemistry data from field sampling indicate a mildly oxidizing to moderately reducing environment (not uniform across the site) in the study area.

Results of first quarter groundwater monitoring indicate that the detected types and distribution of contaminants are similar to those of previous sampling events. Groundwater flow directions 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 interactions were made with the local community or public interest groups during the reporting period.

As referenced in Section 1, the *Fourth Quarter 2013 Corrective Action Progress Report* was added to the public repository at the Utica Library.

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

Lockheed Martin completed the process of procuring a new Performing Contractor to replace ARCADIS. The new company selected for the project is Stantec Consulting Services Inc. (Stantec). Stantec and ARCADIS worked together during a transition period in January and February and Stantec now has assumed full responsibility as the Performing Contractor.

No additional personnel changes occurred among those conducting or managing the corrective measures at the Site during the reporting period.

7.0 Summary of Work Planned for the Next Reporting Period

The following activities are scheduled for completion during the Second Quarter 2014 reporting period:

Continue operation and maintenance of the GCTS, including effluent sampling for compliance with the existing SPDES permit (NY-012-1894) 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;

Conduct the second quarterly groundwater sampling event for 2014 in accordance with the draft *Interim Groundwater Monitoring Program*;

Submit the *2014 Annual Vapor Intrusion Study Report* to NYSDEC/NYSDOH for comment;



Continue to discuss institutional controls as part of a future Site Management Plan with current site occupant (ConMed) and work on revisions to the current draft Plan. Potential revisions are pending input from NYSDEC on suitability of the current draft's content relative to more recent guidance on Plan format as well as a determination of Corrective Measures per the Statement of Basis; and

Continue monthly project status calls with NYSDEC/NYSDOH.

