

Lockheed Martin Corporation

**First Quarter 2010
Corrective Action Progress Report**

Order on Consent

Index Number: 6-20080321-5

Solvent Dock Area

Former Lockheed Martin Facility

Utica, New York

April 2010



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Former Lockheed Martin Facility
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Our Ref.:
NJ001017.0001

Date:
April 2010

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ACRONYMS

CMS	Corrective Measures Study
GCTS	groundwater collection and treatment system
ICM	interim corrective measure
IHOP	International House of Pancakes
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
SSDS	sub-slab depressurization system
VOCs	volatile organic compounds
WWTP	wastewater treatment plant

Purpose

On behalf of Lockheed Martin Corporation (Lockheed Martin), ARCADIS has prepared this *First Quarter 2010 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 2010 (January, February and March 2010).

1. Summary of Work Completed During the Reporting Period

The following activities were completed during the reporting period:

- Submitted to NYSDEC and New York State Department of Health (NYSDOH) the *Supplemental Investigation Report*, which summarized supplemental investigations completed at the eastern portion of the Site (including along the former northern-perimeter ditch area and near the off-site International House of Pancakes (IHOP) restaurant);
- Submitted to NYSDEC/NYSDOH the *WWTP Inspection Findings Report*, which summarized the evaluation of the closure status of the former wastewater treatment plant;
- Submitted to NYSDEC/NYSDOH the *Annual Post-Mitigation Vapor-Intrusion Study Report for the Solvent Dock Area*, which summarized the 2009 annual indoor air and sub-slab soil-gas sampling results;
- Completed the 2010 annual indoor air and sub-slab soil-gas sampling event;
- Submitted to NYSDEC/NYSDOH the *Annual Vapor-Intrusion Study Report for the Solvent Dock Area*, which summarized the 2010 annual indoor air and sub-slab soil-gas sampling results;
- Collected an indoor air, outdoor air, and sub-slab soil-vapor sample at the former guard house, in association with continued investigations at the former northern-perimeter ditch;
- Sampled effluent from the groundwater collection and treatment system (GCTS) for compliance with the existing State Pollutant Discharge Elimination System permit (NY-012-1894);

- 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 SSDS);
- Submitted to NYSDEC/NYSDOH the *Sub-Slab Depressurization System 100% Design Work Plan*;
- Submitted to NYSDEC/NYSDOH the *Groundwater Collection and Treatment System 100% Design Work Plan*; and
- Submitted to NYSDEC/NYSDOH the *Fourth Quarter 2009 Corrective Action Progress Report*.

2. Summary of Findings Made During the Reporting Period

Data collected as part of the supplemental investigation at the eastern end of the Site were summarized within the *Supplemental Investigation Report*. The significant findings of the investigation were:

- Groundwater quality in the east parking lot is not impacted by VOCs beyond the limited areas defined within the CMS Report;
- Soil vapor is not migrating eastward from the Solvent Dock Area toward the IHOP restaurant;
- Groundwater near the former northern-perimeter ditch was confirmed to be impacted by VOCs at locations between the western extent of the maintenance building and the termination of the former northern-perimeter ditch under-drain; and
- Limited soil sampling indicates the presence of VOCs in soils in one sampled location at the former northern-perimeter ditch.

Data collected as part of the 2009 and 2010 annual vapor-intrusion studies were received and reviewed during the first quarter 2010. Data from each of these events indicate that trichloroethene indoor-air concentrations do not appear related to subsurface conditions, but are likely associated with a background source inside the ConMed facility. The data also indicate that sub-slab soil-vapor concentrations of site-related VOCs have been reduced as a result of operations of the SSDS with the exception of an area associated with extraction sump SDS-3. This area will be the

subject of additional extraction points as proposed within the *Sub-Slab Depressurization System 100% Design Work Plan*.

The significant findings of the *WWTP Inspection Findings Report* were:

- Identification of eight WWTP influent and effluent pipes requiring capping or plugging;
- Identification of residual materials (i.e., sediment) in several lines requiring removal; and
- Identification of a broken roof drain, which was presumed to be partly or entirely the source of water in the WWTP basement (due to accumulated rainfall, snow, and snowmelt).

Based on these findings, recommendations were made within the *WWTP Inspection Findings Report* to cap or plug the eight WWTP influent and effluent pipes, remove any residual materials from those lines where it was observed, repair the roof drain, and remove all standing water from the WWTP basement and tanks.

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 February 4, 2010, Lockheed Martin held an informational meeting with NYSDEC and NYSDOH to discuss the status of the Solvent Dock Area project, including soil-vapor and indoor air quality, results of the supplemental investigation completed at the eastern portion of the Site, and a review of the contents of the *Site Management Plan* and associated documents. During this meeting, NYSDEC and NYSDOH stated that installation of upgrades to the SSDS and GCTS could proceed as ICM's in advance of issuance of the Statement of Basis.

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

As reported to NYSDEC during the first quarter 2010, Mr. Charles Trione has assumed the responsibilities as Project Lead on behalf of Lockheed Martin. 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 second-quarter-2010 reporting period:

- Continue operation and maintenance of the GCTS, including effluent sampling for compliance with the existing SPDES permit (NY-012-1894);
- Continue operation and maintenance of the SSDS, including quarterly SSDS sampling and monitoring;
- Submit work plan for follow up investigations at former northern-perimeter ditch;
- Schedule and conduct follow up investigations at former northern-perimeter ditch;
- Submit work plan for WWTP closure activities;
- Schedule and conduct WWTP closure activities;
- Provide results of guard house VI sampling to NYSDEC and NYSDOH;
- Provide technical support as needed to excavations associated with the repair of fire-suppression-post indicator valves conducted by ConMed personnel;
- Complete briefing discussions with ConMed representatives on content of Annual Vapor-Intrusion Study Report for the Solvent Dock Area for 2010;
- Revise and resubmit appropriate components of the Site Management Plan and associated documents based on NYSDEC and NYSDOH comments;

- Conduct inventory of Site piezometers and monitoring wells; conduct repairs as needed; and
- Prepare for implementation of SSDS and GCTS design upgrades.