

**CERTIFICATION OF SITE CLOSURE
AEROFLEX/MICROMETRICS
12 INDUSTRIAL PARK ROAD
ROCKPORT, MAINE**

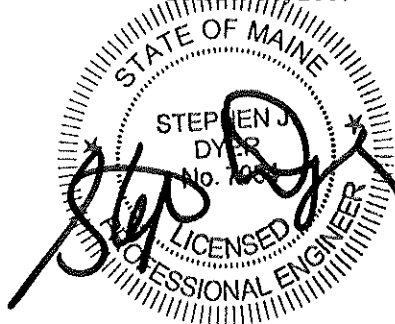
Prepared for:

Mr. Tim Filteau
Aeroflex/MicroMetrics
54 Grenier Field Road
Londonderry, New Hampshire

Prepared by:

Ransom Environmental Consultants, Inc.
400 Commercial Street, Suite 404
Portland, Maine 04101
(207) 772-2891

Project 076055
October 31, 2007



RECEIVED

2007 NOV -1 A 10: 04

MAINE D.E.P.

GENERATOR CLOSURE CERTIFICATION

Company: Aeroflex/MicroMetrics

Location of Facility: 12 Industrial Park Road
Rockport, Maine

Facility EPA ID#: ME D071730220

Waste Code(s) for Waste(s) Previously Generated: D001, D002, D003, D004, D007, D009,
D011, U219

Reason(s) Waste(s) are no Longer Generated: Facility operations were relocated to
Londonderry, New Hampshire plant

Date Generation Ceased: July 31, 2007

Date of Final Shipment: October 4, 2007

Description of steps to dispose of or decontaminate containers, tanks, liners, bases, materials, equipment,
structure, and soils containing or contaminated with hazardous waste or hazardous waste residues:

See Attached Report

By signing, signer certifies that closure was completed in general accordance with Chapter 851, Section 11 of
Maine's Hazardous Waste Management Rules and that to the best of our knowledge, no hazardous waste or
hazardous waste residues appear to remain on-site from the former Aeroflex/MicroMetrics operations, which
ceased on July 31, 2007.

Applicant: Aeroflex/MicroMetrics

Attested:

Aeroflex/MicroMetrics

By:

Title:

Date:

Tim Filteau

Stephen J. Dyer, P.E.

Title:

Date:

Consultant:

Ransom Environmental Consultants, Inc.

By:

Title:

Date:

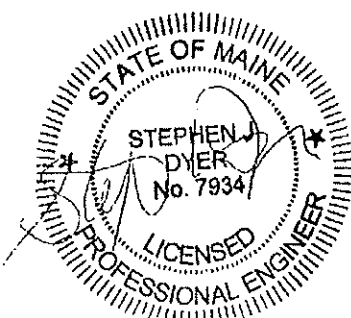


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1.0 PURPOSE AND SCOPE

MicroMetrics, Inc. is designated by the Maine Department of Environmental Protection (MDEP) as an Environmental Protection Agency (EPA) Resource Conservation and Recovery Act (RCRA) Large Quantity Generator (LQG). An LQG, as defined by the MDEP, generates more than 100 kilograms of hazardous waste per month or more than 600 kilograms of hazardous waste at any one time during a calendar year. An LQG is required to complete a facility closure upon cessation of the generation of hazardous waste.

The State of Maine Hazardous Waste Management Rules, Chapter 851, establishes standards and requirements for generators of hazardous waste. Section 11 of these rules outlines the closure procedures that should be followed by hazardous waste generators that no longer generate waste at a site. In general, those procedures were followed for the facility and involved the following:

- Verification that all hazardous waste and potential hazardous waste residues from former Aeroflex/MicroMetrics operations were removed from the property.
- Decontamination of remaining containers, tanks, liners, bases, materials, equipment and structures containing or contaminated with hazardous waste or hazardous waste residues and disposal of these materials at an appropriate licensed facility.
- Preparation of a Certification of Closure by the generator and by an independent State of Maine registered professional engineer that the facility has been closed in accordance with Chapter 851, Section 11 of the Maine DEP regulations.

Mr. Tim Filteau of Aeroflex/MicroMetrics contracted Ransom to inspect and verify that all wastes associated with Aeroflex/MicroMetrics operations had been removed from the property, and to prepare the Certification of Site Closure letter for the facility. Specifically, the scope of services performed by Ransom includes:

- Reviewing available historical documentation and facility operating procedures including the generation of hazardous wastes;
- Reviewing previous environmental reports prepared for the Aeroflex/MicroMetrics facility including environmental site assessment reports, underground storage tank (UST) closure reports, hazardous waste manifest forms, hazardous waste generator reports, etc.;
- Certifying to the best of our knowledge, that hazardous materials, wastes, and waste residues associated with Aeroflex/MicroMetrics appear to have been removed from the facility;
- Completing a site inspection; and
- Preparing this summary closure report.

This document briefly presents Aeroflex/MicroMetrics operations at the property, materials used and wastes generated in the process, and disposal practices as obtained from environmental reports, site observations, and information from the Director of Operations, Tim Filteau. Additionally, this document describes the closure procedures implemented at the facility and certifies that the closure has been performed in accordance with Maine DEP regulations.

2.0 BACKGROUND

The following site history is based on information obtained from site observations, a review of previous investigations conducted for the Aeroflex/MicroMetrics site, and information supplied by Aeroflex/MicroMetrics.

2.1 Site Description

The Aeroflex/MicroMetrics site is located at 12 Industrial Park Road in Rockport, Maine as shown on the Site Location figure (Figure 1 attached) and encompasses 0.67 acres. According to the Town of Rockport Assessor's office, this parcel is defined as Map 106, Lot 31-125. The site is comprised of one structure, a paved parking area, and lawn areas. The original building was constructed in 1975, and several additions were constructed from 1975 through 1983. The building burned to the ground in 1985, and a new building was constructed on the original footprint. The current building has a concrete slab-on-grade foundation, corrugated steel exterior, and dry wall interior. The property is serviced by municipal water and wastewater systems, and is heated by a forced hot air system connected to a 1,000-gallon propane AST located on the eastern property border.

Knox Semiconductor, a semiconductor manufacturer, occupied the property from 1975 to 2005, at which time MicroMetrics purchased the property and business. Aeroflex recently purchased MicroMetrics, and the operations conducted at the site were relocated to an Aeroflex facility in Londonderry, New Hampshire. Select manufacturing equipment currently remains in the building, but is planned to be sold or remain with the building for the future occupant. Otherwise, the building is currently vacant.

2.2 Previous Environmental Reports

GeoInsight, Inc. (GeoInsight) completed a Phase I Environmental Site Assessment (ESA) for the MicroMetrics site on March 15, 2007. The Phase I ESA stated the property is listed as a RCRA large quantity generator of hazardous waste, and three satellite hazardous waste accumulation areas were identified within the building. These areas were located in the Paint/Brand Room, Finish Room, and Etch Room. No evidence of spills, leaks, or significant staining were observed by GeoInsight at the time the ESA was completed. GeoInsight also stated floor drain lines were interconnected and discharged to the municipal sewer. It should be noted that no floor drains were observed by Ransom during the site closure inspection. GeoInsight also identified the acid neutralization tank was used in the Chemical Storage Room to neutralize wastewater from the Etch Room prior to being discharged to the sewer.

