

Mr. Larry A. Rosenmann  
New York State Department of Environmental Conservation  
Division of Solid and Hazardous Materials  
Bureau of Hazardous Waste and Radiation Management, 9<sup>th</sup> Floor  
625 Broadway  
Albany, New York 12233-7258

Subject:  
Tank Status Report - Revised  
Former Lockheed Martin French Road Facility  
525 French Road, Utica, New York

Dear Mr. Rosenmann:

On behalf of Lockheed Martin Corporation (Lockheed Martin), ARCADIS has prepared this tank status report for the Former Lockheed Martin French Road Facility (the site) in Utica, New York. As part of the Order on Consent (CO 6-20080321-5) for the site issued by the New York State Department of Environmental Conservation (NYSDEC), ARCADIS submitted what was defined as a Solid Waste Management Unit (SWMU) matrix which identified potential areas of investigation. Within this SWMU matrix, Table 1 from the Phase I Environmental Site Assessment (Phase I ESA) (Blasland, Bouck and Lee, 1995) was included and identified thirty-five (35) tanks for the former Lockheed Martin facility. Of these 35 tanks, 25 were listed as being closed and/or removed. Ten (10) of the tanks, however, were indicated as "in use", and their status was not confirmed prior to the submission of the SWMU matrix to the NYSDEC. This letter report has been prepared to summarize the findings on these ten (10) tanks, and address what has been identified as Area of Concern 5 (AOC 5) in Attachment 2 (Corrective Measures Implementation Plan) to the Order on Consent.

### **FOIL Request and File Review**

ARCADIS submitted a Freedom of Information Law (FOIL) request to the NYSDEC to review files pertinent to the former Lockheed Martin facility. On 15 July 2008, ARCADIS reviewed files at the NYSDEC office in Utica, New York. Files from the NYSDEC Watertown office were also reproduced by that office and mailed to ARCADIS. These files included tank status information, as well as historical and active remedial project information, air permitting documents, and other general correspondence pertaining to the site. Those documents determined to be associated specifically with the status of the 10 tanks in question were reviewed (and copied, if appropriate).

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ENVIRONMENTAL

Date:  
December 1, 2008  
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2009

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## Site Inspection and Employee Interviews

Following the review of files generated from the NYSDEC FOIL request, ARCADIS completed a site visit to confirm documentation discovered within the NYSDEC files, as well as to identify and/or interview current ConMed Corporation staff who had previously worked for or have a working knowledge of operations of the facility when it was owned and operated by Lockheed Martin. Two current employees were identified and questioned as part of the tank status investigation. Additionally, in February 2009 ARCADIS conducted an interview with the former facility manager (Mr. Jon Ames of Lockheed Martin).

Where possible, ARCADIS also located and reviewed the current condition of the 10 tanks. As explained further below, ARCADIS was unable to confirm the former location of one of the tanks (identified as tank 17) due to a lack of specific information regarding each tank. Figure 1 provides the general locations of the other tanks.

## Findings and Conclusions

Based on the tank investigation activities identified above, the status of the each of the 10 tanks was confirmed. A summary of the 10 tanks is included on Figure 1, and summarized below.

### *Tanks 16, 17, and 19*

Tank 16 is a former 20,000-gallon aboveground storage tank having contained #1 fuel oil. This tank (located adjacent to the Boiler House) was closed in place, according to the file review. This tank is currently present at the facility, and is marked as closed on the outside of the tank. No observations of staining, spills or leaks on the asphalt around the tank were noted.

The former location of tank 17 was not able to be determined based on ARCADIS' file review, interviews with former employees, and site inspections. However, based on files reviewed at the NYSDEC office in Utica, New York, documentation existed confirming that tank 17 was closed; therefore, the final status of Tank 17 is confirmed. Tank 17 was a former 61-gallon gasoline aboveground storage tank listed as located at or adjacent to the main guard house. An inspection of the guard house did not indicate the location of this tank.

