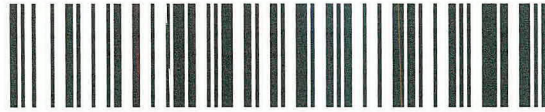




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Tank - Closure - Report. pdf

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Von Roll Isola USA, Inc.One West Campbell Road,
Schenectady, NY 12306

Telephone (518) 344-7100

Fax (518) 344-7384

October 23, 1998

Guy Swenson
O'Brien & Gere Engineers, Inc.
5000 Brittonfield Parkway
P.O. Box 4873
Syracuse, NY 13221-4873**RE: Final Report of the Minebolt Tank and Caustic Tank Removal
Von Roll Isola USA, Inc. Referenced Spill No. 9806283**

Dear Guy,

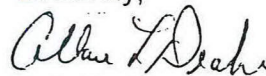
Attached is the completed Tank Closure Report for RV14 Underground Storage Tank and Minebolt Resin Aboveground Storage Tank dated October 19, 1998 which should be referenced in any update of the Summary Report for the Riverview Facility. To date there has been no word from the NYSDEC regarding the report or proposed scope of work.

The RV14 underground storage tank had been emptied and cleaned prior to the promulgation of the UST regulations. The tank was in good condition when removed and no evidence of any release was found.

The Minebolt Resin ASTs (Tanks M10 and M11) were registered under the Bulk Chemical Storage Program (Site ID 4-000107). During the removal of the Minebolt Resin tank and underground piping, approximately 100 pounds of resin (containing styrene and vinyl toluene) were found around the base of the resin pumphouse. Spill Number 9806283 was assigned following a telephone discussion with William Christensen of the NYSDEC. Approximately 3 cubic yards of soil were removed. Soil samples were collected in the area to confirm that all the contaminated soil was removed. The enclosed report outlines the completed project.

If you have any questions, feel free to give me a call at (518) 344-7152.

Sincerely,



A. L. Drake

Manager Environmental Compliance

ALD/dmm
Enclosurecc: Stephen Urschel, General Electric Co. w/ Enclosure
David Engel, General Electric Co. w/o Enclosure

Tank Closure Report for RV-14 Underground Storage Tank and
Minebolt Resin Aboveground Storage Tank

Prepared for:

VON ROLL ISOLA USA, INC.
ONE WEST CAMPBELL ROAD
SCHENECTADY, NEW YORK 12306

Prepared by:

MCLAREN/HART INC.
25 INDEPENDENCE BOULEVARD
WARREN, NEW JERSEY 07059

MCLAREN/HART PROJECT : 14-0805730-001-001

DATE PREPARED: OCTOBER 19, 1998

Overseen and Prepared by:



Thomas DeMichele
Project Superintendent
NJDEP Subsurface Evaluator # 1584



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Table 3-1	UST Soil Sample Results
Table 3-2	Berm Area Soil Sample Results
Table 3-3	Ethylene Glycol Soil Sample Result
Table 3-4	AST Soil Sample Results

FIGURES

Figure 1	Site Location Map
Figure 2	Site Map
Figure 3	UST Sample Location Map
Figure 4	Minebolt Resin Sample Location Map

