



December 8, 1995

Robert W. Schick, P.E.  
Section Chief, Remedial Section A  
Bureau of Western Remedial Action  
Division of Hazardous Waste Remediation  
New York State Department of Environmental Conservation  
50 Wolf Road  
Albany, New York 12233

RE: Interim Remedial Measure Certification Report  
Storm Sewer Catch Basins and Associated Piping  
Farrell Road Plant, Geddes, Onondaga County, New York  
NYSDEC Site No. 734055

Dear Mr. Schick:

In accordance with Paragraph V of the Consent Order (Index #A7-0307-93-10) for the Martin Marietta Corporation, Farrell Road Site (Registry #734055), enclosed are four copies of the Interim Remedial Measure Certification Report ("IRM Report") for the remediation of storm sewer catch basins and associated piping. Martin Marietta requests NYSDEC approval of this IRM Report. Please contact me at (315) 456-3199 if you have any questions.

Sincerely,

A handwritten signature in cursive script that reads "Patrick Salvador".

Patrick D. Salvador, P.E.  
Principal Engineer

Enclosure

c: Director, Bureau of Environmental Exposure Investigation (2 copies)  
Sandra Lee Fenske, Esq. - Martin Marietta  
Henriette Hamel - NYSDOH  
Michael Lesser, Esq. - NYSDEC  
Daniel Palm, Director, NYSDEC  
Virginia C. Robbins, Esq. - Bond, Schoeneck & King

# Report

---

***Certification Report  
Farrell Road Plant  
Interim Remedial Measure  
Catch Basins and Associated Piping***

Martin Marietta Corporation  
Syracuse, New York

December 1995

**BLASLAND, BOUCK & LEE, INC.**  
**ENGINEERS & SCIENTISTS**

6723 Towpath Road  
Syracuse, New York 13214  
(315) 446-9120

# Table of Contents

	<u>Page</u>
<b>1.0 - Introduction</b>	
1.1 Purpose and Scope	1
1.2 Background Information	2
<b>2.0 - Summary of IRM Activities</b>	
2.1 General	5
2.2 IRM Activities	5
2.2.1 Catch Basin and Associated Pipe Cleaning	5
2.2.2 Confirmation of Remediation	7
2.2.3 Waste Handling and Disposal	7
<b>3.0 - Certification Statement</b>	10
<b>Figures</b>	
Figure 1 - Site Location Map	
Figure 2 - Site Plan	
<b>Attachments</b>	
Attachment 1 - NYSDEC Approval Letter for IRM Work Plan	
Attachment 2 - Town of Geddes Access Authorization Letter	
Attachment 3 - NYSDEC Approval Letter for IRM Contractors	
Attachment 4 - Photographs	
Attachment 5 - Analytical Data	
Attachment 6 - Hazardous Waste Manifests	

# **Section 1**

## **Introduction**



# 1.0 - Introduction

---

## 1.1 Purpose and Scope

This Certification Report has been prepared to document activities completed as part of the Interim Remedial Measure (IRM) to remediate catch basins and associated storm sewer piping at the former General Electric (GE) Aerospace Farrell Road Plant (FRP) located on Farrell Road in the Town of Geddes, Onondaga County, New York (the site).

This report has been prepared in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved IRM Work Plan for Catch Basins and Associated Piping, prepared by ERM-Northeast, Inc. (July 1995) and the requirements of an Order on Consent (Index # A7-0307-93-10) entered by Martin Marietta Corporation (MMC) and the NYSDEC.

This Certification Report is organized as follows:

Section 1.0 - Introduction: This section presents the purpose and scope of the Certification Report, as well as pertinent background information related to the IRM.

Section 2.0 - Summary of IRM Activities: This section presents a summary of the activities completed as part of the IRM including cleaning, waste handling and disposal activities.

Section 3.0 - Certification Statement: This section presents a certification statement indicating that the IRM was completed in general accordance with the NYSDEC-approved IRM Work Plan.

## **1.2 Background Information**

The FRP is located northeast of Routes 690 and 90, and south of the Seneca River, as shown on the Site Location Map (Figure 1). The site includes four buildings: Building No. 1 was formerly used as a design center; Building No. 2 was used as a manufacturing and assembly plant; the Test Building was used to test radar products; and the Maintenance Garage was used to service and house facility-support vehicles (Figure 2).

Environmental investigations conducted at the site have determined that soil and ground water have been impacted by past industrial activities. As a result of these findings, the site was placed on the NYSDEC Registry of Inactive Hazardous Waste Disposal Sites (Site No. 734055) as a Class 2 site. MMC entered into an Order on Consent with the NYSDEC on December 15, 1993 to perform a Remedial Investigation/Feasibility Study (RI/FS) at the site on its own behalf as prior owner and successor in interest to GE Aerospace. As part of the RI, sediments present in the on-site catch basins were found to be impacted by volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs) and metals. Upon discovery of the impacted sediments, MMC proposed to conduct an IRM to remove and dispose of the accumulated sediments.

In accordance with the requirements of the Order on Consent, an IRM Work Plan (ERM-Northeast, Inc., July 1995) was prepared and submitted to the NYSDEC for review and approval. The IRM Work Plan describes the methods for the removal of sediments and cleaning of the storm sewer catch basins and associated piping. NYSDEC approval of the storm sewer catch basin IRM was provided in an August 8, 1995 letter to MMC (Attachment 1).

The scope of the NYSDEC-approved IRM Work Plan included cleaning the following 18 catch basins and associated piping (Figure 2):



- Line No. 001 - Includes catch basin 15 (CB-15), CB-16, CB-17, and CB-18;
- Line No. 002 - Includes CB-13 and CB-14;
- Line No. 004 - Includes CB-05, CB-06, and CB-19;
- Line No. 005 - Includes CB-01, CB-02, CB-03, CB-04, CB-07, and CB-08; and
- South Line - Includes CB-09, CB-10, and CB-11.

It should be noted that CB-12 was not located during the RI activities and therefore was not included as part of the IRM. Also, authorization to clean Outfall 009 was required from the Town of Geddes since the outfall is located in the Farrell Road right-of-way. Verbal authorization was obtained from the Town's Superintendent of Highways on September 8, 1995 and confirmed in a September 11, 1995 letter to the Town (Attachment 2).

The cleaning approach specified in the IRM Work Plan consisted of manual removal and vacuuming of sediments, along with high-pressure washing in accordance with the following procedures:

- Visual examination of the catch basin and its contents;
- Manual removal or vacuuming of loose sediment in the catch basin;
- Entering the catch basin, if necessary, and pressure washing associated piping; and
- Pressure washing the catch basin and vacuuming all wash water.

---

The remedial objectives established in the IRM Work Plan included: 1) remove sediments from the identified catch basins and associated piping; and 2) prevent the downstream migration of contaminants. In accordance with the IRM Work Plan, verification of sediment removal was based on visual observation and photographic documentation.



## **Section 2**

### **Summary of IRM Activities**

## 2.0 - Summary of IRM Activities

### 2.1 General

MMC retained Upstate Environmental Services, Inc. (Upstate) to conduct the cleaning activities associated with the IRM; and Blasland, Bouck & Lee, Inc. (BBL) to provide full-time observation of the IRM with respect to conformance with the guidelines established in the NYSDEC-approved IRM Work Plan. The NYSDEC approved the use of the selected contractors in a September 6, 1995 letter to MMC (Attachment 3). Catch basin cleaning activities commenced on September 11, 1995 and were completed on September 19, 1995. Mr. Kevin Delaney of NYSDEC's Region 6 office conducted site visits on September 11, 13, and 14 to observe the progress of the IRM. Disposal of wastes generated during the IRM (i.e., wash water, personal protective equipment [PPE], used disposable equipment, and sediments) was completed on October 2 and 20, 1995. The IRM activities are summarized below.

### 2.2 IRM Activities

#### 2.2.1 Catch Basin and Associated Pipe Cleaning

In accordance with the IRM Work Plan, 18 catch basins and associated piping identified in the work plan were cleaned by manual removal and high-pressure water washing. High-pressure water washing was accomplished using a truck-mounted "waterblaster" and a pipe rodder, which were supplied by North American Industrial Services, Inc. and Central New York Industrial Services, Inc., respectively as subcontractors to Upstate. Collection of waste materials from the catch basins was accomplished using a vacuum truck supplied by North American Industrial Services, Inc.

The waterblaster used a low-flow (approximately 30 gallons per minute [gpm]), high-pressure (up to 2,000 pounds per square inch [psi]), hydraulic nozzle which was self-propelled through the pipe, while

it pushed sediment, solids, and washwater toward the point of entry. The pipe rodder is operated on the same principle as the waterblaster, but uses a high-flow (60 gpm), high-pressure (up to 2,000 psi) hydraulic nozzle. The waterblaster removes normal sediment buildup, while the pipe rodder removes heavy sediment and debris accumulation. In an effort to minimize the generation of washwater, the waterblaster was used to clean a majority of the pipes; however, use of the pipe rodder was necessary to remove heavier sediment and debris accumulation in several of the pipe sections.