The GeoInsight Phase I ESA refers to a previous environmental report completed for the site. GeoInsight completed a Phase I Environmental Site Assessment and Subsurface Investigation Report in May 2005. Five soil borings were advanced on the property, and the subsurface soils were characterized as generally brown, fine to coarse sand overlying mixtures of silt, gravel, and clay. Bedrock was encountered 4–6 ft. below ground surface (bgs). Field screening and laboratory analyses of soil samples collected from the borings did not identify volatile organic compounds above background levels (one part per million) or laboratory quantitation limits.

3.0 OPERATIONS

Former operations conducted at the site involved the processing of silicon wafers and the production of various integrated circuit chips used in electronic devices. Wafers are a single silicon crystal, sliced into thin circular pieces approximately three to four inches in diameter. The wafers were processed at the site using two different procedures. The first procedure entailed cutting the wafers into small squares (die form), transferring the wafers to the assembly area, testing to confirm the components functioned properly, and packing and shipping without the wafers undergoing any chemical processing at the site. With the second procedure, the silicon wafers were processed in a series of chemical and physical operations, which subsequently generated chemical wastes along with the final semiconductor product.

Wafer chemical processing operations included metallization, photo masking, and etch and finishing processes. In the metallization step, wafers were placed in a crucible, and metals were evaporated at extremely high temperatures and deposited onto the wafer substrate. The wafers were then transferred to the Dark Room where the photo masking process was conducted. The masking process marked an image on the wafer surface through exposing select areas of the wafer surface to light. That image was to be protected during subsequent processing. The protected areas on the wafer surface would be present on each of the final sliced die components.

The areas on the wafer surface that were not protected by the photo mask were etched away in the next chemical process in the Finish Room. In the Finish Room, the wafers were submerged in arsenic cyanide or gold cyanide within three different sinks. The cyanide dissolved the metallization layer located in unprotected areas on the wafer. Waste cyanide was drained from the sinks, and collected in drums in the Finish Room at one of the facility's satellite hazardous waste accumulation areas. The wafers were then moved to the Etch Room and placed into sinks where acids removed the protective photo mask layer on the wafer surface, but the photo pattern remained in the layer deposited during the metallization step on the wafer surface. This spent photo resistor remover and waste acids were stored in another satellite hazardous waste accumulation area located in the Etch Room.

Waste acids were sent to a neutralization tank in the Chemical Storage Room where they were neutralized with sodium hydroxide prior to being discharged to the municipal sewer. A drum of sodium hydroxide and drums temporarily storing the waste acids were located on pallets adjacent to the neutralization tank in the Chemical Storage Room.

One other satellite hazardous waste accumulation area was formerly maintained within the facility. This area was located in the Paint/Brand Room, and was comprised of containers storing primarily waste alcohols and solvents.

The finishing process was the final step in the semiconductor manufacturing operations at the site. Finishing involved grinding the wafers from approximately 0.025 inches thick to a thickness in the range of 0.006 to 0.007 inches. The wafers were then sliced into squares with a fine saw, inspected, tested, and then packaged and shipped.

The virgin chemicals used in the various processes were primarily stored in the Chemical Storage Room. The neutralization tank was also located in the Chemical Storage Room. A list of chemicals formerly used at the facility and hazardous wastes generated is included in Table 1 below. This list is based on observations made by Ransom during an initial site inspection on July 31, 2007 as well as GeoInsight's Phase I ESA completed in March 2007.

TABLE 1: SUMMARY OF CHEMICALS & HAZARDOUS WASTES

LOCATION	STORED/USED CHEMICALS	HAZARDOUS WASTES
Etch Room	xylene	spent 922 Resistor Remover
	isopropyl alcohol	
	sulfuric hydroperoxide	spent acids
	phosphoric acid	
	acetic acid	
	nitric acid	
	hydrofluoric acid	
Chemical Storage Room	ammonium fluoride	
	sodium hydroxide	
	sulfuric acid	spent acids
	isopropyl alcohol	
	latex & oil paints	
	compressor oil	
	hydroperoxide	
	acetone	
	nitric acid	
Dark Room	1-methoxy-2-propanol	
	2-aminoethanol	
	OCG Rinse	
	WNRD Negative Resist	
	isopropyl alcohol	
	SC 100 Resist	
	Microdeposit S1813	
	Photo Resist	
	IC Resist 13	
	2-propanol	
Finish Room	hexamethyldisilicane	
	nickelous sulfate	spent cyanide plating solution
	nickelous chloride	spent gold plating solution
	potassium carbonate	
	boric acid	
	sodium hypophosphate	
	sodium acetate	
	sodium citrate	
	ammonium chloride	
	ammonium citrate	

LOCATION	STORED/USED CHEMICALS	HAZARDOUS WASTES
Finish Room cont.	ferric chloride silver chloride boron cleaner gold etch xylenes acetone cyanide	
Paint/Brand Room	145 Rosin Soldering Flux Type R RA Rosin Flux perfluoropolyether water-based fluorescent penetrant acetone 2-propanol	<u>Solution A:</u> spent isopropyl alcohol spent 2-propanol spent mineral spirits <u>Solution B:</u> spent Bioact EC-7 <u>Solution C:</u> spent 2-methoxy-1-propanol spent 1-methoxy-2-propanol spent 2-aminoethanol
Furnace Room	1,1,1-trichloroethane phosphorous oxychloride vacuum pump oil	

4.0 SITE CLOSURE PROCEDURES

The following is a chronological listing of the activities that occurred at the facility as part of this hazardous waste site closure:

- Aeroflex/MicroMetrics notified the MDEP that hazardous wastes would no longer be generated at the facility as of July 31, 2007.
- Ransom conducted a site visit on July 31, 2007 to perform an initial visual inspection of the facility for hazardous materials, areas of staining, or other indications of spills or leaks of hazardous waste.
- Aeroflex/MicroMetrics personnel have been transferring select production equipment from the site to another one of their facilities in Londonderry, New Hampshire from July 2007 to the present. Equipment remaining in the facility as of the date of this report is planned to be sold or will remain in the building for the future occupant.
- Hazardous wastes, universal wastes, and remaining chemicals were removed from the site by Clean Harbors on October 4, 2007. Container packing lists, land disposal restriction notification forms, customer job sheets, and hazardous waste manifests are included as Appendix A.
- Clean Harbors determined the residual liquid in the sinks in the Finish Room was non-toxic, and the sinks and associated piping were removed and properly disposed of on October 4, 2007. In addition, a chemical storage cabinet with staining on the shelves was removed and disposed of by Clean Harbors. A plastic layer formerly covered the shelves in the Chemical Storage Room, and this layer was removed and properly disposed of by Clean Harbors on October 4, 2007 as well.
- The sinks in the Etch Room as well as the neutralization tank were neutralized, flushed, and dried by Clean Harbors on October 4, 2007.
- Ransom conducted a final inspection on October 16, 2007.

5.0 SITE INSPECTION

A site inspection was conducted by Ransom on October 16, 2007. The site was inspected for evidence of hazardous wastes or hazardous waste residues that may have been a result of the former use by Aeroflex/MicroMetrics. Tim Filteau accompanied Ransom during the inspection. Mr. Filteau provided information regarding former operations at the facility, discussed recent activities completed as part of the site closure, and answered any questions that came up during the inspection. The attached Figure 2 is a Site Plan for the building. A Photograph Log is included as Appendix B and contains photographs taken during the inspection.

At the time of the site inspection, much of production equipment had been relocated to the Londonderry, New Hampshire facility. However, some process equipment remained in areas of the building. According to Mr. Filteau, this equipment is planned to be auctioned off. The equipment was clean, and there were no remaining process chemicals in or around the manufacturing devices.

