Transmittal Letter

To: Mr. Larry Rosenmann  
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File

From: Lisa Collins  
Date: January 27, 2010  
Subject: ARCADIS Project No.:  
Fourth Quarter Corrective Action Progress NJ000644.0001 Report

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:

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<td>Solvent Dock Area, Former Lockheed Martin Facility</td>
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☐ A Approved  ☐ CR Correct and Resubmit  ☐ Resubmit _____ Copies
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Comments: Send priority overnight to Larry Rosenmann.
Lockheed Martin Corporation

Fourth Quarter 2009
Corrective Action Progress Report

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

January 2010
Fourth Quarter 2009 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 reference:
NJ000644.0001

Date:
28 January 2010

Jeffrey J. Bonsteel
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ACRONYMS

GCTS  groundwater collection and treatment system
ICM  interim corrective measure
NYSDEC  New York State Department of Environmental Conservation
OM&M  operations, maintenance, and monitoring
QAPP  Quality Assurance Project Plan
SPDES  State Pollutant Discharge Elimination System
SSDS  sub-slab depressurization system
VOCs  volatile organic compounds
Purpose

On behalf of Lockheed Martin Corporation (Lockheed Martin), ARCADIS has prepared this Fourth Quarter 2009 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 fourth quarter of 2009 (October, November, and December 2009).

1. Summary of Work Completed During the Reporting Period

The following activities were completed during the reporting period:

- Submitted to NYSDEC work plan for the groundwater and soil vapor supplemental investigation of the eastern portion of the Site
- Completed supplemental investigations of the eastern portion of the Site (including along the former northern-perimeter ditch area and near the off-site International House of Pancakes restaurant)
- Completed field activities associated with the evaluation of the former wastewater treatment-plant's closure status
- Submitted the Site Management Plan to NYSDEC for review
- Submitted the Operations, Maintenance, and Monitoring (OM&M) Manual for the sub-slub depressurization system (SSDS) to NYSDEC for review
- Submitted the OM&M Manual for the GCTS to NYSDEC for review
- Submitted the Monitored Natural Attenuation Plan to NYSDEC for review
- Submitted the updated project Quality Assurance Project Plan (QAPP) to NYSDEC for review
- Submitted the "Environmental Indicator Forms" to NYSDEC for review
- Performed ongoing operation and maintenance of the interim corrective measure (ICM) for groundwater (i.e., the GCTS)
- Sampled effluent from the groundwater collection and treatment system (GCTS) for compliance with the existing SPDES permit (NY-012-1894)
• Completed evaluation of GCTS effluent-sampling results for oil and grease, in response to oil and grease detections by ConMed at its SPDES compliance sampling location

• Performed ongoing operation and maintenance of the ICM for sub-slab soil gas (i.e., the SSDS)

• Conducted “Failure Modes Effects Analysis” of the pending SSDS and GCTS expansion design-documents to evaluate/remove any issues that could cause system failure and/or loss to property and personnel, and

• Performed 60% design of upgrades to the SSDS and GCTS

2. Summary of Findings Made During the Reporting Period

Data collected as part of the supplemental investigation at the eastern end of the Site are now under review. Findings related to these data will be presented in a report submitted to NYSDEC during the first quarter of 2010.

In May 2009, ConMed Corporation (ConMed) notified ARCADIS of a detection of oil and grease in their quarterly (April–June) SPDES sample. As a result of this detection, ConMed was investigating potential sources of the oil and grease constituents, and asked Lockheed Martin (via ARCADIS) to evaluate if oil and grease were present in the discharge from the existing GCTS (SPDES Permit ID 0121894). This discharge flows to a common storm-sewer line shared by ConMed, Lockheed Martin’s GCTS, and other upstream facilities.

The existing SPDES sampling program for the GCTS requires analysis for VOCs. However, as a precautionary measure, Lockheed Martin analyzed the effluent SPDES sample for oil and grease, in addition to VOCs, for three months beginning in June 2009. The results of those samples indicate that oil and grease do not originate from the effluent flow of the GCTS. These data were transmitted to NYSDEC during the fourth quarter of 2009 (in a letter dated October 8, 2009).

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

On November 17, 2009, Lockheed Martin held an informational meeting with representatives of the ConMed Corporation to discuss the status of the Solvent Dock Area project, including soil gas and indoor air quality and planned future activities. On December 7, 2009, ARCADIS, on behalf of Lockheed Martin, met with a representative of the ConMed Corporation to review the contents of the Site Management Plan. No other contacts with representatives of the local community or public interest groups were made during the reporting period.

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

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-2010 reporting period:

- Continued operation and maintenance of the GCTS, including effluent sampling for compliance with the existing SPDES permit (NY-012-1894)
- Continued operation and maintenance of the SSDS, including quarterly SSDS sampling and monitoring
- Submit summary report on supplemental groundwater and soil-vapor investigation
- Submit work plan for follow up investigation at former northern-perimeter ditch
Submit summary report evaluating closure status of the former waste-water treatment plant

Provide technical support as needed to excavations associated with the repair of fire-suppression-post indicator valves conducted by ConMed personnel

Submit report on 2009 annual indoor air and sub-slab soil-gas sampling results

Complete 2010 annual indoor air and sub-slab soil-gas sampling event, submit results in a data report to NYSDEC, and brief ConMed on the sampling results

Submit 100% design for upgrades to the GCTS

Submit 100% design for upgrades to the SSDS, and

Continue briefing discussions with ConMed representatives on content of Site Management Plan