The waterblaster and/or pipe rodder was introduced into the pipes at catch basins (or other access points) and allowed to advance to an adjacent catch basin or the outfall. The waterblaster and/or pipe rodder was then retrieved, which caused accumulated solids, sediment, and washwater to be flushed to the point of entry. During the pipe washing operation, a vacuum truck was in continuous operation at either the entry manhole or a downgradient manhole to collect all solids, sediment and washwater flushed from the pipe. To prevent discharge of washwater, and sediments at the outfalls, the discharge pipe of the collection catch basin and/or the associated outfall was plugged with sand bags and pneumatic plugs. The advancement and retrieval of the waterblaster or the pipe rodder was repeated until all visible sediment was removed from the pipe.

Following the cleaning of the pipes associated with a catch basin, the walls and base of the catch basin were rinsed with water, and all sediment, debris, and washwater was collected by vacuuming. The handling of wastes generated during the IRM is discussed in Subsection 2.2.2.

Access to all pipes cleaned as part of this IRM was made through the existing catch basins, with the exception of Line 002 (see Figure 2). Since the location of CB-13 and CB-14 on Line 002 would not allow for cleaning of the entire line, an excavation was performed adjacent to the north side of Building No. 2 to access the storm sewer pipe. A section of the storm sewer pipe was removed (via sawcutting), and the pipe cleaning was completed from that location as described above.



### 2.2.2 Confirmation of Remediation

Following the cleaning of the catch basins and associated piping a visual inspection was performed and photographs obtained to document that all sediment had been removed. Visual inspections were performed through catch basin entry with inspection of the catch basin and associated piping. The section of storm sewer adjacent to the north side of Building No. 2 was inspected at the sawcut opening; following cleaning and inspection the sawcut opening was repaired through replacement and mortaring of the removed pipe section. Photographs of each of the catch basins following the cleaning activities are presented as Attachment 4.

### 2.2.3 Waste Handling and Disposal

In accordance with the IRM Work Plan, all wastes generated as part of the IRM were collected and containerized for disposal. Three waste streams were generated as part the IRM, including: washwater, sediment, and used disposable equipment (vacuum hose) and PPE. The waste stream quantities, handling, and final disposition are summarized below.

#### **Washwater**

As discussed above, washwater (including sediment and debris) was removed from the catch basins by use of a vacuum truck. The vacuumed materials were allowed to settle within the vacuum truck and the washwater was decanted from the vacuum truck and placed in two tanker trucks staged on-site. To evaluate alternatives for final disposition of the washwater, one discrete washwater sample was collected from each of the tanker trucks for laboratory analysis. The washwater analysis included the following parameters:

- VOCs;
- Pesticides and PCBs;



- Inorganics, including arsenic, barium, cadmium, copper, lead, mercury, nickel, selenium, silver, thallium, and zinc;
- Oil and grease; and
- pH.

The results of the laboratory analysis indicate that detectable concentrations of VOCs, oil and grease, and metals were present in the washwater stored in Tanker #1 (approximately 2,150 gallons of washwater), and detectable concentrations of oil and grease, and metals were present in the washwater stored in Tanker #2 (approximately 5,000 gallons of washwater). The laboratory analytical results for the washwater are included in Attachment 5.

Based on a review of the analytical data and an evaluation of disposal alternatives, off-site transportation of the collected washwater for treatment and disposal was selected as the disposal option. All collected washwater (approximately 7,150 gallons) was transported to Laidlaw Environmental Services, Inc. (Laidlaw), located in Lawrence, Massachusetts, for treatment and disposal. Copies of the manifests associated with the off-site transportation of the washwater are included in Attachment 6.

### **Sediment**

As stated above, the accumulated solids were vacuumed from the catch basins, along with the washwater and allowed to settle within the vacuum truck. The solids were removed from the vacuum truck, placed in steel 55-gallon drums, and temporarily stored on site. Eight 55-gallon drums of sediment were generated as part of the cleaning activities.

In accordance with the IRM Work Plan, one composite sediment sample was collected and analyzed for VOCs and PCBs as required by the disposal facility (Laidlaw). The laboratory analysis indicated that the collected sediments contained 0.62 parts per million (ppm) PCBs and

approximately 1.4 ppm of total VOCs (including acetone; 1,1-dichloroethane; toluene; and 1,1,1-trichloroethane). The analytical results for the sediments are included in Attachment 5. Based on a review of the analytical results, the collected sediments were transported off site on October 20, 1995 to Laidlaw's Lawrence, Massachusetts facility for treatment and disposal. The hazardous waste manifest associated with the off-site transportation of the collected sediment is included in Attachment 6. It should be noted that other waste materials stored at the site, which were not generated as part of this IRM, were also shipped off-site at this time and are also reported on the attached hazardous waste manifest.

#### **Used PPE and Disposable Equipment**

Used PPE was containerized in one 55-gallon drum, and the disposable equipment (consisting primarily of used vacuum hose) was containerized in three wrangler boxes prior to off-site transportation and disposal. The collected PPE and disposable equipment were transported off site on October 20, 1995 to Laidlaw's Lawrence, Massachusetts facility for landfilling. The hazardous waste manifest associated with the off-site transportation of the PPE and disposable equipment is included in Attachment 6. It should be noted that other waste materials stored at the site, which were not generated as part of this IRM, were also shipped off-site at this time and are also reported on the hazardous waste manifests included in Attachment 6.

## **Section 3**

### **Certification Statement**



# 3.0 - Certification Statement

I certify, as a licensed professional engineer in the State of New York, that to the best of my knowledge, the execution of the Interim Remedial Measure to remediate Catch Basins and Associated Piping completed at the Farrell Road Plant (Site No. 734055) was performed in general conformance with the New York State Department of Environmental Conservation-approved work plan entitled "IRM for Catch Basins and Associated Piping", prepared by ERM-Northeast, Inc., dated July 1995.



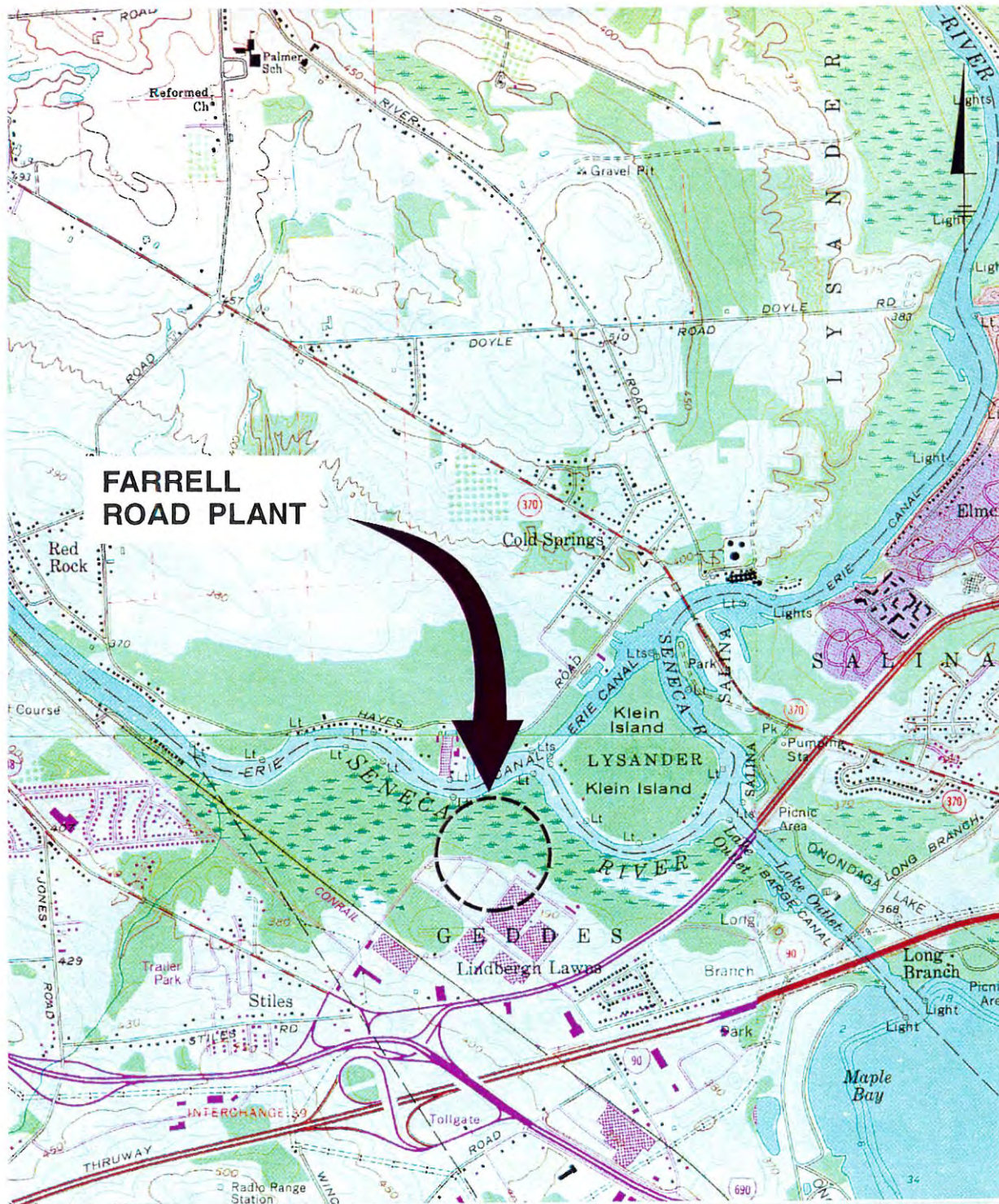
A handwritten signature in cursive script, appearing to read "Edward R. Lynch".