During the site inspection, no hazardous wastes were observed in the building or on the property. The hazardous wastes generated at the facility were transported off-site and disposed by Clean Harbors on October 4, 2007. The remaining virgin process chemicals on the property were also removed by Clean Harbors on the same day and properly disposed off-site, with the exception of select chemicals that were planned to be sold with specific process equipment. These remaining chemicals were packaged in the manufacturer's containers, and appeared to be in good condition with no evidence of leaking or spills in the vicinity. Mr. Filteau provided the hazardous waste manifests for the materials removed by Clean Harbors. The manifests are included in Appendix A.

The three former satellite hazardous waste accumulation areas were inspected for evidence of hazardous wastes, staining, spills, or residues. These areas were located in the Finish Room, Etch Room, and Paint/Brand Room. No hazardous wastes, spills, residues, or staining were observed in any of the areas apart from some minor discoloration observed on the floor in the Finish Room. This staining appeared to be from small spills over time.

A chemical storage cabinet was formerly located in the Finish Room. Minor staining was observed on the floor in the location of the cabinet. The cabinet and its contents were removed from the site by Clean Harbors and properly disposed of off-site. Another chemical storage cabinet was observed in the Dark Room during the site inspection. This cabinet had been emptied, and no evidence of staining, leaks, or spills was observed in or around this cabinet.

A plastic layer covering the Chemical Storage Room wooden shelves was removed by Clean Harbors on October 4, 2007. The wooden shelves appeared to be in good condition with minor staining. No hazardous wastes or hazardous waste residues were observed on the shelves or in the Chemical Storage Room. Waste acids were formerly sent to the Chemical Storage Room from the Etch Room and neutralized in the neutralization tank with sodium hydroxide. The waste acids and the sodium hydroxide were stored on containment pallets. Clean Harbors cleaned the containment pallets, emptied and cleaned the neutralization tank, flushed the lines, and dried the tank. The 55-gallon drum that formerly contained the sodium hydroxide was observed to be empty during the site inspection. Mr. Filteau stated the drum, neutralization tank, and associated lines are to remain in the building to be used by the future occupant. Glassware and equipment parts were observed on the Chemical Storage Room shelves.

In addition to cleaning out the neutralization tank in the Chemical Storage Room, three sinks and associated lines in the Finish Room were removed by Clean Harbors on October 4, 2007. Mr. Filteau stated the liquid remaining in the sinks was sampled, tested, and determined to be non-toxic prior to removal and off-site disposal. Slight staining was observed on the floor in the Finish Room in the vicinity of the sinks.

Clean Harbors also tested the pH of the four sinks in the Etch Room, then neutralized the sinks, flushed the lines, and dried the surfaces. The four sinks were observed to be clean with no hazardous wastes or residues at the time of the inspection. According to Mr. Filteau, the sinks are to remain in the building to be used by the future occupant.

No evidence of spills, staining, leaks, hazardous wastes, or hazardous waste residues was observed on the exterior portions of the building. No areas of stressed vegetation were identified. The propane tank on the eastern property border appeared to be in good condition. A 6,000-gallon Nitrogen tank was formerly located on the southwestern exterior wall of the building. Mr. Filteau stated this tank and associated piping were removed on July 9, 2007. The remaining concrete slab in the vicinity of the former tank appeared to be in good condition with no staining observed.

6.0 CONCLUSIONS

No hazardous wastes or hazardous waste residues from the former Aeroflex/MicroMetrics operations were observed by Ransom on the property during the site inspection on October 16, 2007.

Aeroflex/MicroMetrics ceased operations and hazardous waste generation on July 31, 2007. Hazardous wastes and remaining chemicals, with the exception of select chemicals that were planned to be sold, were removed and disposed off-site by Clean Harbors on October 4, 2007. Containers, tanks, sinks, liners, bases, materials, equipment, and structures formerly containing or associated with hazardous wastes generated at the property were decontaminated or removed and disposed of off-site at an appropriate licensed facility by Clean Harbors. The closure was completed in general accordance with Chapter 851, Section 11 of Maine's Hazardous Waste Management Rules.

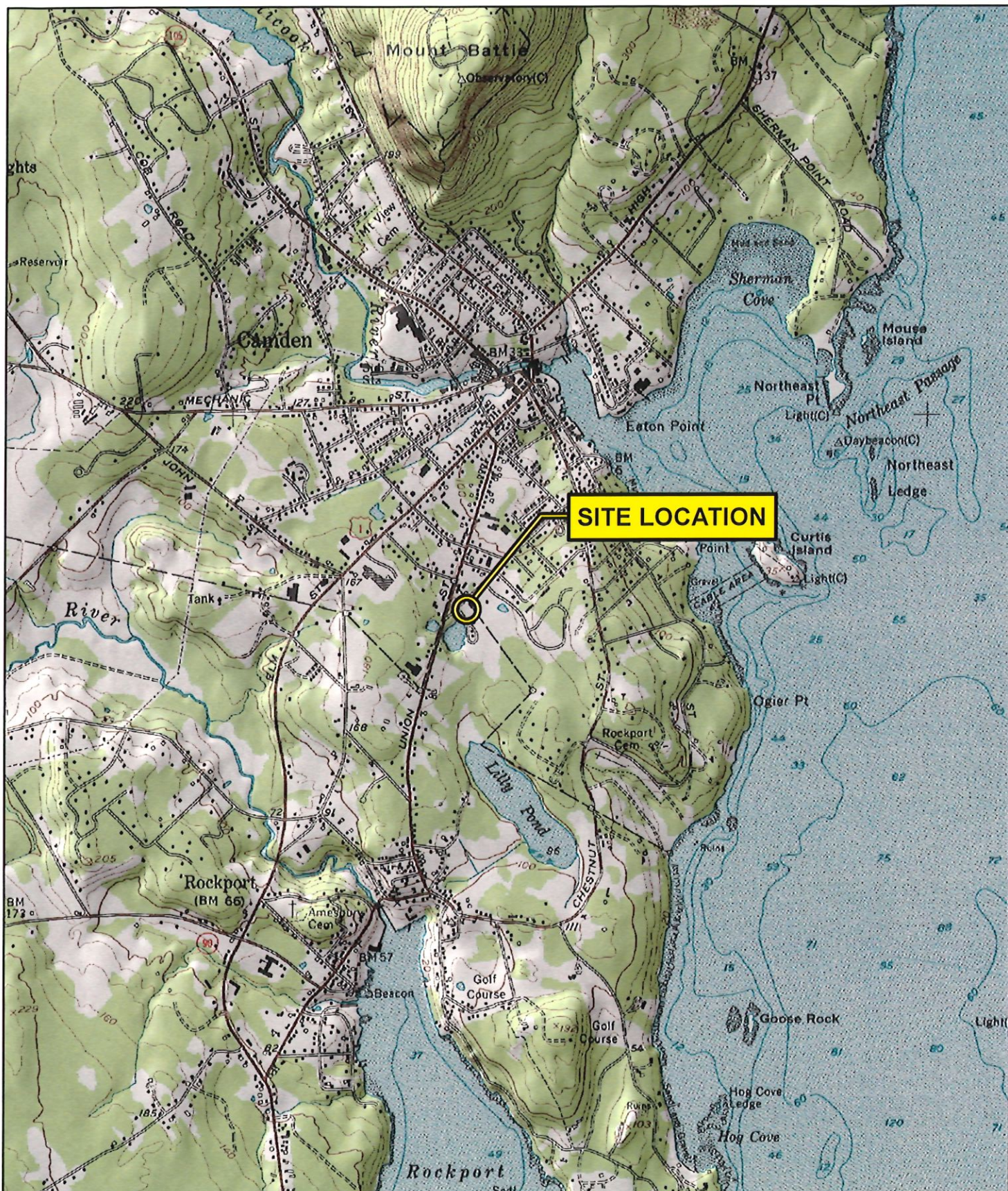
Record of
Sale of
Chemicals
open Containers?
exchange of Letters
Inventory

7.0 LIMITATIONS

This report has been prepared as part of a contract agreement between Ransom Environmental Consultants, Inc. and Aeroflex/MicroMetrics. This agreement was established in order to provide Aeroflex/MicroMetrics with an independent certification that the site closure procedures incorporated at this site were in accordance with the provisions of the MDEP regulations, specifically Section 11 of Chapter 851 of the State of Maine Hazardous Waste Management Rules.