Tank 19 was a former 411-gallon #2 fuel oil above-ground storage tank listed as located at the material acquisition center (MAC). The MAC was a leased facility

initially operated by General Electric that was located off-site from the French Road main plant facility (immediately north of the facility and within a light industrial park). It appears from information in the Phase I ESA that Tank 19 was registered under the Petroleum Bulk Storage registration for the French Road main plant facility and was installed in 1988. The tank was listed as "closed-removed" on documentation within NYSDEC files (reviewed as part of the FOIL request), although a date of closure was not presented. This tank is not considered part of the former Lockheed Martin facility as defined within the Order on Consent, and its status was not confirmed as part of this report.

In addition to the information provided above, ARCADIS reviewed existing soil, groundwater and soil gas sampling data available in the general vicinity of each of the former tank locations to evaluate the potential of impacts from these tanks to the environment.

As part of the evaluation of soil gas quality at the site, a soil vapor sample was collected from within the guard house (and near the approximate location of Tank 17). This soil vapor sample (designated as VP-12SD) did not have any concentrations of volatile organic compounds (VOCs) warranting further evaluation (i.e., no further action in accordance with the NYSDOH guidance). This no further action determination is supported by the absence of any potential impacts to soil or groundwater below the guard house related to a potential release from Tank 17. The soil gas data was submitted to the NYSDEC as part of the *Addendum to the Vapor Intrusion Study Report for the Solvent Dock Area* (ARCADIS, February 29, 2008).

Based on the file review, site inspection, interviews with site employees, and recent analytical data, none of these tanks had spills or leaks associated with them, and were in good working order until their date of closure. As such, no further investigation into these 3 tanks is necessary.

### ***Tanks 15, 27, 28, 29, 30, and 31***

Tanks 15, 27, 28, 29, 30, and 31 are located within the former waste water treatment plant (also identified as the former pH neutralization building). Each tank was identified as present within the plant and currently inactive. Current facility operations by ConMed Corporation do not include the use of this treatment plant. The plant is currently not used by ConMed, and there are no future plans to use the plant for waste water treatment.

Tank 31 is a 775-gallon steel tank located on the main (first) floor of the former waste water treatment plant and is labeled as having contained sodium hydroxide for the waste water treatment process. This tank was also identified (by lettering on the tank side) as the "Final Tank" (presumably in the waste water treatment process prior

to discharge to the sanitary sewer). This tank was visually observed to be empty at the time of the site inspection, and appeared to be in good condition. No observations of staining, spills, or leaks on the concrete floor around the tank were noted.

Tanks 27, 28, 29 and 30 are concrete tanks located in the basement of the waste water treatment plant. The tanks were used in the waste water treatment process, although specifics regarding their function in the treatment process were not determined during this tank status evaluation. The tanks were not fully observed during the site inspection due to limited access within the waste water treatment plant (i.e., restricted access to the tanks from the first floor and potential confined space and other health and safety concerns), but each appeared to be empty and in good condition (based on the observations completed). No observations of staining, spills, or leaks on the concrete floor around the tanks were noted. The basement floor of the waste water treatment plant was under approximately 6 to 10 inches of clear water (presumably groundwater) during the site visit. The concrete floor was observed to be in good condition, with no notable cracking or pitting. An inspection of the electrical circuit breaker for the waste water treatment plant indicated a circuit switch for "dewatering pumps," which may have operated during plant operations to prevent the infiltration of groundwater. No sheens, odors or other impacts were observed regarding the groundwater in the basement and the area around the 4 concrete tanks.

Tank 15 is an 800-gallon plastic tank formerly containing sodium hydroxide for the waste water treatment process. This tank is also located in the basement of the waste water treatment plant, and is elevated on a tank platform. This tank was visually observed to be empty at the time of the site inspection, and appeared to be in good condition. No observations of staining, spills, or leaks on the concrete floor around the tank were noted.

The NYSDEC file review did not provide any information regarding the status of these tanks. Additionally, interviews with former employees did not provide any additional insight to the former use and status of the tanks than that discussed above.

Based on the above observations made, no further investigation into these 6 tanks is necessary.