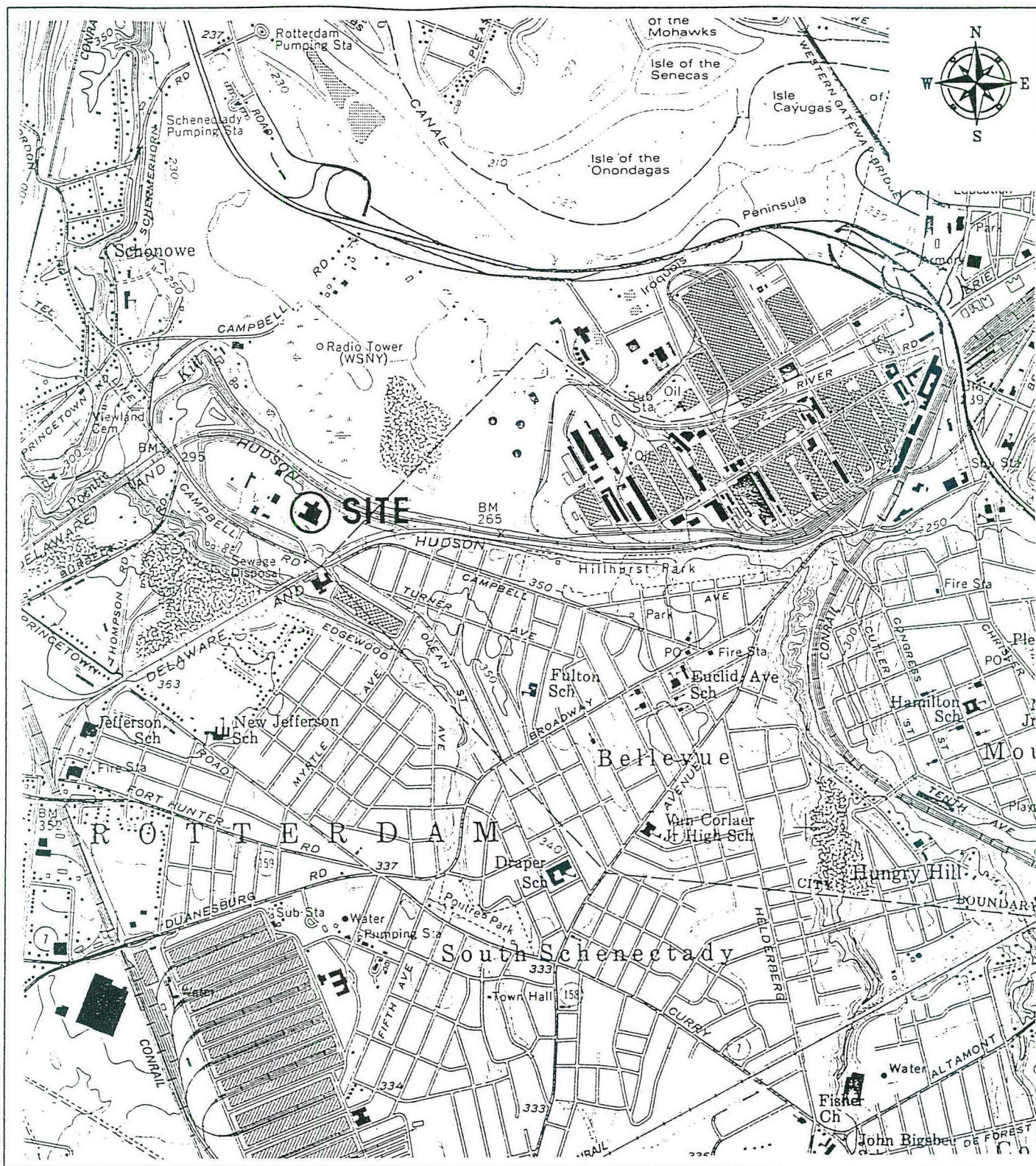
APPENDICES

Appendix A	Laboratory Analytical Results
Appendix B	Tank Disposal Receipts
Appendix C	Hazardous Waste Manifests
Appendix D	Site Photographs

1.0 INTRODUCTION

McLaren/Hart Inc. (McLaren/Hart) was retained by Von Roll Isola USA, Inc. (VRI) to supervise the removal of a 10,000 gallon Underground Storage Tank (UST), the compartmentalized 25,000 gallon Minebolt Resin Aboveground Storage Tank (AST) and their associated appurtenances. The Minebolt Resin tank was registered with the New York State Department of Environmental Conservation (NYDEC) as two 12,500 gallon tanks. All site work was performed by MC Environmental of Glen Falls, New York. This report discusses the activities associated with the removal of the two storage tanks and their associated appurtenances at VRI's facility located at One West Campbell Road, Schenectady, NY.

