

Transmittal Letter

To:
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 Paul Ragusa, ConMed
 File

From:
 Lisa Collins

Date:
 January 27, 2010

Subject:
 Fourth Quarter Corrective Action Progress
 Report

ARCADIS Project No.:
 NJ000644.0001

We are sending you:
 Attached
 Under Separate Cover Via _____ the Following Items:
 Shop Drawings
 Prints
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 Plans
 Samples

 Specifications
 Copy of Letter

 Change Order
 Reports

Copies	Date	Drawing No.	Rev.	Description	Action*
1	1/27/10			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	

Action*
 A Approved
 AN Approved As Noted
 AS As Requested
 Other:

 CR Correct and Resubmit
 F File
 FA For Approval

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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



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Project Scientist



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**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

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Lockheed Martin Corporation

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Date:
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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	<i>Quality Assurance Project Plan</i>
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-slab 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*