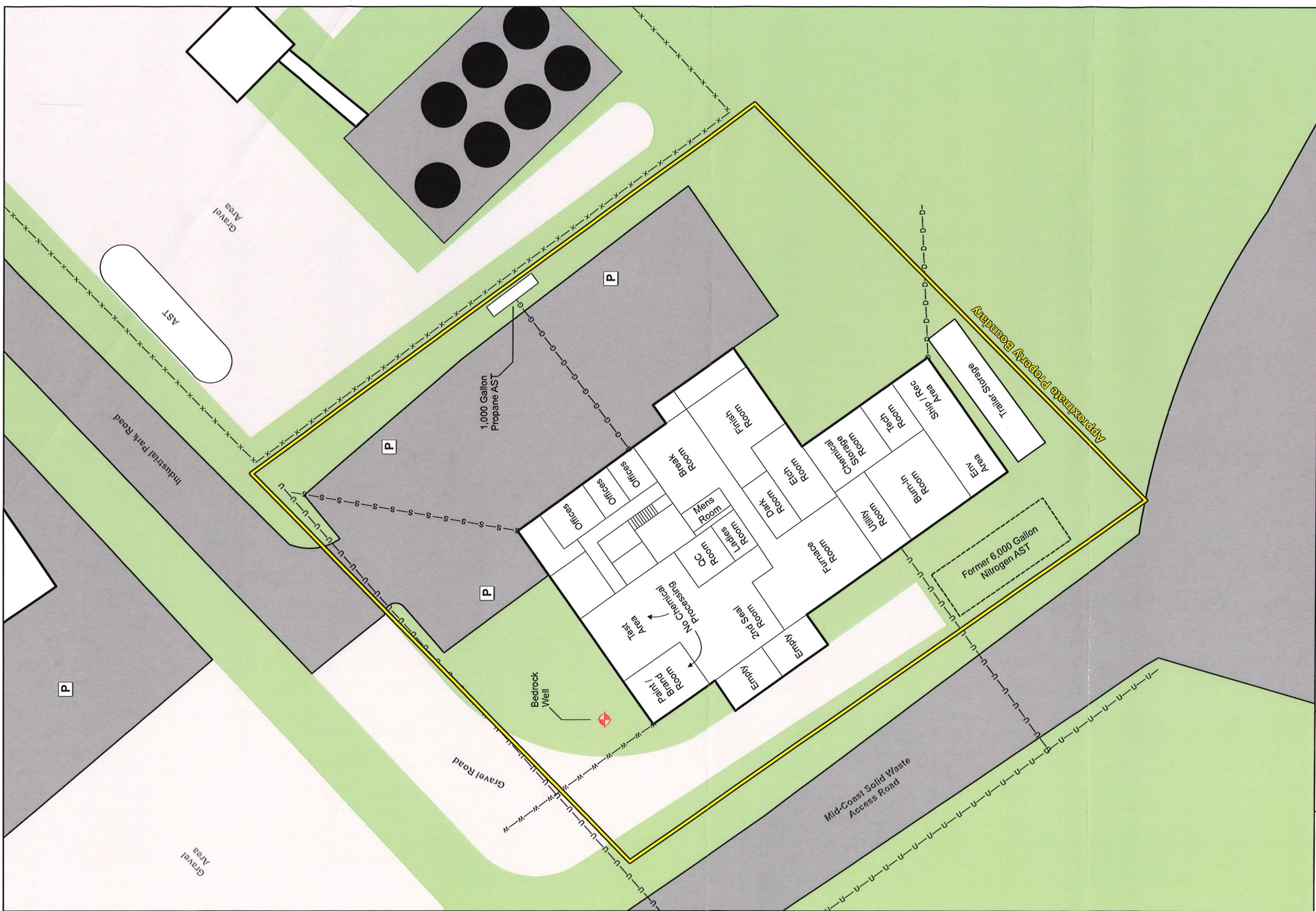
This report is based on our review of the site closure activities at the former MicroMetrics facility and information provided by the Director of Operations for Aeroflex/MicroMetrics. The results of this report must be qualified in that no borings, soil or groundwater sampling, or chemical testing were conducted as part of this closure. Therefore, our conclusions regarding the conditions of the property do not represent a warranty regarding historical disposal practices or whether hazardous waste or hazardous waste residue may be present at the site or in the soils or groundwater of the site.

Figures

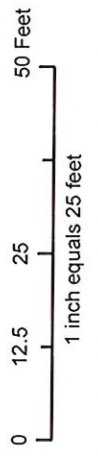


SITE LOCATION

PROJECT: 076055 DATE: 10/19/2007		Figure 1 Site Location Map		0 1,000 2,000 4,000 Feet 1:24,000		
		Prepared For: Aeroflex / Micrometrics 54 Grenier Field Road Londonderry, New Hampshire		Site Address: Micrometrics, Inc. 12 Industrial Park Road Rockport, Maine		



PROJECT: 076055 DATE: 10/19/2007	Figure 2 Site Plan		Subject Property Bedrock Well	Pavement Chain Link Fence Gravel Overhead Utility Non-Contact Cooling Water Propane Gas Line s—s— Sewer Line w—w— Water Line
	Prepared For: Aeroflex / Micrometrics 54 Grenier Field Road Londonderry, New Hampshire	Site Address: Micrometrics, Inc. 12 Industrial Park Road Rockport, Maine		



Appendix

A

APPENDIX A

Hazardous Waste Manifests

**Certification of Site Closure
Aeroflex/Micrometrics
12 Industrial Park Road
Rockport, Maine**



Container Packing List
Page 1 of 1

Container #: C000000005
Profile: LAT-A
Vendor Container#:

Date: 10/4/2007
Job #: C11633105
S/O #:

Generator Code: KMO3547
EPA Id: ME D 07 17 30220
Aeroflex MicroMetrics Inc.
17 CR Industrial Park Rd
Rockport, ME 04855
Phone: (503) 541-3500

TSDF ID: RD
EPA Id: NC D 000546451
Clean Harbors Folsville LLC
208 Watlington Industrial Drive
Folsville, NC 27520
Phone: (336) 342-6105

Chemist Initials: CHOICE

Manifest #: 000541255 FLE Line: 9 Page: 2

Proper Shipping Name:

WASTE CORROSIVE LIQUID, ACIDIC, INORGANIC, N.O.S. (HYDROCHLORIC ACID, SULFURIC ACID), 6, UN3264, PG II

Container Type: 55DF 55 GALLON PLASTIC/FIBER DRUM

RCRA Quantity: 110.0000 Pounds

Gross Weight: 70.05 Pounds

Comment:

Item #	Constituent	%	EPA Waste Codes	Qty	L/S/G	VC
1000000001	NITRIC ACID	100.0	D002	1.00 Gallons	L	G
Item Comment: 3x 2l						
1000000002	sulfuric acid	100.0	D002	1.00 Gallons	L	G
1000000003	PHOSPHORIC ACID	100.0	D002	1.00 Gallons	L	G
Item Comment: 2x gal						
1000000004	BORIC ACID	100.0		2.00 Pounds	S	G
1000000005	SULFAMIC ACID SOLUTION	100.0	D002	5.00 Gallons	L	G
Item Comment: 1x 5gal, 3x gal						
1000000006	HYDROCHLORIC ACID	100.0	D002	1.00 Pints	L	G
1000000007	IODINE	100.0		100.00 Grams	S	G

COPY

CHOICE

Container Packing List

Page 1 of 1

Container # : C 000005006

Profile : LUGRB

Vendor Container# :

Date : 10/4/2007

Job # : C11633106

S/O # :

Chemist initials : CHOICE

Generator Code : KNO0547

EPA ID : ME D 07 173 0220

Aeroflex Microdetics Inc.