### ***Tank 18***

Tank 18 was identified as "outside Exit 21" on Table 1 of the Phase I ESA. ConMed employees interviewed indicated that each exit from the facility building was identified by number. A back-up generator for the facility, which is powered by #2 fuel

oil, is located outside of the exit identified as Exit 21. The fuel oil is stored in a 210-gallon steel tank located in an out-building located adjacent to the main facility. The tank and generator are in active use by ConMed. The tank was observed to be in good condition. No observations of staining, spills, or leaks on the concrete pad around the tank were noted. Additionally, secondary containment of the tank and generator were observed during the site inspection.

This tank was not the subject of any documentation reviewed. Additionally, former employees did not indicate that this location had any historical spills or releases associated with it during its operation by Lockheed Martin.

In addition to the information provided above, ARCADIS reviewed existing soil, groundwater and soil gas sampling data available in the general vicinity of this tank to evaluate the potential of impacts from the tank to the environment. As stated above, ARCADIS assisted the ConMed Corporation with completing pre-excavations and investigations in the area around eight locations where they planned to repair and/or replace below ground appurtenances associated with the fire suppression system for the facility. One of these sample locations (identified as PIV-8) was located in the general vicinity of the location of Tank 18. Data from this location did not indicate impacts to soil or groundwater that would be indicative of a fuel oil tank spill or release.

Based on these observations, no further investigation into this tank is necessary.

### **Summary**

Each of the ten (10) tanks identified as having an unknown status during the submittal of the SWMU Matrix to the NYSDEC were located as part of the tank investigation. Each of the tanks is either closed or inactive, with the exception of Tank 18 (which is actively used to fuel a back-up generator for the ConMed facility) and Tank 19 (which was located at the former MAC, and is not part of the French Road facility). Note that Tank #17 was evaluated based on its approximate location and available information. None of the 10 tank locations were observed to or had records indicating spills, leaks, or other conditions that may have impacted soil and/or groundwater at the site. As such, no further investigation into the status of these tanks is required.

The NYSDEC provided a preliminary review of the initial version of this report (December 1, 2008 submittal). As part of that review, the NYSDEC requested that information be provided to demonstrate that the WWTP influent and effluent pipes had been sealed and all residual materials removed during site closure activities. Lockheed Martin is currently investigating the condition of these pipes, and will

provide a determination as well as recommendation on future actions (if required) as part of future corrective actions.

This summary report completes requirements for AOC 5 in Attachment 2 to the Order on Consent (CO 6-20080321-5) (Corrective Measures Implementation Plan). A summary of this investigation will also be included within the Corrective Measures Study Report for the site, as required by the Order on Consent.