The UST and AST had both been previously removed from service. At that time both tanks were drained and the UST was reportedly cleaned. A NYSDEC Spill Number, 9806283, associated with the AST, was issued on August 20, 1998 due to a small historical release of the Minebolt Resin compound, containing styrene and vinyl toluene.



SOURCE: USGS QUADRANGLE (SCHENECTADY, N.Y.)

FIGURE 1

SITE LOCATION MAP

VONROLL ISOLA, USA
SCHENECTADY, NEW YORK



DRWN: J.R.F.

CHK'D: T.D.

SCALE: AS SHOWN

DATE: 09/10/98

DWC: 73000100 09/10/98



QUADRANGLE LOCATION
SCALE: 1" = 2000'

2.0 SITE CONDITIONS

2.1 PROJECT SITE DESCRIPTION

Von Roll Isola USA, Inc. (VRI) is an approximately 20-acre production facility located at One West Campbell Road in Schenectady, New York (Figure 1). The Facility, which is located approximately one (1) mile south of the Mohawk River is situated on a relatively flat plateau approximately 340 feet above mean sea level (MSL). The site is bordered by the St. Lawrence and Hudson Railroad to the north and east, and by West Campbell Road to the west and south.

The VRI Schenectady Facility is a multi-building complex consisting of both offices and production buildings. VRI manufactures coatings and insulating materials for various types of wire systems. There was one AST divided into two separate tank compartments and one UST slated for removal at the VRI Facility. The UST, a single compartment 10,000 gallon tank, was situated at the southern corner of Building RV-14, offset approximately six feet from the building foundation. The UST was bounded by the Facility's main access road located approximately six to eight feet south of the tank. The UST acted as an overflow for the caustic tank located in Building RV-14, which was connected via a 2 1/2 inch pipe that ran underneath the building foundation. Additional equipment situated within the UST work area included the supply piping which exits the north end of the tank and continued under the building foundation, connecting to the caustic tank situated within the basement of Building RV-14.

The AST was actually two 12,500 gallon compartments combined into one 25,000 gallon tank. The AST was situated within an earthen bermed area of approximately 70 feet by 60 feet to the crest of the berm. The project area was bordered by a tanker truck off-loading shed to the east with the plant main access road beyond, open space to the north, product pump shed and the glycol circulation shed to the south and a drum storage pad to the east of the tank berm area. Ancillary resin supply piping extends approximately 190 feet east to Building RV-42 and approximately 200 feet north to RV-33. In addition to the AST and resin supply piping, other

structures contained within the project area included pipe racks supporting both insulated and uninsulated process piping (*i.e., chemical supply line piping, vent piping, steam lines, nitrogen lines*), mechanical equipment associated with the AST (*i.e., pumps, motors, valves, electrical conduit*), the three sheet metal sheds, tank cradles, and a heat exchanger (jacketed tube type) located just inside of RV-33. Table 2-1 provides a description of each of the tanks, their contents, and their current status.

Table 2-1 YRI Tank Summary				
Tank #	Chemical	Tank Construction	Age	Capacity
M10*	Minebolt Resin	Carbon Steel	12/77	12,500
M11*	Minebolt Resin	Carbon Steel	12/77	12,500
N/A	Cleaned (formerly caustic and mica flakes)	Carbon Steel	1976	10,000
* One compartment (tank) of a dual compartment tank				

2.2 SUBSURFACE CONDITIONS

Based upon published geologic data, the project area lies within the Mohawk Valley Physiographic Province. This physiographic province is broadly comprised of glacial deposits (*i.e., till, lacustrine materials, outwash*) underlain by bedrock. More specifically, the surficial glacial deposits at the subject site are predominantly outwash deposits; materials sorted by water into layered or stratified deposits of sand and gravel.