Edward R. Lynch, P.E.  
Executive Vice President  
NYS License No. 057526

Blasland, Bouck & Lee, Inc.  
6723 Towpath Road, P.O. Box 66  
Syracuse, New York 13214



# Figures



REFERENCE: SYRACUSE WEST, NY USGS QUAD. 1973 PR 1978  
 BREWERTON, N.Y. USGS QUAD. 1973 PR 1978  
 BALDWINVILLE, N.Y. USGS QUAD. 1973 PR 1978  
 CAMILLUS, N.Y. USGS QUAD. 1973 PR 1978



APPROX. SCALE: 1" = 2000'



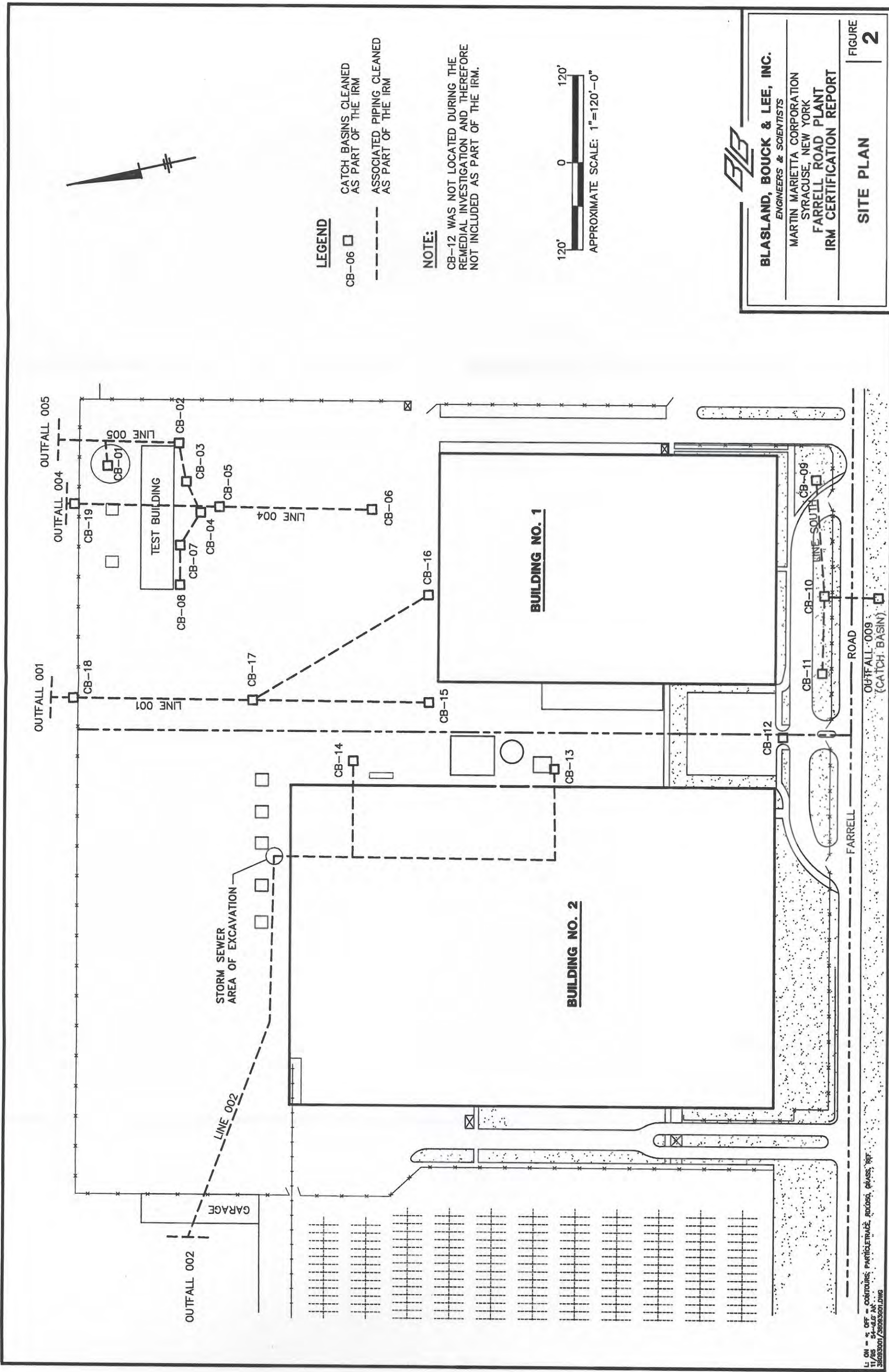
**BLASLAND, BOUCK & LEE, INC.**  
 ENGINEERS & SCIENTISTS

MARTIN MARIETTA CORPORATION  
 SYRACUSE, NEW YORK  
**FARRELL ROAD PLANT**  
 IRM CERTIFICATION REPORT

**SITE LOCATION MAP**

**FIGURE 1**





**LEGEND**

- CB-06 CATCH BASINS CLEANED AS PART OF THE IRM
- ASSOCIATED PIPING CLEANED AS PART OF THE IRM

**NOTE:**

CB-12 WAS NOT LOCATED DURING THE REMEDIAL INVESTIGATION AND THEREFORE NOT INCLUDED AS PART OF THE IRM.

120' 0 120'  
APPROXIMATE SCALE: 1"=120'-0"



**BLASLAND, BOUCK & LEE, INC.**  
ENGINEERS & SCIENTISTS  
MARTIN MARIETTA CORPORATION  
SYRACUSE, NEW YORK  
FARRELL ROAD PLANT  
IRM CERTIFICATION REPORT

**SITE PLAN**

FIGURE  
**2**

1: CM = S. CEF - COORDINATE PARTICULATE REDUCED, GRASS, REF.  
11/05 54-416 N  
3/20/2001/28093501.DWG

# Attachments



***Attachment 1***

***NYSDEC Approval Letter for IRM Work Plan***

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
50 Wolf Road, Albany, New York 12233



Michael D. Zagata  
Commissioner

August 8, 1995

MMC

Patrick D. Salvador, P.E.  
Principal Engineer  
Martin Marietta Corporation  
Bldg. 5, Room H6  
Electronics Park  
Syracuse, New York 13221

AUG 10 1995

Environment, Health  
& Safety

Dear Mr. Salvador:

**Re: GE Farrell Road Site, Geddes, Onondaga County,  
New York, Site No. 7-34-055  
Storm Sewer/Catch Basin IRM Work Plan**

The New York State Department of Environmental Conservation (NYSDEC) and New York State Department of Health (NYSDOH) have reviewed the IRM Work Plan for Catch Basins and Associated Piping, which was received on July 10, 1995. The Work Plan is approved.

Please initiate implementation of this work plan at this time consistent with the schedule provided in the approved document.

If you have any questions, please contact me at 518/457-4343.

Sincerely,

A handwritten signature in black ink, appearing to read "R. W. Schick".

Robert W. Schick, P.E.  
Section Chief, Remedial Section A  
Bureau of Western Remedial Action  
Division of Hazardous Waste Remediation

cc: H. Hamel, DOH  
S. Lee Penske, Esq.  
V. Robbins, Esq.

***Attachment 2***

***Town of Geddes Access Authorization Letter***

September 11, 1995

Mr. Nunzio Susco  
Superintendent of Highways  
Town of Geddes  
654 Terry Road  
Syracuse, New York 13219

Re: Storm Sewer Access and Cleaning  
on Farrell Road

File: 0380.38093 #2

Transmitted Via: U.S. Mail  
Pages Sent: 2 Plus Attachment

Dear Mr. Susco:

The purpose of this letter is to confirm your September 8, 1995 telephone conversation with Mr. Wayne DeCarr of this office regarding authorization for access and cleaning of a storm sewer catch basin, known as Outfall 009 (see Attachment 1), located on Farrell Road. Outfall 009 and a portion of the associated piping will be cleaned as part of a storm sewer system cleaning program being conducted by Lockheed Martin Corporation at the former General Electric Aerospace Farrell Road Plant (FRP). FRP is currently owned and operated by Syroco, Inc.

Presented below is a description of the proposed cleaning activities for Outfall 009 as well as other catch basins located at FRP.

**Storm Sewer Cleaning Activities**

Cleaning of the storm sewer catch basins and associated piping will be conducted to remove accumulated sediments. The cleaning will be performed by manual removal and vacuuming of sediments along with high pressure water washing. The general approach to cleaning the catch basins will include:

- Visual examination of the catch basin and its contents;
- Manual removal or vacuuming of any loose sediment in the catch basin;
- Entering the catch basin, if necessary, and pressure washing any associated piping; and
- Pressure washing the catch basin and vacuuming all wash water.

