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Transmittal Letter

To:
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Copies:
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Kay Armstrong, Armstrong & Assoc.
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Rick Zigenfus, ConMed
File

From:
Lisa Collins

Date:
April 9, 2012

Subject:
1Q12 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
☐ Other: _____

Copies	Date	Description	Action*
1	4/9/12	First Quarter 2012 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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Imagine the result

Lockheed Martin Corporation

First Quarter 2012
Corrective Action Progress Report

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

April 2012

ARCADIS

Jeffrey J. Bonsteel
Associate Project Manager

Peter Milionis
Project Manager

First Quarter 2012 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

Prepared by:
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Our Ref.:
NJ001026.0001

Date:
April 2012

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ACRONYMS

ERD	enhanced reductive dechlorination
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
WET	Whole Effluent Toxicity

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First Quarter 2012 Corrective Action Progress Report

Solvent Dock Area
Former Lockheed Martin Facility, Utica, New York

Purpose

On behalf of Lockheed Martin Corporation (Lockheed Martin), ARCADIS has prepared this *First Quarter 2012 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 2012 (January, February, and March 2012).

1. Summary of Work Completed During the Reporting Period

The following activities were completed during the reporting period:

- Continued revisions to Draft Site Management Plan (in progress);
- Sampled effluent from the groundwater collection and treatment system (GCTS) for compliance with the existing State Pollutant Discharge Elimination System (SPDES) permit (NY-012-1894);
- Received letter from NYSDEC Division of Water related to the existing SPDES permit acknowledging an erroneous entry in its electronic database used for establishing SPDES fees, thus correcting the currently-permitted discharge flow rate for future billings;
- In same letter from NYSDEC Division of Water identified above, received request to conduct Whole Effluent Toxicity (WET) testing on the effluent flow from the GCTS, and to submit testing results to NYSDEC as part of a revised NY-2C form;
- Completed WET testing, as requested by NYSDEC, and began preparations for submittal with revised NY-2C form to NYSDEC Division of Water by April 6, 2012 deadline;
- Performed ongoing operation and maintenance of the interim corrective measure (ICM) for groundwater (i.e., the GCTS);
- Submitted the *2011 Annual Groundwater Collection and Treatment System Operation, Maintenance, and Monitoring Report* to NYSDEC;
- Performed ongoing operation and maintenance of the ICM for sub-slab soil gas (i.e., the sub-slab depressurization system, SSDS);

- Submitted the *Sub-Slab Depressurization System Operation, Maintenance and Monitoring Report, 2011 Reporting Period* to NYSDEC;
- Completed annual vapor intrusion monitoring sampling within the ConMed facility;
- Submitted soil and baseline groundwater analytical result tables related to the upcoming FNPD pilot test to NYSDEC/NYSDOH;
- Submitted the *Fourth Quarter 2011 Corrective Action Progress Report* to NYSDEC/NYSDOH, added the document to the public repository (at the Utica Library);
- Continued contact with NYSDEC regarding access to adjacent real property for future off-site soil-vapor sampling activities;
- Completed development of a standard operating procedure and technical memorandum for upcoming enhanced reductive dechlorination (ERD) pilot test, including submittal to NYSDEC for reference;
- Continued preparations for completion of the ERD pilot test, as specified in the *Feasibility Study Report;*
- Initiated an arc flash study for the GCTS and SSDS;
- Made revisions to the *Interim Groundwater Monitoring Program*. Revised Table 1 and Figure 4 submitted to NYSDEC for review. Received approval of revisions from NYSDEC;
- Submitted the *2011 Annual Groundwater Monitoring Report* to NYSDEC. Received comments from NYSDEC on report, and submitted revised appendices. Received report approval from NYSDEC;
- Completed quarterly groundwater sampling in accordance with the *Interim Groundwater Monitoring Program;*
- Submitted first quarter 2012 groundwater sampling data (in tabular form) to NYSDEC for review;
- Submitted Quarterly Groundwater Sampling data in Electronic Data Deliverable format to NYSDEC;
- Performed groundwater management in support of ConMed emergency repair of fire suppression system;
- Updated project Health & Safety Plan; and
- Continued monthly project calls with NYSDEC/NYSDOH.

2. Summary of Findings Made During the Reporting Period

There were no significant findings during the reporting period which varied from routine data collection parameters and information.

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 2011 Corrective Action Progress Report* submitted to NYSDEC/NYSDOH has been added to the public repository (at the Utica Library).

5. Summary of Problems Encountered During the Reporting Period

No significant problems were encountered during the reporting period. Lockheed Martin's Utica project website is under renovation, and until completed, posted documents are not 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 second quarter 2012 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;

- Continue operation and maintenance of the SSDS, including quarterly SSDS sampling and monitoring;
- Submit report to NYSDEC on results of the January 2012 annual vapor-intrusion monitoring within the ConMed facility;
- Meet with representatives of ConMed to discuss the January 2012 annual vapor intrusion monitoring and SSDS performance;
- Conduct the second quarterly groundwater sampling event in accordance with the draft *Interim Groundwater Monitoring Program*;
- Continue to discuss the elements of a future Site Management Plan with ConMed and work on revisions to the current draft Plan;
- Complete an Arc Flash Study of the GCTS and SSDS;
- Initiate ERD pilot test, as specified in the *Feasibility Study Report*;
- Complete on-site and off-site soil-vapor sampling and submit report on soil-vapor monitoring at Former Northern Perimeter Ditch (after obtaining off-site access); and
- Continue monthly project status calls with NYSDEC/NYSDOH.