17 CR Industrial Park Rd

Reclport, ME 04855

Phone : (603) 641-3000

TSD ID : RD

EPA ID : NC D 000645451

Clean Harbors Reidsville LLC

208 Watlington Industrial Drive

Reidsville, NC 27320

Phone: (336) 342-6106

Manifest # : 000541255 FLE Line : 10 Page : 2

Proper Shipping Name:

Container Type : 160F 16 gallon drum

WASTE CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (AMMONIUM HYDROXIDE, RCRA Quantity : 25.0000 Pounds
DEVELOPER), UN3265, PG II

Gross Weight : 18.79 Pounds

Comment :

Item #	Constituent	%	EPA Waste Codes	Qty	LIS/G	UC
1000000013	DEVELOPER	100.0	D002	1.00 Gallons	L	G
Item Comment : 3x gal						
1000000014	Ammonium Hydroxide	100.0	D002	1.00 Gallons	L	G
Item Comment : 2x gal						
1000000015	ETHANOLAMINE	100.0	D002	1.00 Pints	L	G
Item Comment : 2x pt						
1000000016	Monethanolamine	100.0	D002	1.00 Pints	L	G

Item #	Constituent	%	EPA Waste Codes	Qty	L/S/G	IC
1000000024	Hydrofluoric acid	100.0	D002	1.00 Gallons	L	G
Item Comment : 2x gal, 1x pt						
1000000025	Hydrofluoric acid	100.0	D002	1.00 Gallons	L	G
Item Comment : 2x gal, 1x pt						



Container Packing List

Page 1 of 1

Container #: C 000000012

Profile: LCCFC

Vendor Container#:

Date: 10/4/2007

Job #: C11633105

S/O #:

Chemist Initials: CHOICE

Generator Code: FMO3647

EPA Id: MED071710220

Keroflex MicroMoldes Inc

17 CR Industrial Park Rd

Rockport, ME 04856

Phone: (605) 641-3800

ISDF ID: RD

EPA Id: NGD000648451

Clean Harbors Reidsville LLC

208 Watlington Industrial Drive

Reidsville, NC 27320

Phone: (855) 542-6105

Manifest #: 000541255 FLE Line: 7 Page: 2

Proper Shipping Name:

WASTE TOXIC LIQUID, INORGANIC, N.O.S. (ARSENIC, SILVER CHLORIDE), 6.1, UN3287, PG II

Container Type: 30DF 30 GALLON PLASTIC/FIBER DRUM

RCRA Quantity: 39.0000 Pounds

Gross Weight: 37.39 Pounds

Comment:

Item #	Constituent	%	EPA Waste Codes	Qty	U/S/G	IC
1000000027	SILVER CHLORIDE	100.0	D011	1.00 Pounds	S	G
1000000028	Arsenic	100.0	D004	1.00 Pounds	S	G
1000000029	Arsenic	100.0	D004	1.00 Pounds	S	G
1000000030	TIN SOLUTION	50.0		1.00 Pints	L	G
	Arsenic	50.0	D004			G
1000000031	BUFFER SOLUTION	100.0		5.00 Pounds	S	G
1000000032	NICKLE SULFATE	100.0		10.00 Pounds	S	G
1000000033	THIOUREA	100.0	U210	1.00 Gallons	L	G
1000000034	non-haz lab chemicals and reagents	100.0		10.00 Pounds	S	G



Container Packing List

Page 1 of 1

Container #: C 000000014

Profile : LCCRRB

Vendor Container#:

Date : 10/4/2007

Job # : C11633105

S/O #:

Chemist Initials : CHOICE

Generator Code : KH00847

EPA Id : M E D 0 7 1 7 3 0 2 2 0

Aeroflex MicroMetrics Inc.

17 CR Industrial Park Rd.

Rockport, ME 04556

Phone : (603) 641-3800

TSDF ID : RD

EPA Id : N C 0 0 0 0 6 4 6 4 5 1

Clean Harbors Reidsville LLC

208 Wallington Industrial Drive

Reidsville, NC 27320

Phone: (336) 342-6106

Manifest # : 000541255 FLE Line : 5 Page : 2

Proper Shipping Name:

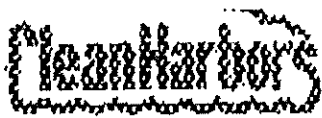
Container Type : O5DF 5 gallon plastic/mbees pall

WASTE CYANIDE SOLUTIONS, N.O.S., POTASSIUM FERRICYANIDE, 5.1, UN1955, PG RCRA Quantity : 10.0000 Pounds

Gross Weight : 4.13 Pounds

Comment :

Item #	Constituent	%	EPA Waste Codes	Qty	LS/G	IC
1000000036	POTASSIUM FERRICYANIDE	100.0	D003	1.00 Pounds	S	G
1000000037	WATER	90.0		1.00 Pints	L	G
	Cyanide	10.0	D003			G
1000000038	WATER	90.0		1.00 Pints	L	G
	Cyanide	10.0	D003			G
1000000039	WATER	90.0		1.00 Pints	L	G
	Cyanide	10.0	D003			G



Land Disposal Restriction Notification Form

Page 2 of 3

Date: 10/04/2007

MANIFEST INFORMATION

Generator: Aeroflex Micrometrics Inc.

Address: 17 CR Industrial Park Rd.

Rockport, ME 04858

EPA ID# MED071730220

Manifest No

000541355 FLE

Sales Order No: C11633105

Manifest Document No: 00001

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category:
8	2	LCCRA	NON-WASTEWATER	2 : This is subject to LDR.

EPA Waste Codes

0002

EPA Waste Subcategory

Corrosive Characteristic

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category:
9	2	LAT-A	NON-WASTEWATER	2 : This is subject to LDR.

EPA Waste Codes

0002

EPA Waste Subcategory

Corrosive Characteristic

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category:
10	2	LCCRB	NON-WASTEWATER	2 : This is subject to LDR.

EPA Waste Codes

0002

EPA Waste Subcategory

Corrosive Characteristic

Certification**Applies to
Manifest
Line Items**

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1 2 3 4 5 6
7 8 9 10

Customer Job Sheet

JOB NUMBER:

G11635105

Date:

Thursday - 10/4/07

Purchase Order #

Billing Type:

QUOTE

Job Complete:

YES

Job Notes:



ENVIRONMENTAL SERVICES
CLEANPACK DIVISION
(B) Braintree

(BL) Baltimore (SG) Spring Grove
(CH) Chicago (CT) Connecticut

Generator Name: Aeroflex MicroMetrics Inc.