All water and sediment removed from the catch basins will be containerized for disposal by Lockheed Martin Corporation. The outlet pipe of Outfall 009 will be plugged during the cleaning operation to ensure that wash water and sediment is not discharged downgradient of the catch basin during the cleaning operation. Only the inlet piping to Outfall 009 will be cleaned as part of the cleaning program.



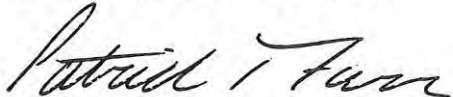
Mr. Nunzio Susco  
September 11, 1995  
Page 2

Pursuant to your conversation with Mr. DeCarr, we understand that Lockheed Martin Corporation has been authorized to access and clean Outfall 009 and that no further notifications are necessary. Access to Outfall 009 will be made from Farrell Road. Cleaning of Outfall 009 will be completed during the week of September 11, 1995.

If you have any questions or require additional information regarding the catch basin cleaning activities, please do not hesitate to contact me at 446-9120. Thank you for your assistance in this matter.

Very truly yours,

BLASLAND, BOUCK & LEE, INC.



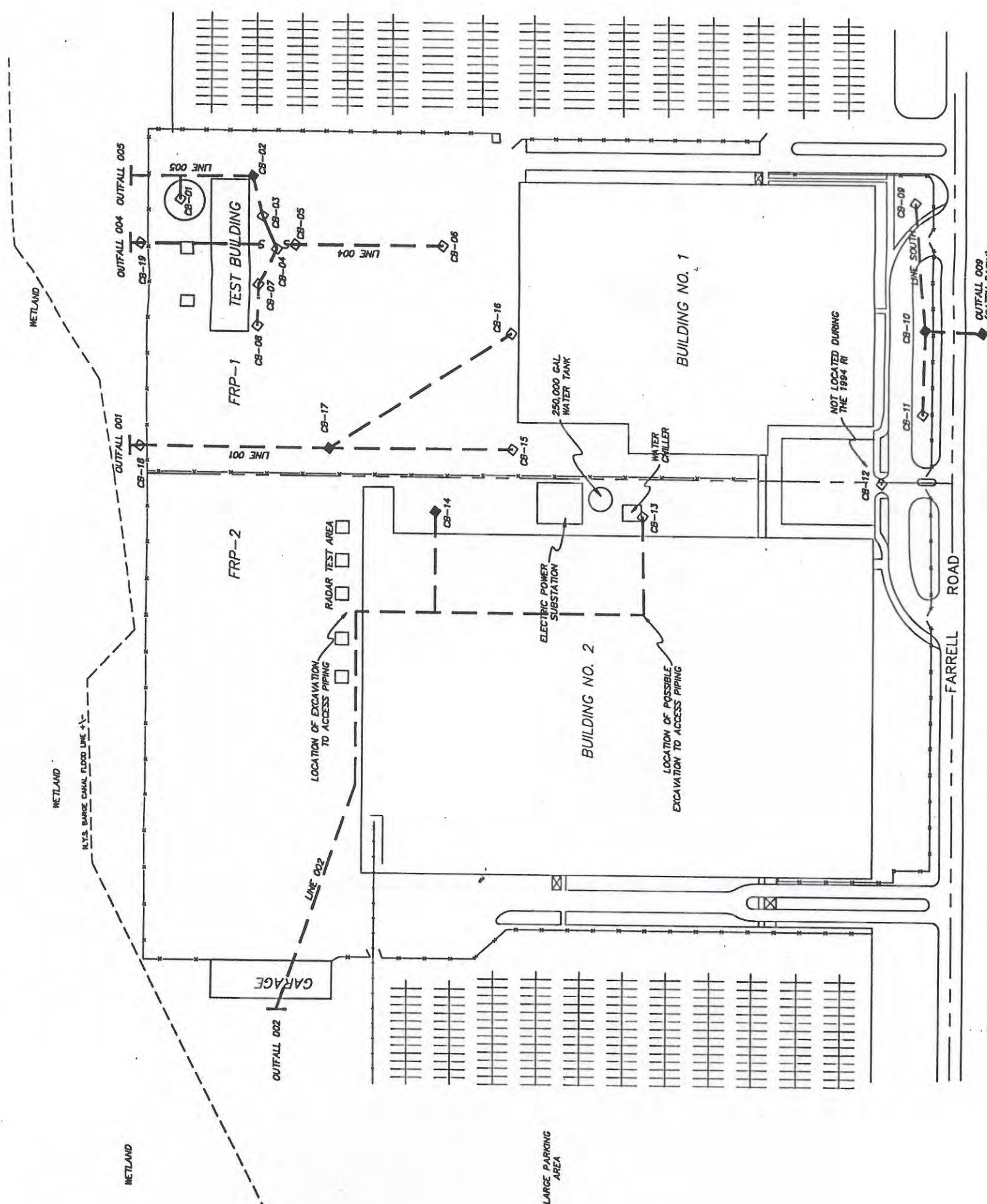
Patrick T. Farr, P.E.  
Senior Project Engineer II

PTF/mbi  
Attachment

2595842HH

cc: Mr. Patrick Salvador, P.E., Lockheed Martin Corporation  
Mr. Wayne K. DeCarr, Blasland, Bouck & Lee, Inc.

***Attachment 1***



**LEGEND**

- ◇ CATCH BASIN LOCATIONS
- ◆ CATCH BASIN LOCATIONS NOT SAMPLED DUE TO INSUFFICIENT AMOUNT OF SEDIMENT
- CONNECTING LINES TO BE CLEANED OUT AS PART OF THIS IRM

NOTE: CATCH BASIN CB-12 WAS NOT LOCATED IN THE FIELD.

**CATCH BASIN LOCATION MAP  
FARRELL ROAD PLANT**

PREPARED FOR  
**Lockheed Martin Corporation**



**ERM-Northeast**  
Environmental Resources Management

5788 Widewaters Parkway, Dewitt, NY 13214  
Tel.(315)445-2554 Fax(315)445-2543

SCALE	1"=160'
DATE	6/95
FIGURE	2-1



***Attachment 3***

***NYSDEC Approval Letter for IRM Contractors***

**NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION  
50 Wolf Road, Albany, New York 12233**



September 6, 1995

**Michael D. Zagata  
Commissioner**

**Mr. Patrick D. Salvador, P.E.  
Principal Engineer  
Martin Marietta Corporation  
Bldg. 5, Room H6  
Electronics Park  
Syracuse, New York 13221**

**MMC**

**SEP 1 1995**

**Environment, Health  
& Safety**

Dear Mr. Salvador:

**Re: GE Farrell Road Site, Geddes, Onondaga County,  
New York, Site No. 7-34-055**

As requested in your September 1, 1995 letter, the New York State Department of Environmental Conservation (NYSDEC) approves the use of Blasland, Bouck & Lee to perform the engineering oversight, and Upstate Environmental Services to perform the IRM to remediate catch basins and storm sewers at the Site.

Kevin Delaney, from the Region 7 Syracuse office, will provide NYSDEC oversight on an as needed basis.

If you have any questions, please contact me at 518/457-4343.

Sincerely,

A handwritten signature in black ink, appearing to read "RWS".

**Robert W. Schick, P.E.  
Section Chief, Remedial Section A  
Bureau of Western Remedial Action  
Division of Hazardous Waste Remediation**

**cc: H. Hamel, DOH  
S. Lee Fenske, Esq.  
V. Robbins, Esq.**

***Attachment 4***

***Photographs***



**PHOTO LOG SHEET**



**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/19/95**

**Description: CB-1 following sediment removal**

**Photo By: P.T. Farr**



**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/11/95**

**Description: CB-2 following sediment removal**

**Photo By: W.K. DeCarr**



**PHOTO LOG SHEET**



**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/11/95**

**Description: CB-3 following sediment removal**

**Photo By: W.K. DeCarr**



**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/11/95**

**Description: CB-4 following sediment removal**

**Photo By: W.K. DeCarr**



**PHOTO LOG SHEET**



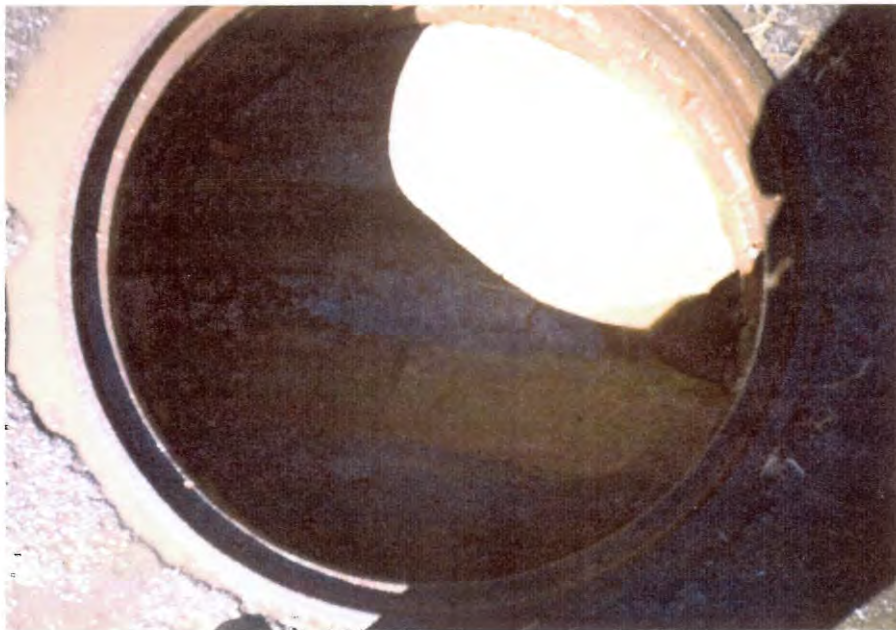
**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/11/95**