According to the Soil Survey of Montgomery and Schenectady Counties, surficial soils at the project site are classified as Colonie loamy fine sands that were formed in sandy deposits of deltaic or eolian origin. These soils are nearly level (0-3 percent slopes), well-drained to excessively well-drained fine sands that, in representative profile, range in color and texture from dark grayish-brown loamy fine sands at the surface to brown, loose fine sands at depths

of approximately ten (10) feet. The bedrock underlying the site is of Ordovician Age and is compromised of the shale and interbedded sandstone of the Schenectady Formation. Although the specific depth to bedrock at the work site is unknown, VRI personnel estimated it to be greater than 90 feet below surface grade (BSG). The seasonal high water table at the VRI facility is estimated to be approximately sixty (60) feet BSG.

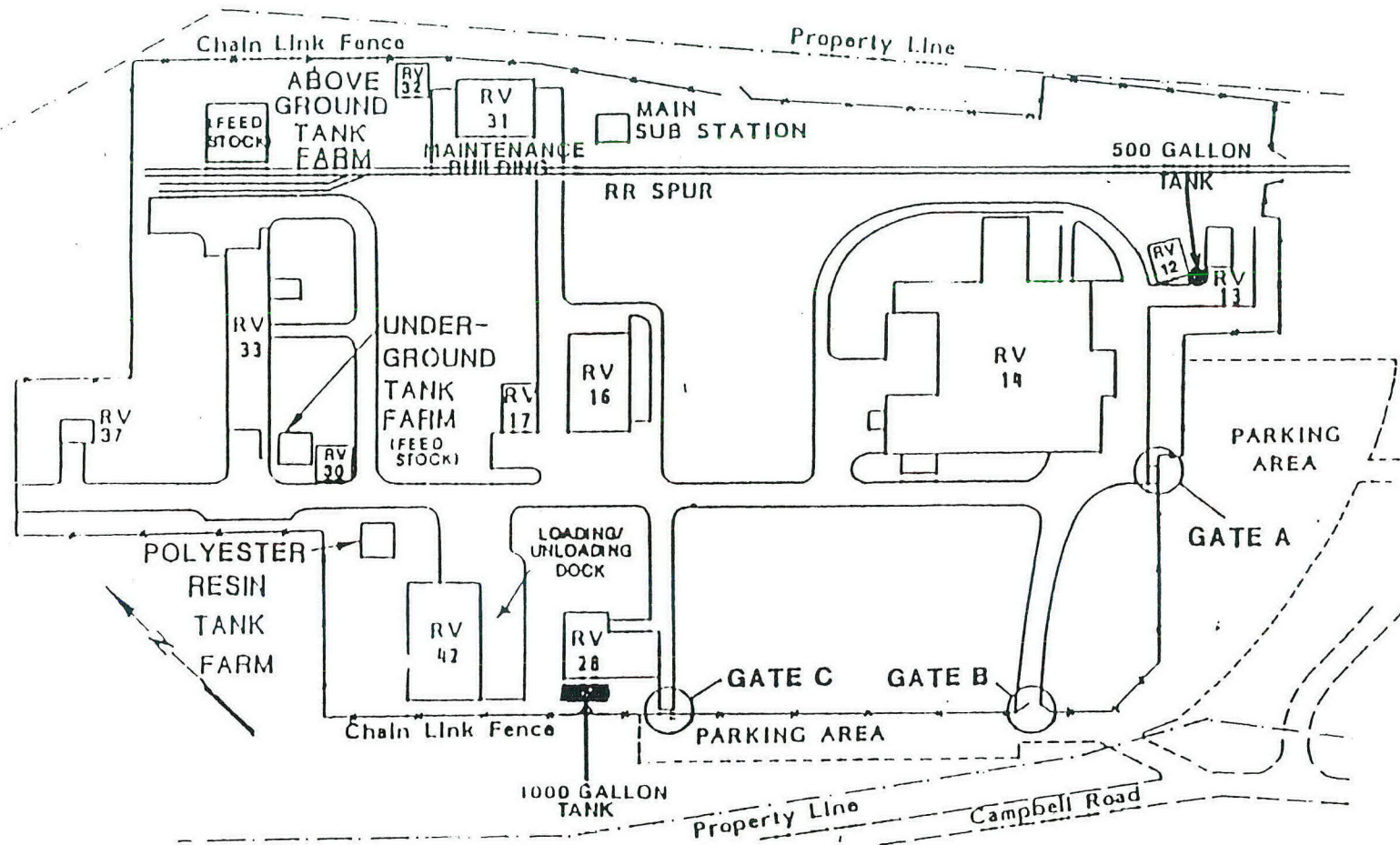


FIGURE 2



McLAREN/HART
ENVIRONMENTAL ENGINEERING CORPORATION
28 Madison Avenue Extension
Albany, NY 12203