Contact Person: TIM

Contact Phone: 6036413800

Address: 17 CR Industrial Park Rd.

Rockport, ME 04555

Aeroflex MicroMetrics Inc.

Attention: Tim Filteau

6036413800

Address: 17 CR Industrial Park Rd.

Rockport, ME 04555

LABOR

LABORER	TITLE	PER DIEM	ST	OT	OT
Kenney, Brett F	Labpack Chemist	N	7.00	0.00	0.00
Sanchez, Bladimir	Labpack Chemist	N	7.00	0.00	0.00

JOB DESCRIPTION

Mob/Demob Applies: NO

DISPOSAL

Receiving Facility	Manifest #	Line Item	Manifest Page No	Cntr Size	Billing Code	HCRA Quantity	Comments
Clean Harbors Reidsville LLC	000541355 FLE	1	1	5 DF	LCCRO	3 s	
Clean Harbors Reidsville LLC	000541355 FLE	10	2	16 DF	LCCRB	25 s	
Clean Harbors Reidsville LLC	000541355 FLE	2	1	55 DM	KN003-C	345 s	
Clean Harbors Reidsville LLC	000541355 FLE	3	1	55 DM	LCCRD	156 s	
Clean Harbors Reidsville LLC	000541355 FLE	4	1	16 DF	LCCRO	29 s	
Clean Harbors Reidsville LLC	000541355 FLE	5	2	5 DF	LCCRRB	10 s	
Clean Harbors Reidsville LLC	000541355 FLE	6	2	5 DF	LCHG1	1	
Clean Harbors Reidsville LLC	000541355 FLE	7	2	50 DF	LCCRC	89 s	
Clean Harbors Reidsville LLC	000541355 FLE	8	2	5 DF	LCCRA	12 s	
Clean Harbors Reidsville LLC	000541355 FLE	9	2	65 DF	LAT-A	110 s	
Clean Harbors Reidsville LLC	000541357 FLE	1	1	55 DF	CH274469	355 s	
Clean Harbors Reidsville LLC	000541357 FLE	1	1	16 DF	CH274469	144 s	

PROFILED WASTE STREAMS

NEW PROFILES	SAMPLE	NEW PROFILES	SAMPLE
CH274469		KN003-C	

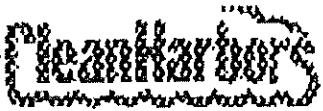
FLEET NUMBERS

6301

MATERIALS USED

3	Vermiculite		
---	-------------	--	--

UNIFORM HAZARDOUS WASTE MANIFEST (Continuation Sheet)		21. Generator ID Number	22. Page	23. Manifest Tracking Number		
24. Generator's Name						
25. Transporter _____ Company Name				U.S. EPA ID Number		
26. Transporter _____ Company Name				U.S. EPA ID Number		
27a HM	27b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	28. Containers		29. Total Quantity	30. Unit Wt./Vol.	31. Waste Codes
		No.	Type			
32. Special Handling Instructions and Additional Information						
33. Transporter _____ Acknowledgment of Receipt of Materials						
Printed/Typed Name				Signature		Month Day Year
34. Transporter _____ Acknowledgment of Receipt of Materials						
Printed/Typed Name				Signature		Month Day Year
35. Discrepancy						
36. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						



Land Disposal Restriction Notification Form

Page 1 of 1

Date: 10/04/2007

MANIFEST INFORMATION

Generator: Aeroflex MicroMetrics Inc.
Address: 17 CR Industrial Park Rd.
Rockport, ME 04856
EPA ID: ME D071730220

Manifest No:
000541367 FLE
Sales Order No: C11633105
Manifest Document No: 00002

LINE ITEM INFORMATION

Line Item:	Page No:	Profile No:	Treatability Group:	LDR Disposal Category:
1	1	CH274469	NON-WASTEWATER	2 : This is subject to LDR.

EPA Waste Codes

D002

F007

EPA Waste Subcategory

Corrosive Characteristic

NONE

Certification

Applies to
Manifest
Line Items

Pursuant to 40 CFR 268.7(a), I hereby notify that this shipment contains waste restricted under 40 CFR Part 268.

1

Waste analysis data, where available, is attached

Signature: _____

Print Name: Tim FILTRAN

Title: _____

Director of Operations

Date: 10/4/07

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number 001045001 FLE		
5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)					
Generator's Phone:							
6. Transporter 1 Company Name		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address		U.S. EPA ID Number					
Facility's Phone:							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt/Vol	13. Waste Codes	
1			FLR	1	1		
2							
3							
4							
14. Special Handling Instructions and Additional Information							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name		Signature			Month	Day Year	
16. International Shipments ☐ Import to U.S. ☐ Export from U.S.		Port of entry/exit _____ Date leaving U.S.: _____					
17. Transporter Acknowledgment of Receipt of Material's							
Transporter 1 Printed/Typed Name		Signature			Month	Day Year	
Transporter 2 Printed/Typed Name		Signature			Month	Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection							
Manifest Reference Number: _____							
16b. Alternate Facility (or Generator)		U.S. EPA ID Number					
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)		Signature			Month	Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator. Certification of receipt of hazardous material's covered by the manifest except as noted in item 18a							
Printed/Typed Name		Signature			Month	Day Year	

WORK ORDER NO. _____

DOCUMENT NO. **209643** STRAIGHT BILL OF LADINGTRANSPORTER 1 CLEAN HARBORS ENV SERVICES, INC VEHICLE ID # 5.14-761-720
MEEPA ID # MA039322250 TRANS. 1 PHONE 781-792-5000

TRANSPORTER 2 _____ VEHICLE ID # _____

EPA ID # _____ TRANS. 2 PHONE _____

DESIGNATED FACILITY WILLIAMS TERMINAL				SHIPPER <i>Acrylic Ink on Containers Inc</i>	
FACILITY EPA ID # ME0982546988				SHIPPER EPA ID #	
ADDRESS 17 MAIN STREET				ADDRESS <i>Industrial Park</i>	
CITY SOUTH PORTLAND		STATE ME		CITY <i>Rockport</i>	
ZIP 04106		STATE ME		ZIP <i>04860</i>	
CONTAINERS NO. & SIZE	TYPE	HM	DESCRIPTION OF MATERIALS	TOTAL QUANTITY	UNIT WT/VOL
<i>24</i>	<i>Bag</i>	<i>NA</i>	A. NON HAZ NON DOT REG OILY DEBRIS	<i>300 lbs</i>	
			B.		
			C.		
			D.		
			E.		
			F.		
			G.		
			H.		
SPECIAL HANDLING INSTRUCTIONS EMERGENCY # 800-483-3718					

SHIPPERS CERTIFICATION: This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

SHIPPER	PRINT <i>Tina F...</i>	SIGN <i>[Signature]</i>	DATE <i>10/1/01</i>
TRANSPORTER 1	PRINT <i>Alan M...</i>	SIGN <i>[Signature]</i>	DATE <i>10/1/01</i>
TRANSPORTER 2	PRINT	SIGN	DATE
RECEIVED BY	PRINT	SIGN	DATE

4

Report

Classification Profile Type Approval Status Expiration Date

I Approved 10/1/2008

NOT REGULATED MATERIAL, (universal waste bulbs), N/A, NONE MRD009; NON DOT REGULATED MATERIAL, (universal waste bulbs), N/A, NONE MRD009

Baltimore, MD Facility; BR - Braintree, MA Facility; BW - Bartow, FL Facility; EL - El Dorado, AR Facility; RD - Reidsville, NC Facility; SG - Spring Grove, OH Facility; BA - Baltimore, MD Facility; BR - Braintree, MA Facility; BW - Bartow, FL Facility; EL - El Dorado, AR Facility; RD - Reidsville, NC Facility; SG - Spring Grove, OH Facility