**Description: CB-5 following sediment removal**

**Photo By: W.K. DeCarr**



**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/13/95**

**Description: CB-6 following sediment removal**

**Photo By: W.K. DeCarr**





**PHOTO LOG SHEET**

**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/11/95**

**Description: CB-7 following sediment removal**

**Photo By: W.K. DeCarr**

**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/19/95**

**Description: CB-8 following sediment removal  
Mounded blacktop is present in the base of  
CB-8**

**Photo By: P.T. Farr**



**PHOTO LOG SHEET**

**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/19/95**

**Description: CB-9 following sediment removal  
CB-9 is in poor structural condition**

**Photo By: P.T. Farr**



**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/19/95**

**Description: CB-10 following sediment  
removal**

**CB-10 is in poor structural condition**

**Photo By: P.T. Farr**



**PHOTO LOG SHEET**



**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/19/95**

**Description: CB-11 following sediment  
removal**

**CB-11 is in poor structural condition**

**Photo By: P.T. Farr**



**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/19/95**

**Description: CB-13 following sediment  
removal**

**Photo By: W.K. DeCarr**



**PHOTO LOG SHEET**



**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/19/95**

**Description: CB-14 following sediment  
removal**

**Blacktop is present in the base of CB-14**

**Photo By: P.T. Farr**



**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/12/95**

**Description: CB-15 following sediment  
removal**

**Photo By: W.K. DeCarr**



**PHOTO LOG SHEET**



**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/12/95**

**Description: CB-16 following sediment  
removal**

**Photo By: W.K. DeCarr**



**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/19/95**

**Description: CB-17 following sediment  
removal**

**Blacktop is mounded in the base of CB-17**

**Photo By: P.T. Farr**



**PHOTO LOG SHEET**

**Project No.:** 0380.38093

**Project:** Farrell Road Plant  
Storm Sewer Catch Basin IRM

**Date:** 9/19/95

**Description:** CB-18 following sediment removal

**Photo By:** P.T. Farr



**Project No.:** 0380.38093

**Project:** Farrell Road Plant  
Storm Sewer Catch Basin IRM

**Date:** 9/19/95

**Description:** CB-19 following sediment removal

**Photo By:** P.T. Farr



**PHOTO LOG SHEET**

**Project No.: 0380.38093**

**Project: Farrell Road Plant  
Storm Sewer Catch Basin IRM**

**Date: 9/19/95**

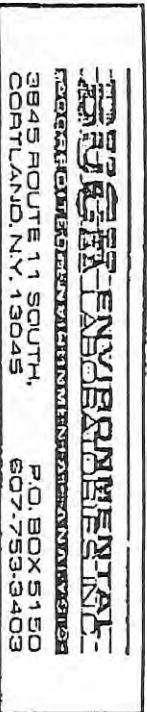
**Description: Outfall 009 following sediment  
removal**

**Base of Outfall 009 is in poor condition**

**Photo By: P.T. Farr**



***Attachment 5***  
***Analytical Data***



3845 ROUTE 11 SCOUT, P.O. BOX 5150  
 COBRTLAND, N.Y. 13045 607.753-3403

Laboratory Report  
 Lab Log No: 9509250

Client: LAIDLAW ENVIRONMENTAL SERVICES N.E.  
 4545 MORGAN PLACE  
 LIVERPOOL NY 13090-

Report Date: 09/25/95  
 Sampling Date: 09/21/95  
 Sampled By: R.S. AIELLO  
 Date Received: 09/22/95

Site: MARTIN MARIETTA - FARRELL RD.

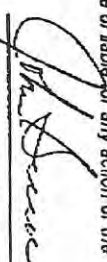
Sample ID: TANKER #1 (SILVER)

ANALYTE	METHOD	ANALYZED	BY	UNITS	DL	RESULTS
Arsenic, total	200.7/6010	09/25/95	SRG	mg/L	0.005	ND
Barium, total	200.7/6010	09/25/95	SRG	mg/L	0.05	0.12
Cadmium, total	200.7/6010	09/25/95	SRG	mg/L	0.001	ND
Chromium, total	200.7/6010	09/25/95	SRG	mg/L	0.003	ND
Copper, total	200.7/6010	09/25/95	SRG	mg/L	0.005	0.073
Digest, liquids	3005	09/22/95	SAG	date	0	complete
pH	150.1/9040	09/22/95	JEC	units	0.1	7.18
Lead, total	200.7/6010	09/25/95	SRG	mg/L	0.003	ND
Mercury, total	245.1/7470	09/25/95	SRG	mg/L	0.0004	ND
Nickel, total	200.7/6010	09/25/95	SRG	mg/L	0.02	ND
Oil & Grease	413.1/9070	09/22/95	SAG	mg/L	0.5	0.8
Selenium, total	200.7/6010	09/25/95	SRG	mg/L	0.005	ND
Silver, total	200.7/6010	09/25/95	SRG	mg/L	0.005	ND
Thallium, total	200.7/6010	09/25/95	SRG	mg/L	0.008	ND
Zinc, total	200.7/6010	09/25/95	SRG	mg/L	0.02	0.025

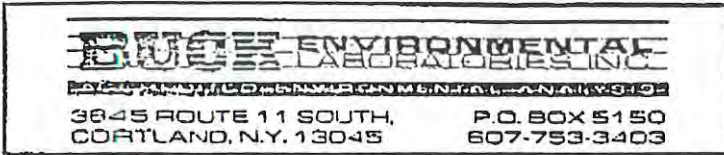
*This laboratory analysis has been performed in accordance with generally accepted laboratory practices and requirements of the New York State Department of Health ELAP Program. Buck Environmental Laboratories, Inc. makes no recommendations, representations or warranties other than as specifically set forth in this report and shall not be responsible or liable for any action or the consequences of any action taken in connection with this report.*

ND => not detected above DL indicated)  
 (DL => detection limit)  
 (mg/L => ppm in water)  
 (ug/g => ppm in solid)

Jhoy1.lw

  
 John H. Buck, P.E.  
 Laboratory Director  
 ELAP ID: 10795





Laboratory Report  
Lab Log No: 9509250

Client: LAIDLAW ENVIRONMENTAL SERVICES N.E.  
4545 MORGAN PLACE  
LIVERPOOL NY 13090-

Report Date: 09/25/95  
Sampling Date: 09/21/95  
Sampled By: R.S. AIELLO  
Date Received: 09/22/95  
Analyzed By: RG  
Analyzed: 09/23/95

Site: MARTIN MARIETTA - FARRELL RD.

Sample ID: TANKER #1 (SILVER) PESTICIDES/PCB'S BY EPA 608

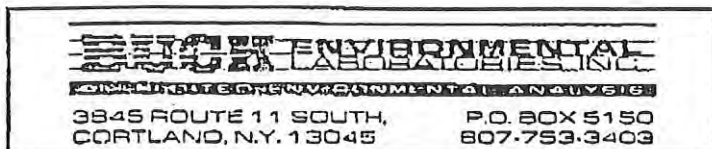
ANALYTE	CAS #	UNITS	DL	RESULTS
Aldrin	309-00-2	ug/L	0.004	ND
Alpha-BHC	319-84-8	ug/L	0.003	ND
Beta-BHC	319-85-7	ug/L	0.006	ND
Chlordane	57-74-9	ug/L	0.014	ND
4,4'-DDD	72-54-8	ug/L	0.011	ND
4,4'-DDE	72-55-9	ug/L	0.004	ND
4,4'-DDT	50-29-3	ug/L	0.012	ND
Delta-BHC	319-85-8	ug/L	0.009	ND
Dieldrin	60-57-1	ug/L	0.002	ND
Endosulfan I	959-98-8	ug/L	0.014	ND
Endosulfan II	33213-65-9	ug/L	0.004	ND
Endosulfan Sulphate	1031-07-8	ug/L	0.066	ND
Endrin	72-20-8	ug/L	0.006	ND
Endrin Aldehyde	53494-70-5	ug/L	0.023	ND
Gamma-BHC (Lindane)	58-89-9	ug/L	0.004	ND
Heptachlor	76-44-8	ug/L	0.003	ND
Heptachlor Epoxide	1024-57-3	ug/L	0.083	ND
PCB 1016	12674-11-2	ug/L	0.065	ND
PCB 1221	11104-28-2	ug/L	0.15	ND
PCB 1232	11141-16-5	ug/L	0.065	ND
PCB 1242	53460-21-9	ug/L	0.065	ND
PCB 1246	12672-29-6	ug/L	0.065	ND
PCB 1254	11097-69-1	ug/L	0.065	ND
PCB 1260	11096-82-5	ug/L	0.065	ND
Toxaphene	8001-35-2	ug/L	0.24	ND