SITE MAP
VONROLL ISOLA, USA

NO. 7101005 - 7/84

3.0 SCOPE OF WORK

3.1 UNDERGROUND STORAGE TANK

Work at the VRI Facility began on August 3, 1998 at the 10,000 gallon UST area. All site work was performed by MC Environmental of Glen Falls, NY. The UST acted as an overflow for the caustic tank located in Building RV-14, which was connected via a 2 ½ inch pipe that ran underneath the building foundation.

The 10,000 gallon UST was reportedly cleaned when it was previously taken out of service. When the tank was opened it contained a dried mica sludge from a valve that was left open inside Building RV-14. The UST had no other associated fill pipes. The dimensions of the tank were 10.5 feet round and 15.67 feet long and was composed of $\frac{3}{8}$ inch steel. The tank showed no pitting or excessive oxidation.

The tank was removed from the excavation and placed in a secure area to be cut and cleaned. Two holes were cut into either end of the tank, the mica sludge was removed and drummed and the interior of the tank was cleaned with a high power pressure washer. The UST was trucked off site for ultimate destruction at NH Kelman, Inc. in Cohoes, New York. The scrap receipt can be found in Appendix B

No personnel were permitted in the excavation due to the inability to properly slope the sidewalls. Stability of the sidewalls was not obtained due to their proximity to the building foundation, fence, and water and natural gas mains that bordered the four sides of the excavation. The excavated soil was field screened for volatile organics using an OVM 580 B (OVM) Photoionization Detector (PID). Soil samples were taken from the excavation using the bucket of the backhoe. Three samples were taken from the excavation, placed in laboratory clean bottles then sent to Adirondack Labs for pH analysis. Adirondack Labs is a NYSDEC certified laboratory. Two of the samples were taken from the excavation floor and

one from the sidewall. Sample locations can be found in Figure 3, and laboratory analysis and OVM results are summarized in Table 3-1.

Table 3-1 UST Soil Sample Results			
Sample	Depth (feet)	OVM (ppm)	pH (std Units)
pH-1	11	ND	7.2
pH-2	11	ND	6.5
PH-3	10	ND	7.6

ND- Non Detect

ppm- parts per million

The soil samples analysis were expedited immediately in order for the UST excavation to be backfilled as soon as possible. The excavation was filled in on August 4, 1998. Backfill material was taken from the earthen berm surrounding the 25,000 gallon AST. The soil from the berm area was screened using the OVM, composited and sent to Adirondack Labs for an EPA 8260 volatile organic scan, which includes styrene. The Volatile Organic Scan is added together to achieve Total Volatile Organics (TVO's) The berm area soil sample results can be found in Table 3-2. OVM readings and locations can be found in Figure 4. Approximately 10-12 yards of soil were taken from the berm area to backfill the 10,000 gallon UST excavation.