2 I Approved 10/1/2008

any contained in manufactured articles, 8, UN2809, PG III, Universal Waste for Recycle; RQ, Mercury, 8, UN2809, PG II In Devices as Universal Waste for Recycle; Mercury contained in manufactured articles, 8, UN2809, PG III, Universal Waste for Recycle; RQ, Mercury, 8, UN2809, PG III In Devices as Universal Waste for Recycle

Baltimore, MD Facility; BR - Braintree, MA Facility; BW - Bartow, FL Facility; EL - El Dorado, AR Facility; RD - Reidsville, NC Facility; SG - Spring Grove, OH Facility; BA - Baltimore, MD Facility; BR - Braintree, MA Facility; BW - Bartow, FL Facility; EL - El Dorado, AR Facility; RD - Reidsville, NC Facility; SG - Spring Grove, OH Facility

B22N I Expired 9/30/2004

D002

Waste Corrosive liquid, acidic, inorganic, n.o.s., (Nitric Acid, Sulfuric Acid), 8, UN3264, PG II

BA - Baltimore, MD Facility; BR - Braintree, MA Facility; BW - Bartow, FL Facility; RD - Reidsville, NC Facility; SG - Spring Grove, OH Facility; WC - Bristol, CT Facility

DOT Ship Information
Approved Facilities

KN003-C FLUX REMOVER, IPA, ACE I Approved 6/12/2008

EPA/State/Provincial Waste Codes

DOT Ship Information

Approved Facilities

D001 ; F003

Waste Flammable liquids, toxic, n.o.s., (ACETONE, METHANOL), 3, (6.1), UN1992, PG II
BA - Baltimore, MD Facility; BR - Braintree, MA Facility; BW - Bartow, FL Facility; EL - El Dorado, AR Facility; RD - Reidsville, NC Facility; SG - Spring Grove, OH Facility

KN003-F Hydrofluoric Acid- Ammonium Hydroxide I Expired 9/29/2004

EPA/State/Provincial Waste Codes

DOT Ship Information

Approved Facilities

D002

Waste Corrosive liquid, acidic, inorganic, n.o.s., (Hydrofluoric Acid), 8, UN3264, PG II
AG - Aragonite, UT Facility; BA - Baltimore, MD Facility; BR - Braintree, MA Facility; BW - Bartow, FL Facility; RD - Reidsville, NC Facility; SG - Spring Grove, OH Facility

Total: 11 Profiles

☒ Knowledge ☐ Testing

E. CONSTITUENTS - Are these values based on testing or knowledge?
If constituent concentrations are based on analytical testing, analysis must be provided. If based on knowledge, basis of knowledge must be provided below.

It's a drum. I saw it.

RCRA REGULATED METALS	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm
D004 ARSENIC	5.0		
D005 BARIUM	100.0		
D006 CADMIUM	1.0		
D007 CHROMIUM	5.0		
D008 LEAD	5.0		
D009 MERCURY	0.2		
D010 SELENIUM	1.0		
D011 SILVER	5.0		

RCRA VOLATILE COMPOUND	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm
D018 BENZENE	0.5		
D019 CARBON TETRACHLORIDE	0.5		
D021 CHLOROBENZENE	100.0		
D022 CHLOROFORM	8.0		
D028 1,2-DICHLOROETHANE	0.5		
D029 1,1-DICHLOROETHYLENE	0.7		
D034 METHYL ETHYL KETONE	200.0		
D038 TETRACHLOROETHYLENE	0.7		
D040 TRICHLOROETHYLENE	0.5		
D043 VINYL CHLORIDE	0.2		

RCRA SEMI-VOLATILE COMPOUND	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm
D023 o-CRESOL	200.0		
D024 m-CRESOL	200.0		
D025 p-CRESOL	200.0		
D026 CRESOL (TOTAL)	200.0		
D027 1,4-DICHLOROBENZENE	7.5		
D030 2,4-DINITROTOLUENE	0.13		
D032 HEXACHLOROBENZENE	0.13		
D033 HEXACHLOROCYCLOHEPTADIENE	0.5		
D034 HEXACHLOROETHANE	3.0		
D036 NITROBENZENE	2.0		
D037 PENTACHLOROPHENOL	100.0		
D038 PYRIDINE	5.0		
D041 2,4,6-TRICHLOROPHENOL	400.0		
D042 2,4,6-TRICHLOROPHENOL	2.0		

RCRA PESTICIDES AND HERBICIDE	REGULATORY LEVEL (mg/l)	TCLP mg/l	TOTAL ppm
D012 ENDRIN	0.02		
D013 LINDANE	0.4		
D014 METHOXYCHLOR	10.0		
D015 TOXAPHENE	0.5		
D016 2,4-D	10.0		
D017 2,4,5-TP (SILVEX)	1.0		
D020 CHLORDANE	0.03		
D031 HEPTACHLOR (AND ITS EPOXIDE)	0.008		

OTHER METALS	MIN	MAX	UOM
ALUMINUM			
ANTIMONY			
BERYLLIUM			
CALCIUM			
COPPER			
MAGNESIUM			
MOLYBDENUM			
NICKEL			
POTASSIUM			
SILICON			
SODIUM			
THALLIUM			
TIN			
VANADIUM			
ZINC			

NON-METALS	MIN	MAX	UOM
BROMINE			
CHLORINE			
FLUORINE			
IODINE			
SULFUR			

OTHER NON-METALS	MIN	MAX	UOM
AMMONIA			
REACTIVE SULFIDE			
CYANIDE-TOTAL			
CYANIDE AMENABLE			
CYANIDE REACTIVE			

OTHER CHEMICALS	MIN	MAX	UOM
PHENOL			
Total Petroleum Hydrocarbons			

OTHER

HOCs

☒ NONE
< 1000 PPM
≥ 1000 PPM

PCBs

☒ NONE
< 50 PPM
≥ 50 PPM

IF PCBs ARE PRESENT, IS THE WASTE REGULATED BY TSCA 40 CFR 761?

YES ☒ NO

ADDITIONAL HAZARDS

DOES THIS WASTE HAVE ANY UNDISCLOSED HAZARDS OR PRIOR INCIDENTS ASSOCIATED WITH IT, WHICH COULD AFFECT THE WAY IT SHOULD BE HANDLED?