*This laboratory analysis has been performed in accordance with generally accepted laboratory practices and requirements of the New York State Department of Health ELAP Program. Buck Environmental Laboratories, Inc. makes no recommendations, representations or warranties other than as specifically set forth in this report and shall not be responsible or liable for any action or the consequences of any action taken in connection with this report.*

(ND => not detected above DL indicated)  
(NEG => not detected)

KOCFCAM.FRX

John H. Buck, P.E.  
Laboratory Director  
ELAP ID:10795



## Laboratory Report

Lab Log No: 9509250

Client: LAIDLAW ENVIRONMENTAL SERVICES N.E.  
4545 MORGAN PLACE  
LIVERPOOL NY 13090-

Report Date: 09/25/95  
Sampling Date: 09/21/95  
Sampled By: R.S. AIELLO  
Date Received: 09/22/95  
Analyzed By: EAC  
Analyzed: 09/24/95

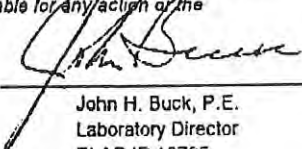
Site: MARTIN MARIETTA - FARRELL RD.

Sample ID:	TANKER #1 (SILVER)	VOLATILES BY EPA 624			
ANALYTE	CAS #	UNITS	DL	RESULTS	
Benzene	71-43-2	ug/L	5	ND	
Bromodichloromethane	75-27-4	ug/L	5	ND	
Bromoform	75-25-2	ug/L	5	ND	
Bromomethane	74-83-9	ug/L	10	ND	
Carbontetrachloride	56-23-5	ug/L	5	ND	
Chlorobenzene	108-90-7	ug/L	5	ND	
Chloroethane	75-00-3	ug/L	10	ND	
2-Chloroethylvinyl ether	110-75-8	ug/L	10	ND	
Chloroform	67-65-3	ug/L	5	ND	
Chloromethane	74-87-3	ug/L	10	ND	
Dibromochloromethane	124-48-1	ug/L	5	ND	
1,2-Dichlorobenzene	95-50-1	ug/L	5	ND	
1,3-Dichlorobenzene	541-73-1	ug/L	5	ND	
1,4-Dichlorobenzene	106-46-7	ug/L	5	ND	
Dichlorodifluoromethane	75-71-8	ug/L	5	ND	
1,1-Dichloroethane	75-34-3	ug/L	5	7.7	
1,2-Dichloroethane	107-06-2	ug/L	5	ND	
1,1-Dichloroethene	75-35-4	ug/L	5	ND	
cis-1,2-Dichloroethene	156-60-5	ug/L	5	ND	
trans-1,2-Dichloroethene	156-60-5	ug/L	5	ND	
1,2-Dichloropropane	78-87-5	ug/L	5	ND	
cis-1,3-Dichloropropene	10061-01-5	ug/L	5	ND	
trans-1,3-Dichloropropene	10061-02-6	ug/L	5	ND	
Ethylbenzene	100-41-1	ug/L	5	ND	
Methylene Chloride	75-09-2	ug/L	5	ND	
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	ND	
Tetrachloroethene	127-18-4	ug/L	5	ND	
Toluene	108-88-3	ug/L	5	ND	
1,1,1-Trichloroethane	71-55-6	ug/L	5	79.5	
1,1,2-Trichloroethane	79-00-5	ug/L	5	ND	
Trichloroethene	79-01-6	ug/L	5	ND	
Trichlorofluoromethane	75-69-4	ug/L	5	ND	
Vinyl chloride	75-01-4	ug/L	10	ND	
xylene(m,o,p)	1330-20-7	ug/L	5	ND	

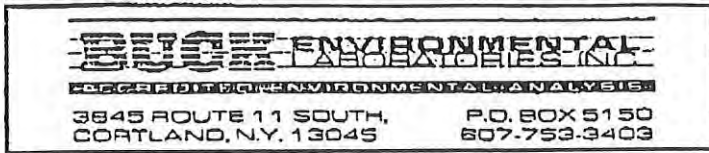
*This laboratory analysis has been performed in accordance with generally accepted laboratory practices and requirements of the New York State Department of Health ELAP Program. Buck Environmental Laboratories, Inc. makes no recommendations, representations or warranties other than as specifically set forth in this report and shall not be responsible or liable for any action or the consequences of any action taken in connection with this report.*

(ND => not detected above DL indicated)  
(NEG => not detected)

RECFORM FAX

  
John H. Buck, P.E.  
Laboratory Director  
ELAP ID:10795





Laboratory Report  
Lab Log No: 9509250

Client: LAIDLAW ENVIRONMENTAL SERVICES N.E.  
4545 MORGAN PLACE  
LIVERPOOL NY 13090-

Report Date: 09/25/95  
Sampling Date: 09/21/95  
Sampled By: R.S. AIELLO  
Date Received: 09/22/95

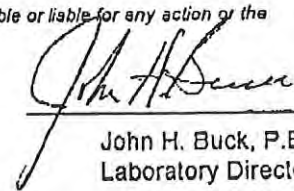
Site: MARTIN MARIETTA - FARRELL RD.

Sample ID: TANKER #2 (WHITE)

ANALYTE	METHOD	ANALYZED	BY	UNITS	DL	RESULTS
Arsenic, total	200.7/6010	09/25/95	SRG	mg/L	0.005	ND
Barium, total	200.7/6010	09/25/95	SRG	mg/L	0.05	0.06
Cadmium, total	200.7/6010	09/25/95	SRG	mg/L	0.001	ND
Chromium, total	200.7/6010	09/25/95	SRG	mg/L	0.003	ND
Copper, total	200.7/6010	09/25/95	SRG	mg/L	0.005	0.055
Digest, liquids	3005	09/22/95	SAG	date	0	complete
pH	150.1/9040	09/22/95	JEC	units	0.1	7.07
Lead, total	200.7/6010	09/25/95	SRG	mg/L	0.003	0.009
Mercury, total	245.1/7470	09/25/95	SRG	mg/L	0.0004	ND
Nickel, total	200.7/6010	09/25/95	SRG	mg/L	0.02	ND
Oil & Grease	413.1/9070	09/22/95	SAG	mg/L	0.5	3
Selenium, total	200.7/6010	09/25/95	SRG	mg/L	0.005	ND
Silver, total	200.7/6010	09/25/95	SRG	mg/L	0.005	0.02
Thallium, total	200.7/6010	09/25/95	SRG	mg/L	0.008	ND
Zinc, total	200.7/6010	09/25/95	SRG	mg/L	0.02	0.333

*This laboratory analysis has been performed in accordance with generally accepted laboratory practices and requirements of the New York State Department of Health ELAP Program. Buck Environmental Laboratories, Inc. makes no recommendations, representations or warranties other than as specifically set forth in this report and shall not be responsible or liable for any action or the consequences of any action taken in connection with this report.*

(ND => not detected above DL indicated)  
(DL => detection limit)  
(mg/L => ppm in water)  
(ug/g => ppm in solid)

  
John H. Buck, P.E.  
Laboratory Director  
ELAP ID:10795



Client: LAIDLAW ENVIRONMENTAL SERVICES N.E.  
4545 MORGAN PLACE  
LIVERPOOL NY 13090-

Site: MARTIN MARIETTA - FARRELL RD.

Report Date: 09/25/95  
Sampling Date: 09/21/95  
Sampled By: R.S. AIELLO  
Date Received: 09/22/95  
Analyzed By: RG  
Analyzed: 09/23/95

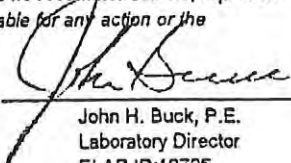
Sample ID: TANKER #2 (WHITE) PESTICIDES/PCB'S BY EPA 608

ANALYTE	CAS #	UNITS	DL	RESULTS
Aldrin	309-00-2	ug/L	0.004	ND
Alpha-BHC	319-84-6	ug/L	0.003	ND
Beta-BHC	319-85-7	ug/L	0.006	ND
Chlordane	57-74-9	ug/L	0.014	ND
4,4'-DDD	72-54-8	ug/L	0.011	ND
4,4'-DDE	72-55-9	ug/L	0.004	ND
4,4'-DDT	50-29-3	ug/L	0.012	ND
Delta-BHC	319-85-8	ug/L	0.009	ND
Dieldrin	60-57-1	ug/L	0.002	ND
Endosulfan I	959-98-8	ug/L	0.014	ND
Endosulfan II	33213-65-9	ug/L	0.004	ND
Endosulfan Sulphate	1031-07-8	ug/L	0.066	ND
Endrin	72-20-8	ug/L	0.006	ND
Endrin Aldehyde	53494-70-5	ug/L	0.023	ND
Gamma-BHC (Lindane)	58-89-9	ug/L	0.004	ND
Heptachlor	76-44-8	ug/L	0.003	ND
Heptachlor Epoxida	1024-57-3	ug/L	0.083	ND
PCB 1016	12674-11-2	ug/L	0.065	ND
PCB 1221	11104-28-2	ug/L	0.15	ND
PCB 1232	11141-16-5	ug/L	0.065	ND
PCB 1242	53469-21-9	ug/L	0.065	ND
PCB 1248	12672-29-6	ug/L	0.065	ND
PCB 1254	11097-69-1	ug/L	0.065	ND
PCB 1260	11096-82-5	ug/L	0.065	ND
Toxaphene	8001-35-2	ug/L	0.24	ND

This laboratory analysis has been performed in accordance with generally accepted laboratory practices and requirements of the New York State Department of Health ELAP Program. Buck Environmental Laboratories, Inc. makes no recommendations, representations or warranties other than as specifically set forth in this report and shall not be responsible or liable for any action or the consequences of any action taken in connection with this report.

