



Infrastructure · Water · Environment · Buildings

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Transmittal Letter

To:
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Copies:
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Kay Armstrong, Armstrong & Assoc.
Mary Morningstar, Lockheed Martin
Glenda Smith, Lockheed Martin
Richard Zigenfus, ConMed
File

From:
Lisa Collins

Date:
July 29, 2013

Subject:
2Q13 Corrective Action Progress Report

ARCADIS Project No.:
NJ001048.0001

We are sending you:

Attached

Under Separate Cover Via _____ the Following Items:

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Plans

Specifications

Change Order

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Copy of Letter

Reports

Other: _____

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| 1 | 7/29/13 | Second 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 |

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Lockheed Martin Corporation

**Second Quarter 2013
Corrective Action Progress Report**

Order on Consent

Index Number: 6-20080321-5

Solvent Dock Area

Former Lockheed Martin Facility

Utica, New York

July 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

**Second 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

Prepared by:
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Our Ref.:
NJ001048.0001

Date:
July 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 *Second 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 second quarter of 2013 (April, May, and June 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);
- Performed ongoing operation and maintenance of the ICM for sub-slab soil gas (i.e., the sub-slab depressurization system, SSDS); maintenance included installation of new cellular telemetry system that has improved GCTS communications over previous land-based system;
- Submitted the 2013 *Annual Vapor Intrusion Study Report for the Solvent Dock Area* to NYSDEC/NYSDOH; NYSDEC/NYSDOH approved the report’s recommendation that no further sampling be performed at the former guard house in NYSDEC’s letter dated June 13, 2013;
- Submitted the *First Quarter 2013 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;
- Received approval of the (FNPD) *Former Northern Perimeter Ditch Off-Site Vapor Intrusion Pathway Evaluation Report* from NYSDEC/NYSDOH in NYSDEC’s letter dated April 12, 2013; completed minor revision to the report as directed by NYSDEC and resubmitted to NYSDEC/NYSDOH; added final document to the public repository at the Utica Library;

- NYSDEC/NYSDOH provided results of their review of the *2012 Annual Sub-Slab Depressurization System Operation, Maintenance, and Monitoring Report* in NYSDEC's letter dated May 29, 2013; NYSDEC/NYSDOH approved the recommended approach to differential pressure monitoring and provided that an additional vapor monitoring point be included in that approach; the document was added to the public repository at the Utica Library;
- Received approval from NYSDEC/NYSDOH of the *Work Plan for SSDS Pilot Test in Area of VMP-7A* in NYSDEC's letter dated April 9, 2013; completed field activities associated with this work plan;
- Met with NYSDEC and NYSDOH on May 1, 2013 to discuss project status;
- Developed conceptual surface soil sampling plan in anticipation of Statement of Basis; verbally conveyed details of plan to NYSDEC/NYSDOH on June 27, 2012 call;
- Completed the quarterly (second quarter) groundwater sampling in accordance with the *Interim Groundwater Monitoring Program* and submitted related monitoring data to NYSDEC; and,
- Continued monthly project calls with NYSDEC/NYSDOH.

2. Summary of Findings Made During the Reporting Period

The following findings were made during the reporting period:

- Results of the quarterly groundwater monitoring indicate the presence and distribution of contaminants similar to previous sampling events.
- Sub-slab soil gas and indoor air were sampled at 16 locations at the ConMed facility in January 2013 to evaluate soil gas and soil gas intrusion. Results of this sampling event indicate that one location (VMP-7A) is assigned a monitor designation under the VI guidance due to concentrations of TCE in sub-slab soil gas and indoor air. At the remaining 15 paired sample locations, NYSDOH matrices indicate that (depending on the compound) either no further vapor intrusion action is necessary or that reasonable and practical actions should be implemented to identify sources(s) and reduce exposures.

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 *First Quarter 2013 Corrective Action Progress Report* submitted to NYSDEC/NYSDOH has been added to the public repository at the Utica Library. The *2013 Annual Vapor Intrusion Study Report for the Solvent Dock Area; Former Northern Perimeter Ditch Off-Site Vapor Intrusion Pathway Evaluation Report*, and *2012 Annual Sub-Slab Depressurization System Operation, Maintenance, and Monitoring Report*, each reviewed by NYSDEC/NYSDOH during the reporting period, have also been added to the public repository.

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

Glenda Smith has replaced Charles Trione as the Project Lead for Lockheed Martin Corporation.

No other 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 third 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 third 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*;
- Complete third 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;
- Submit summary report on results and findings from work completed as part of the *Work Plan for SSDS Pilot Test in Area of VMP-7A*;
- Complete surface soil sampling activities and provide summary report to NYSDEC/NYSDOH;
- Pending NYSDEC review of the *Pre-Design Activities Report* and the *Feasibility Study Report Addendum*, arrange for meeting with NYSDEC/NYSDOH to discuss approach to preparing the Statement of Basis;
- Prepare updated financial assurance statement; and,
- Continue monthly project status calls with NYSDEC/NYSDOH.