Sincerely,

ARCADIS



Jeffrey J. Bonsteel  
Project Scientist

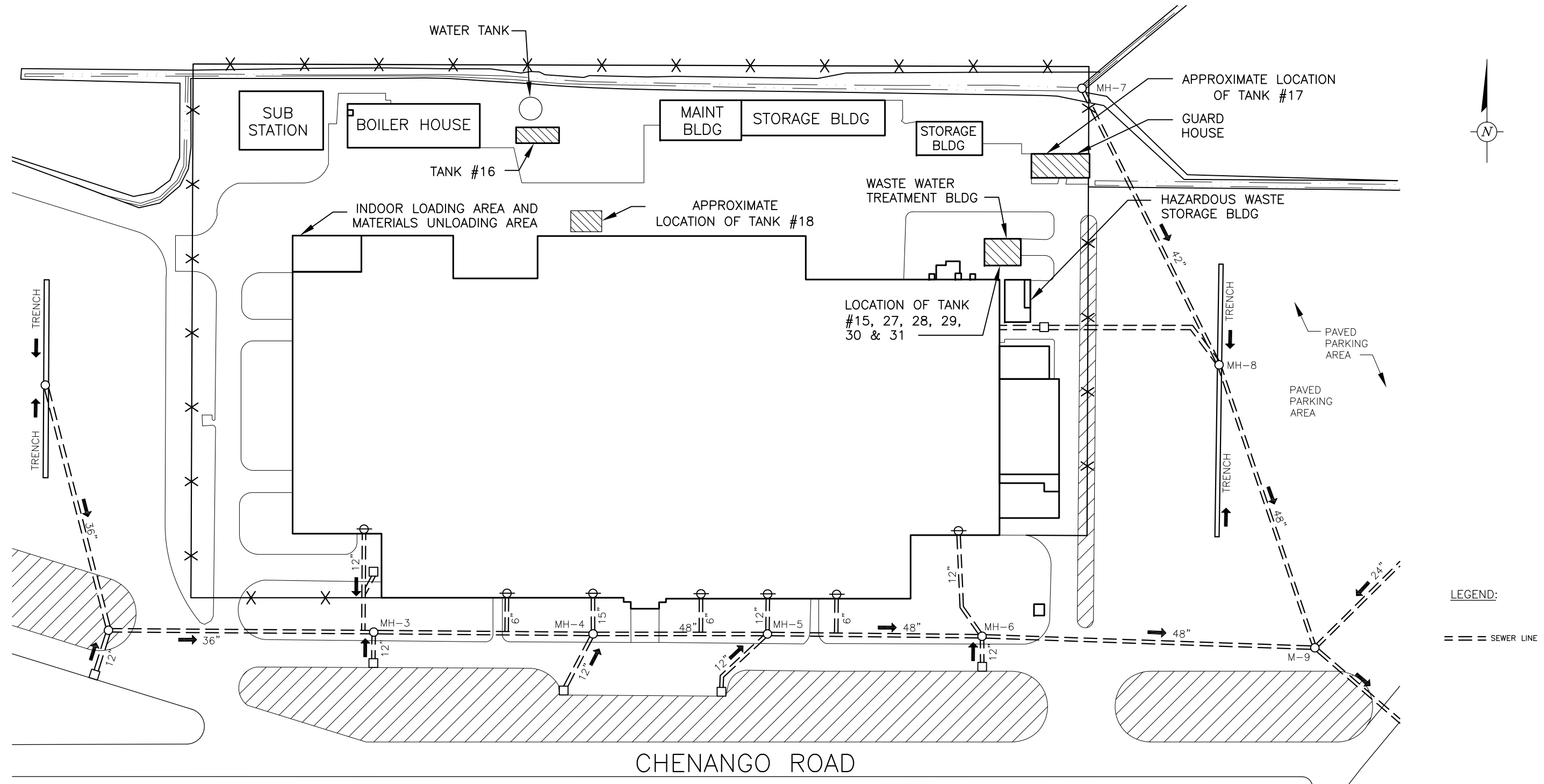
Attachments:

Figure 1

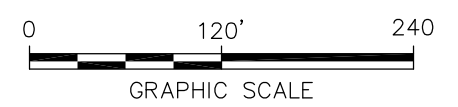
Copies:

Chris Motta, ARCADIS  
Tom Blackman, LMC  
Greg Rys, NYSDOH-Herkimer  
Paul Ragusa, ConMed  
File

CITY/STATE: DIVISION: PROJECT: DRAWING: DATE: 11/20/2009 1:47 PM BY: GFORNORTH, JOHN  
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Tank #	Location	Type	Contents	Capacity (gallons)	Construction	Status	As of Date
15	Waste Treatment	AST	Sodium Hydroxide	800	Plastic	In place - In active	July 2008
16	Boiler House	AST	#1 Fuel Oil	20,000	Steel	Closed in place	May 2001
17	Main Guard House	AST	Gasoline	61	Steel	Closed - removed	May 2001
18	Outside Exit 21	AST	#2 Fuel Oil	210	Steel	Active	July 2008
19	Material Acquisition Center (off-site location)	AST	#2 Fuel Oil	411	Steel	Closed - removed	Unknown
27	Wastewater Treatment	UST	Wastewater	1,294	Concrete	In place - In active	July 2008
28	Wastewater Treatment	UST	Wastewater	3,319	Concrete	In place - In active	July 2008
29	Wastewater Treatment	UST	Wastewater	2,306	Concrete	In place - In active	July 2008
30	Wastewater Treatment	UST	Wastewater	1,856	Concrete	In place - In active	July 2008
31	Wastewater Treatment	UST	Wastewater	Unknown	Steel	In place - In active	July 2008



FORMER LOCKHEED MARTIN  
 FRENCH ROAD FACILITY  
 UTICA, NEW YORK  
**TANK STATUS REPORT**

**SITE MAP**

**ARCADIS**

FIGURE  
**1**