(ND => not detected above DL indicated)  
(NEG => not detected)

800FORM.FRX

  
John H. Buck, P.E.  
Laboratory Director  
ELAP ID:10795

**BUCK ENVIRONMENTAL LABORATORIES INC.**

**ENVIRONMENTAL ANALYSIS**

3845 ROUTE 11 SOUTH,  
CORTLAND, N.Y. 13045

P.O. BOX 5150  
607-753-3403

**Laboratory Report**

Lab Log No: 9509250

Client: LAIDLAW ENVIRONMENTAL SERVICES N.E.  
4545 MORGAN PLACE  
LIVERPOOL NY 13090

Report Date: 09/25/95  
Sampling Date: 09/21/95  
Sampled By: R.S. AIELLO  
Date Received: 09/22/95  
Analyzed By: EAC  
Analyzed: 09/24/95

Site: MARTIN MARIETTA - FARRELL RD.

Sample ID: TANKER #2 (WHITE)

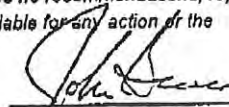
VOLATILES BY EPA 624

ANALYTE	CAS #	UNITS	DL	RESULTS
Benzene	71-43-2	ug/L	5	ND
Bromodichloromethane	75-27-4	ug/L	5	ND
Bromoform	75-25-2	ug/L	5	ND
Bromomethane	74-83-9	ug/L	10	ND
Carbontetrachloride	56-23-5	ug/L	5	ND
Chlorobenzene	106-90-7	ug/L	5	ND
Chloroethane	75-00-3	ug/L	10	ND
2-Chloroethylvinyl ether	110-75-8	ug/L	10	ND
Chloroform	67-66-3	ug/L	5	ND
Chloromethane	74-87-3	ug/L	10	ND
Dibromochloromethane	124-48-1	ug/L	5	ND
1,2-Dichlorobenzene	95-50-1	ug/L	5	ND
1,3-Dichlorobenzene	541-73-1	ug/L	5	ND
1,4-Dichlorobenzene	106-46-7	ug/L	5	ND
Dichlorodifluoromethane	75-71-8	ug/L	5	ND
1,1-Dichloroethane	75-34-3	ug/L	5	ND
1,2-Dichloroethane	107-06-2	ug/L	5	ND
1,1-Dichloroethene	75-35-4	ug/L	5	ND
cis-1,2-Dichloroethene	156-60-5	ug/L	5	ND
trans-1,2-Dichloroethene	156-60-5	ug/L	5	ND
1,2-Dichloropropane	78-87-5	ug/L	5	ND
cis-1,3-Dichloropropene	10061-01-5	ug/L	5	ND
trans-1,3-Dichloropropene	10061-02-6	ug/L	5	ND
Ethylbenzene	100-41-1	ug/L	5	ND
Methylene Chloride	75-09-2	ug/L	5	ND
1,1,2,2-Tetrachloroethane	79-34-5	ug/L	5	ND
Tetrachloroethene	127-18-4	ug/L	5	ND
Toluene	108-88-3	ug/L	5	ND
1,1,1-Trichloroethane	71-55-8	ug/L	5	ND
1,1,2-Trichloroethane	79-00-5	ug/L	5	ND
Trichloroethene	79-01-6	ug/L	5	ND
Trichlorofluoromethane	75-69-4	ug/L	5	ND
Vinyl chloride	75-01-4	ug/L	10	ND
xylene(m,o,&p)	1330-20-7	ug/L	5	ND

*This laboratory analysis has been performed in accordance with generally accepted laboratory practices and requirements of the New York State Department of Health ELAP Program. Buck Environmental Laboratories, Inc. makes no recommendations, representations or warranties other than as specifically set forth in this report and shall not be responsible or liable for any action or the consequences of any action taken in connection with this report.*

(ND => not detected above DL indicated)  
(NEG => not detected)

REGFORML4KX

  
John H. Buck, P.E.  
Laboratory Director  
ELAP ID:10795

E19

**BUCK ENVIRONMENTAL  
LABORATORIES INC.**

ACCREDITED ENVIRONMENTAL ANALYSIS

3845 ROUTE 11 SOUTH,  
CORTLAND, N.Y. 13045

P.O. BOX 5150  
607-753-3403

Report Date: 10/17/95

Lab Log Number: 9510038

**LABORATORY REPORT**

---

Client: LAIDLAW ENVIRONMENTAL SERVICES (NE), INC.

Project: Lockheed Martin - Farrell Road

Sample: Farrell - CB Sludge

Date of Sample: 10/02/95 by D. Stowell

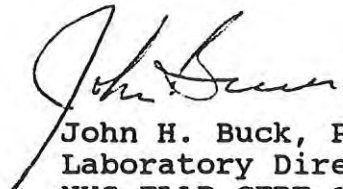
---

**PCB (by EPA 3540 and 8080)  
RESULTS**

CB Sludge                      620 ug/kg as Aroclor 1260

---

These analyses are certified as conforming to generally accepted laboratory practices and requirements of the New York State Health Department ELAP program.

  
John H. Buck, P.E.  
Laboratory Director  
NYS ELAP CERT 10795



# BUCK ENVIRONMENTAL LABORATORIES INC.

ACCREDITED ENVIRONMENTAL ANALYSIS

3845 ROUTE 11 SOUTH,  
CORTLAND, N.Y. 13045

P.O. BOX 5150  
607-753-3403

## HAZARDOUS WASTE VOLATILE HYDROCARBON GC/MS SCAN

Client: Laidlaw Environmental Services, Inc.

Site: Lockheed Martin - Farrell Road

PO #: 77045

Sample: Farrell - CB Sludge

Lab Log No. 9510038

Report Date: 10/17/95

Date Received: 10/02/95

Date of Analysis: 10/13/95

Sampled By: D. Stowell

Method: Instrument tuning and column criteria conform with EPA 8240.

Calibration of Priority Pollutant compounds by EPA 8240. Other compounds identified by comparison of spectra with NBS Library, quantities estimated by peak comparison.

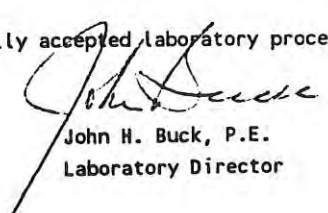
COMPOUND	DL	Result
Acetone 3,6	100	727
Benzene 4,5	5	ND
Bromodichloromethane 4	5	ND
Bromoform 4	5	ND
2-butanone (MEK) 4,6	100	ND
n-Butyl alcohol 3	100	ND
Carbon disulfide 4,6	100	ND
Carbon tetrachloride 1,4	5	ND
Chlorobenzene 2,4	5	ND
Chloroethane 4	10	ND
2-Chloroethylvinylether 4	10	ND
Chloroform 4	5	ND
Cyclohexanone 3	100	ND
Dibromochloromethane 4	5	ND
1,2-Dichlorobenzene 4	5	ND
1,3-Dichlorobenzene 4	5	ND
1,4-Dichlorobenzene 4	5	ND
1,1-Dichloroethane 4	5	294
1,2-Dichloroethane 4	5	ND
1,1-Dichloroethene 4	5	ND
trans-1,2-Dichloroethene 4	5	ND
1,2-Dichloropropane 4	5	ND
cis-1,3-Dichloropropene 4	5	ND
trans-1,3-Dichloropropene 4	5	ND
Ethyl acetate 3	100	ND
Ethyl benzene 3,4	5	ND
Ethyl ether 3	100	ND

COMPOUND	DL	Result
2-hexanone 6	50	ND
Methylene chloride 1,2,4	5	ND
4-Methyl-2-pentanone (MIBK) 3,6	50	ND
2-nitropropane 5	100	ND
Ortho-dichlorobenzene 2	5	ND
Pyridine 5	100	ND
Styrene 6	5	ND
1,1,2,2-Tetrachloroethane 4	5	ND
Tetrachloroethene 1,2,4	5	ND
Toluene 4,5	5	7.48
1,1,1-Trichloroethane 1,2,4	5	340
1,1,2-Trichloroethane 2,4	5	ND
Trichloroethene 1,2,4	5	ND
Trichlorofluoromethane 2,4	5	ND
1,1,2-trichloro-1,2,2-trifluoroethane 2	100	ND
Vinyl acetate 6	50	ND
o-Xylene 3,6	5	ND
m-Xylene 3,6	5	ND
p-Xylene (coelutes with "m") 3,6	5	ND
OTHER COMPOUNDS		
cis-1,2-dichloroethene	5	ND
Nitrobenzene	100	ND

ND indicates that no amount greater than detection limit noted. All concentration reported are ug/kg.  
Numerals indicate compound class as follows: 1 = F001, 2 = F002, 3 = F003, 4 = Priority Pollutant List, 5 = F005  
6 = Hazardous Substance List

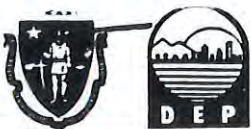
I certify that the method used in this testing complies with generally accepted laboratory procedures.

