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Transmittal Letter

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File

From:
Lisa Collins

Date:
April 12, 2013

Subject:
1Q13 Corrective Action Progress Report

ARCADIS Project No.:
NJ001026.0001

We are sending you:

Attached Under Separate Cover Via _____ the Following Items:

- Shop Drawings Plans Specifications Change Order
- Prints Samples Copy of Letter Reports
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Copies	Date	Description	Action*
1	4/11/13	First Quarter 2013 Corrective Action Progress Report, Order on Consent, Index Number: 6-20080321-5, Solvent Dock Area, Former Lockheed Martin Facility, Utica, New York	AS

Action*

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Comments: _____

Lockheed Martin Corporation

**First Quarter 2013
Corrective Action Progress Report**

Order on Consent

Index Number: 6-20080321-5

Solvent Dock Area

Former Lockheed Martin Facility

Utica, New York

April 2013



A handwritten signature in black ink, appearing to read "Daniel Zuck".

Daniel A. Zuck
Task Manager

A handwritten signature in blue ink, appearing to read "Jeffrey J. Bonsteel".

Jeffrey J. Bonsteel
Project Manager

**First Quarter 2013 Corrective
Action Progress Report**

Order on Consent
Index Number: 6-20080321-5
Solvent Dock Area
Former Lockheed Martin Facility
Utica, New York

Prepared for:
Lockheed Martin Corporation

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Our Ref.:
NJ001026.0001

Date:
April 2013

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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
SPDES	State Pollutant Discharge Elimination System
SSDS	sub-slab depressurization system

Purpose

On behalf of Lockheed Martin Corporation (“Lockheed Martin”), ARCADIS has prepared this *First Quarter 2013 Corrective Action Progress Report* for the Solvent Dock Area (“the Site”) at the former Lockheed Martin French Road facility in Utica, New York. 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 of 2013 (January, February, and March 2013).

1. Summary of Work Completed During the Reporting Period

The following activities were completed during the reporting period:

- Sampled 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 documented in monthly Discharge Monitoring Reports;
- Performed ongoing operation and maintenance of the interim corrective measure (“ICM”) for groundwater (i.e., the GCTS); maintenance included installation of new cellular telemetry system that has improved GCTS communications over previous land-based system;
- Performed ongoing operation and maintenance of the ICM for sub-slab soil gas (i.e., the sub-slab depressurization system, SSDS);
- Completed annual vapor intrusion sampling within the ConMed facility, including sampling of the Former Guard House;
- Submitted the *Fourth Quarter 2012 Corrective Action Progress Report* to NYSDEC and the New York State Department of Health (“NYSDOH”), and added the document to the public repository (at the Utica Library);
- Submitted fourth quarter 2012 groundwater monitoring data to NYSDEC;
- Submitted the *Former Northern Perimeter Ditch Off-Site Vapor Intrusion Pathway Evaluation Report* to NYSDEC;
- Submitted the *Pre-Design Activities Report* to NYSDEC;
- Submitted the *Feasibility Study Report Addendum* to NYSDEC;

- Submitted the *2012 Annual Groundwater Collection and Treatment System Operation, Maintenance, and Monitoring Report* to NYSDEC;
- Submitted the *2012 Annual Sub-Slab Depressurization System Operation, Maintenance, and Monitoring Report* to NYSDEC;
- Submitted the *Work Plan for SSDS Pilot Test in Area of VMP-7A* to NYSDEC;
- Completed the quarterly (first quarter) groundwater sampling in accordance with the *Interim Groundwater Monitoring Program* and submitted related monitoring data to NYSDEC;
- Submitted the *Annual 2012 Groundwater Monitoring Report* to NYSDEC; and
- Continued monthly project calls with NYSDEC/NYSDOH.

2. Summary of Findings Made During the Reporting Period

The following significant findings were made during the reporting period:

- A revised look at the comparison of alternatives provided within the *Feasibility Study Report* determined that the previous, perceived increase in protectiveness offered by the addition of the in-situ biological treatment was reduced through the increased understanding of the subsurface conditions within Area 1 and Area 2 of the Former Northern Perimeter Ditch (“FNPDP”), as presented within the *Pre-Design Activities Report*. The revised recommended remedial alternative for the FNPDP, as presented within the *Feasibility Study Report Addendum*, is combined monitored natural attenuation and institutional controls with continued operation of the existing trench network along the FNPDP associated with the GCTS.
- Data collected from the off-Site Indium property on the north side of the FNPDP do not support the presence of a soil gas source that could be associated with potential vapor intrusion to the off-Site Indium property. As provided in the *Former Northern Perimeter Ditch Off-Site Vapor Intrusion Pathway Evaluation Report* now submitted to NYSDEC/NYSDOH, there were no elevated off-Site detections of constituents that could be directly correlated to known impacts from the Lockheed Martin French Road site.
- Analytical data results of the annual vapor intrusion sampling event (conducted in January 2013) have been shared with ConMed and NYSDEC/NYSDOH. The annual vapor intrusion report summarizing these results and findings is in

preparation, and anticipated to be submitted to NYSDEC/NYSDOH during the second quarter 2013.

3. Summary of Changes Made During the Reporting Period

No significant changes to the *Corrective Measures Implementation Plan* 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

As referenced in Section 1, the *Fourth Quarter 2012 Corrective Action Progress Report* submitted to NYSDEC/NYSDOH has been added to the public repository (at the Utica Library). The *Evaluation Report on SSDS Performance in Area of VMP-7A*, approved by NYSDEC, has also been added to the public repository.

Lockheed Martin held a conference call with ConMed to discuss further the proposed contents of the *Site Management Plan*.

5. Summary of Problems Encountered During the Reporting Period

No significant problems were encountered during the reporting period. Lockheed Martin's Utica project website has been updated and all documents are now viewable.

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

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

7. Summary of Work Planned for the Next Reporting Period

The following activities are scheduled for completion during the first quarter 2013 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, quarterly system O&M summaries, and the *Annual 2013 GCTS Operation, Maintenance, and Monitoring Report*;

- 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 and the *Annual 2013 SSDS Operation, Maintenance, and Monitoring Report*;
- Conduct the second quarterly groundwater sampling event for 2013 in accordance with the draft *Interim Groundwater Monitoring Program*; data to be provided as part of quarterly data summaries and the *Annual 2013 Groundwater Monitoring Report*;
- Submittal of the 2013 *Annual Vapor Intrusion Study Report for the Solvent Dock Area* to NYSDEC;
- Complete second quarter 2013 groundwater data summary;
- Continue to discuss the elements of a future Site Management Plan with 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;
- Upon NYSDEC approval of work plan to further evaluate SSDS performance enhancements in area of VMP-7A, complete field activities identified within that work plan;
- Conduct meeting with ConMed to discuss results of the 2013 annual vapor intrusion monitoring;
- Pending NYSDEC review of the *Pre-Design Activities Report*, the *Feasibility Study Report Addendum*, and the *Former Northern Perimeter Ditch Off-Site Vapor Intrusion Pathway Evaluation Report*, arrange for meeting with NYSDEC/NYSDOH to discuss approach to preparing the Statement of Basis; and
- Continue monthly project status calls with NYSDEC/NYSDOH.