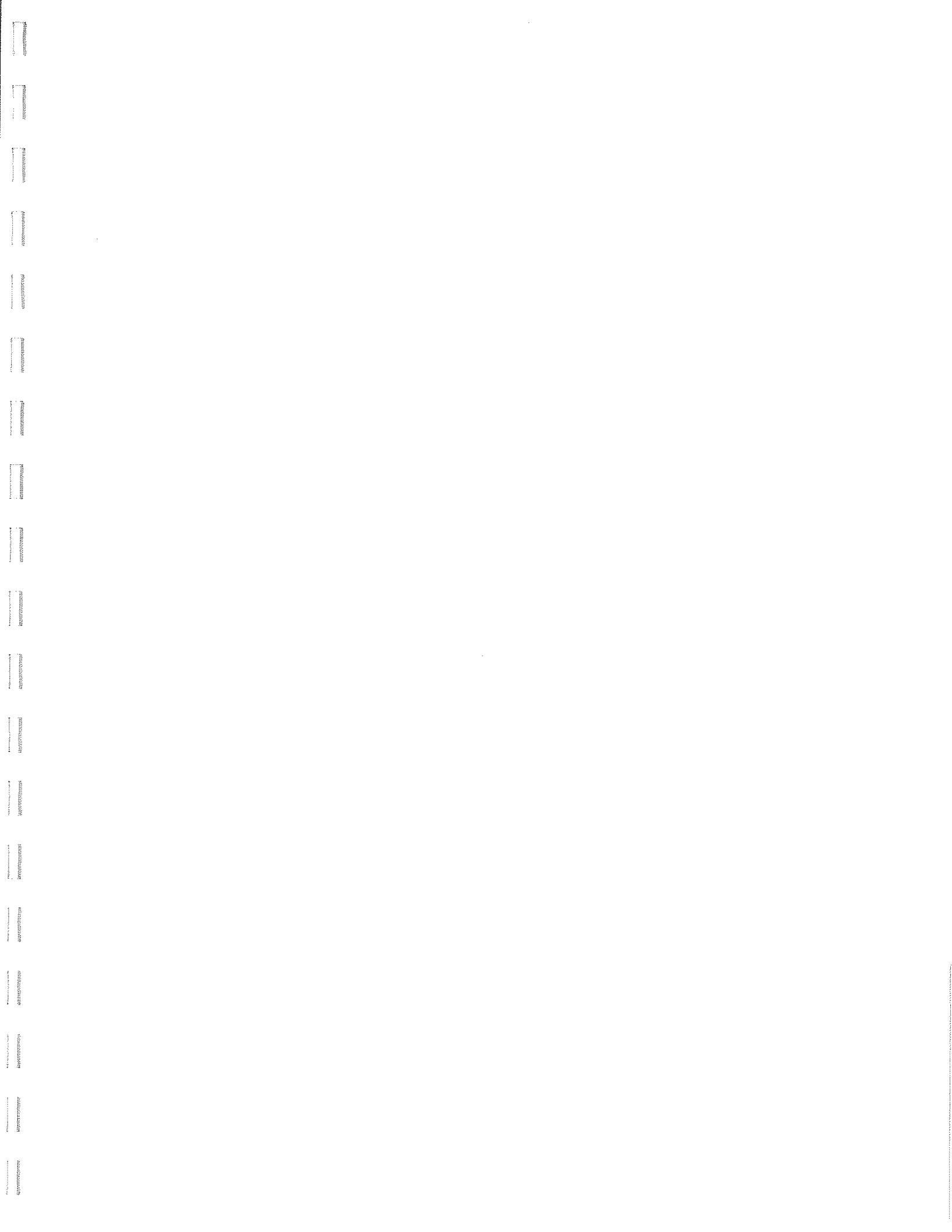
YES ☒ NO (If yes, explain)

ASBESTOS
OEA REGULATED SUBSTANCES
DIOXIN
EXPLOSIVE
HERBICIDE
FUMING / SMOKING WASTE

INFECTIOUS, PATHOGENIC, OR ETIOLOGICAL AGENT
OXIDIZER
OSHA REGULATED CARCINOGENS
PESTICIDE
POLYMERIZABLE
RADIOACTIVE

REDUCING AGENT
SHOCK SENSITIVE
SPONTANEOUSLY IGNITES WITH AIR
THERMALLY SENSITIVE
WATER REACTIVE

WASTE OF THE ABOVE



APPENDIX B

Photograph Log

**Certification of Site Closure
Aeroflex/Micrometrics
12 Industrial Park Road
Rockport, Maine**

Photograph Log



A view of the MicroMetrics facility looking south.



A view of the sink in the Paint/Brand Room.



A view of the Test Area looking north. Staining observed on floor in areas of former equipment.



A view of the vacant Engineering Wing.



A view of the chemical storage cabinet in the Dark Room emptied during closure activities.



A view of production equipment in the Furnace Room.

Photograph Log



A view of electrical panels and equipment remaining in the Utility Room.



A view of the remaining equipment in the northern half of the Burn-In Room.



A view of the remaining equipment in the southern portion of the Burn-In Room.



A view of the remaining tools located in the Machine Shop.

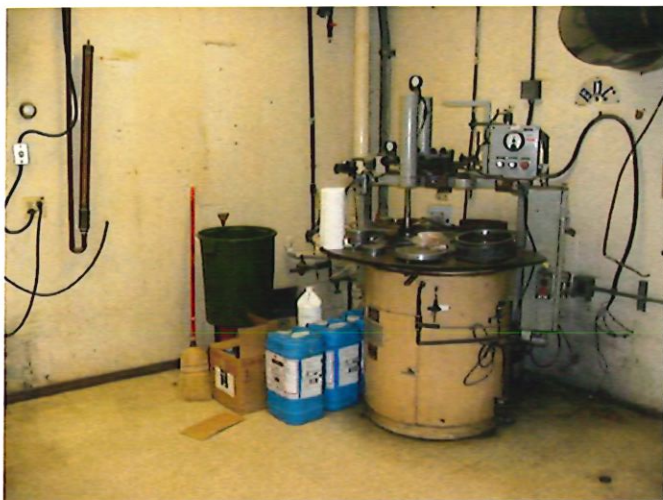


A view of the remaining equipment in the southwest portion of the Environmental Area.



A view of the remaining equipment, computer parts, and gas cylinder cabinets located in the northeast portion of the Environmental Area.

Photograph Log



A view of the remaining equipment and chemicals located in the Finish Room that are planned to be sold.



A view of the former location of three sinks in the Finish Room that were removed by Clean Harbors.



A view of the location of a former chemical storage cabinet in the Finish Room removed by Clean Harbors.



A view of the former location of two cyanide waste drums that were removed by Clean Harbors.

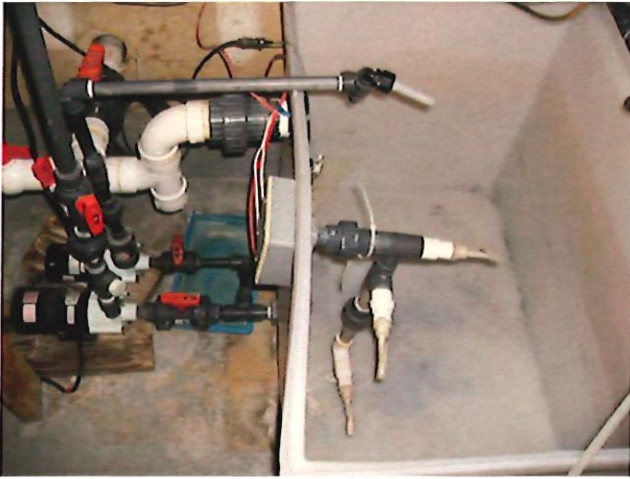


A view of four sinks located in the Etch Room that were tested, neutralized, flushed, and dried by Clean Harbors. The sinks are to remain in the building.



A view of the inside of one of the sinks in the Etch Room.

Photograph Log



A view of the neutralization tank located in the Chemical Storage Room. The tank was emptied and cleaned by Clean Harbors.



A view of an empty drum that formerly contained sodium hydroxide to be used in the neutralization tank.



A view of the pallets formerly used to hold hazardous waste solutions. The pallets were cleaned by Clean Harbors.



A view of shelves located in the Chemical Storage Room. Glassware and equipment parts were being stored on the shelves at the time of the inspection.



A view of shelves located in the Chemical Storage Room. A plastic layer formerly covering the shelves was removed by Clean Harbors.



A view of the location of a 6,000-gallon nitrogen aboveground storage tank. The tank and associated piping were removed as part of the closure.