NYSDOH  
ELAP NO. 10795

  
John H. Buck, P.E.  
Laboratory Director

***Attachment 6***  
***Hazardous Waste Manifests***





DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF HAZARDOUS MATERIALS  
One Winter Street Boston, Massachusetts 02108

44339  
MAH754868

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

In case of emergency or spill, immediately call National Response Center (800) 424-8802

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NYD002247377		Manifest Document No. 54868		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.		
3. Generator's Name and Mailing Address MARTIN MARIETTA P O BOX 4840, EP5-H6 ATTN: JOE HEMINGWAY, SYRACUSE, NY 13221						A. State Manifest Document Number MA H 754868				
4. Generator's Phone (315) 456-2459						B. State Gen. ID PARRELL ROAD PLANT SYRACUSE, NY				
5. Transporter 1 Company Name S J TRANSPORTATION CO.			6. US EPA ID Number VTD071619974			C. State Trans. ID NJTAG: TV 850U NYJA-044 MA-189				
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone (509) 769-2741				
9. Designated Facility Name and Site Address LAIDLAW ENVIRONMENTAL SERVICES (NORTH EAST), INC 300 CANAL STREET LAWRENCE, MA 01840						10. US EPA ID Number MAD000694447				
E. State Trans. ID						F. Transporter's Phone				
G. State Facility's ID NOT REQUIRED						H. Facility's Phone (508) 683-1002				
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)					12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	15. WASTE NO.
a. HAZARDOUS WASTE, LIQUID, N.O.S., (1,1,1-TRICHLOROETHANE), 9, NA3032, III					01 TT		5,000		G	E001
b.										
c.										
d.										
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code.) 24170-U18 a. WATER W/1,1,1-TRICHLOROETHANE NY=B						K. Handling Codes for Wastes Listed Above a. S 0 1 c.				
b.						d.				
15. Special Handling Instructions and Additional Information a) NY = T ERG 31										
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. Emergency Situation Contact: Laidlaw (NorthEast) (508) 683-1002										
Printed/Typed Name Joseph C Hemingway						Signature Joseph C Hemingway		Date 1/4/95		
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature Bruce Nichols		Date 1/10/95		
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature		Date		
19. Discrepancy Indication Space										
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19						Signature J. Powers		Date 1/10/95		

MA H 754868 COPY > 3: FACILITY MAILED TO GENERATOR





DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF HAZARDOUS MATERIALS  
One Winter Street Boston, Massachusetts 02108

43998  
MAH754867

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

In case of emergency or spill, immediately call the National Response Center (800) 424-8802

GENERATOR

TRANSPORTER

FACILITY

MAH 754867 COPY > 3: FACILITY MAILS TO GENERATOR

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. NY0002247377		Manifest Document No. <b>43998</b>		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.					
3. Generator's Name and Mailing Address <b>MARTIN MARIETTA P O BOX 4840, EP5-H6 ATTN: JOE HEMINGWAY, SYRACUSE, NY 13221</b>						A. State Manifest Document Number <b>MA H 754867</b>							
4. Generator's Phone (315) 456-2459						B. State Geog. ID <b>FARRELL ROAD PLANT SYRACUSE, NY</b>							
5. Transporter 1 Company Name <b>S J TRANSPORTATION CO.</b>			6. US EPA ID Number <b>NJD071629976</b>			C. State Trans. ID <b>T988-LP NJ</b>							
7. Transporter 2 Company Name			8. US EPA ID Number			D. Transporter's Phone (609) 769-2741							
9. Designated Facility Name and Site Address <b>LADLAW ENVIRONMENTAL SERVICES (NORTH EAST), INC 300 CANAL STREET LAWRENCE, MA 01840</b>						10. US EPA ID Number <b>MA0000604447</b>							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. WASTE NO.	
a. <b>NON-REGULATED MATERIAL, NONE</b>						<b>01 TT</b>		<b>2,150 G</b>				<b>MA 99 N 8 9 9</b>	
b.													
c.													
d.													
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code.) <b>24170-D20 a. FRP-ELEC NH GROUNDWATER NY-T</b>						K. Handling Codes for Wastes Listed Above <b>a. S 0 1 c.</b>							
b.						d.							
15. Special Handling Instructions and Additional Information <b>a) NY = T Trans # MA.-189 NY.-JA-044</b>													
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. <b>Emergency Situation Contact: Laidlaw (NorthEast) (508)683-1002</b>													
Printed/Typed Name <b>Joseph C Hemingway</b>						Signature <i>Joseph C Hemingway</i>				Date <b>10/29/95</b>			
17. Transporter 1 Acknowledgement of Receipt of Materials						Signature <i>Walter D Loveland JR</i>				Date <b>10/29/95</b>			
Printed/Typed Name <b>Walter D Loveland JR</b>						Signature <i>Walter D Loveland JR</i>				Date			
18. Transporter 2 Acknowledgement of Receipt of Materials						Signature				Date			
Printed/Typed Name						Signature				Date			
19. Discrepancy Indication Space													
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19													
Printed/Typed Name <b>Peter Bobala</b>						Signature <i>P. Bobala</i>				Date <b>10/29/95</b>			

Form Approved OMB No. 2050-0039. Expires 9-30-94  
EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.





COMMONWEALTH OF MASSACHUSETTS  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF HAZARDOUS MATERIALS  
One Winter Street Boston, Massachusetts 02108

44418  
MAH754935

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

In case of emergency or spill, immediately call the National Response Center (800) 424-8802

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. NYD002247377		Manifest Document No. <b>54935</b>		2. Page 1 of 1 Information in the shaded areas is not required by Federal law.	
3. Generator's Name and Mailing Address <b>MARTIN MARIETTA P O BOX 4840, EP5-H6 ATTN: JOE HEMINGWAY, SYRACUSE, NY 13221</b>				A. State Manifest Document Number <b>MA H 754935</b>			
4. Generator's Phone (315) 456-2459				B. State Gen. ID <b>FARRELL ROAD PLANT SYRACUSE, NY</b>			
5. Transporter 1 Company Name <b>LIDLAW ENVIRONMENTAL SERVICES (NORTH EAST), INC</b>		6. US EPA ID Number <b>MA000604447</b>		C. State Trans. ID <b>MA 5524</b>			
7. Transporter 2 Company Name		8. US EPA ID Number		D. Transporter's Phone (508) 683-1002			
9. Designated Facility Name and Site Address <b>LIDLAW ENVIRONMENTAL SERVICES (NORTH EAST), INC 300 CANAL STREET LAWRENCE, MA 01840</b>				10. US EPA ID Number <b>MA000604447</b>			
E. State Trans. ID				F. Transporter's Phone			
G. State Facility's ID				NOT REQUIRED			
H. Facility's Phone (508) 683-1002							
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	WASTE NO.	
a. HAZARDOUS WASTE, LIQUID, N.O.S., <sup>2HA</sup> (TRICHLOROETHYLENE, 1,1,1- <del>TRICHLOROETHENE</del> , 9, NA3082, III <del>DICHLOROETHANE</del> )		08	DM	4,800	P	2002	
b. NON-REGULATED MATERIAL, NONE		02	DM	500	P	MA 99 N 899	
c. STATE REGULATED OIL WASTE, NONE		03	CF	360	P	MA 01 N 011	
d. NON-REGULATED MATERIAL, NONE		06	DM	3,600	P	MA 99 N 253	
J. Additional Descriptions for Materials Listed Above (include physical state and hazard code.)				K. Handling Codes for Wastes Listed Above			
24170-R19 a. FARRELL ROAD CATCH BASIN SLUDGE		24170-E1 c. OILY DEBRIS/NY CODE-L		a. S   0   1		c. S   0   1	
24170-N12 b. PPE/DIRT CONTAMINATED DEBRIS NY=L		24170-C6 d. SOIL DRILL CUTTINGS NY=L		b. S   0   1		d. S   0   1	
15. Special Handling Instructions and Additional Information 11a) NY = T      11b) NY = L      11c) NY = L      11d) NY = L							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me, and that I can afford. Emergency Situation Contact: Laidlaw (NorthEast) (508) 683-1002							
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature <i>Joseph C. Hemingway</i>		Date Month Day Year 11/02/95	
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature <i>Mark E. Lahr</i>		Date Month Day Year 11/02/95	
19. Discrepancy Indication Space							
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19							
Printed/Typed Name				Signature		Date Month Day Year	

MA H 754935 COPY > 6: GENERATOR MAILS TO DESTINATION STATE