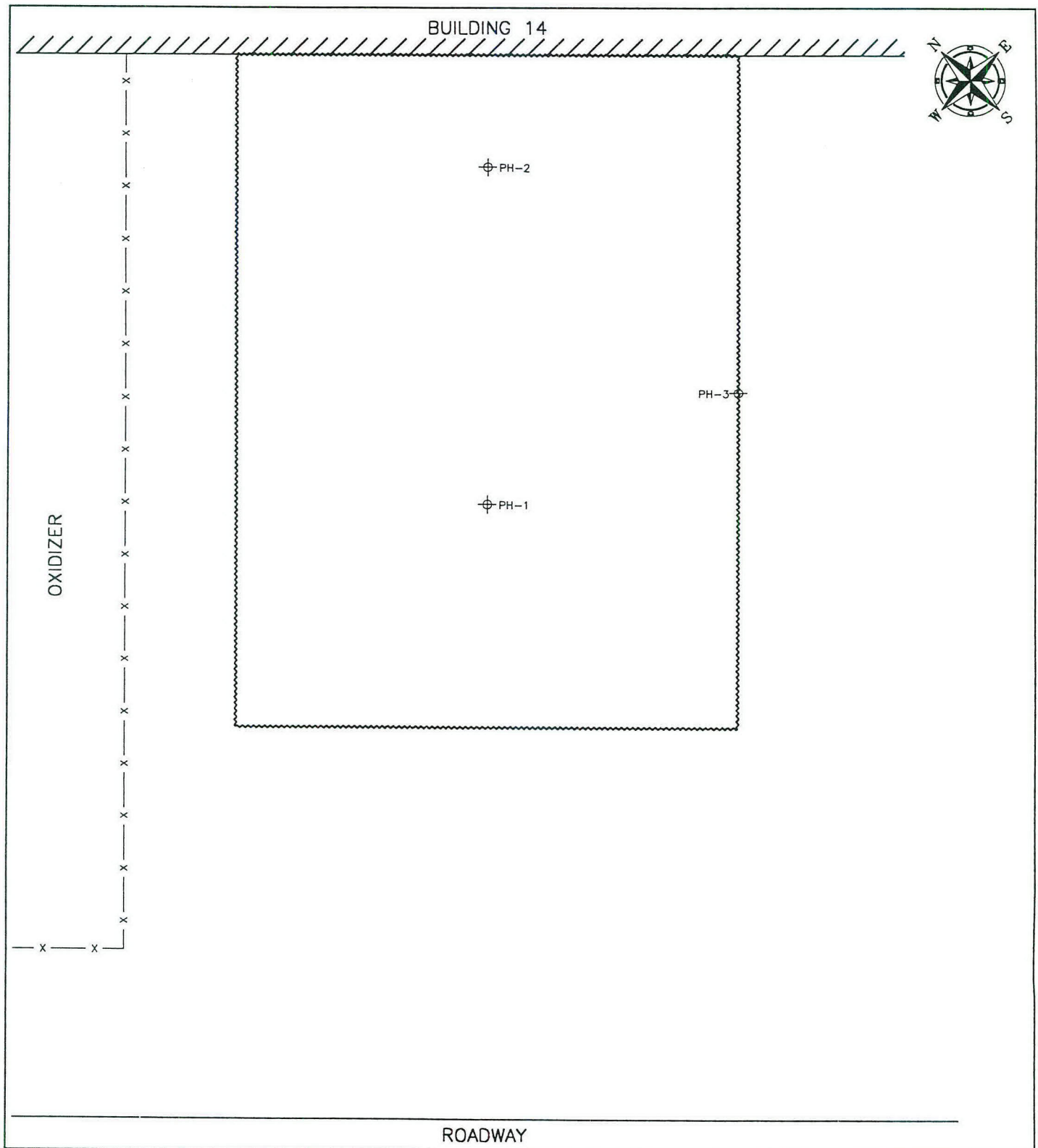
Table 3-2 Berm Area Composite Samples		
Sample	OVM (ppm)	TVO's (ppb)
B-1	1.9	ND
B-2	.8	ND
B-3	1.2	ND

ND - Non Detectable

ppm - parts per million

TVO's - Total Volatile Organics

ppb - parts per billion



LEGEND

-  PH-1 SAMPLE LOCATION
-  LIMITS OF EXCAVATION
-  FENCELINE

SCALE



FIGURE 3

SAMPLE LOCATION MAP

VONROLL ISOLA, USA
SCHENECTADY, NEW YORK



DRWN: J.R.F.

CHK'D: T.D.

SCALE: AS SHOWN

DATE: 09/10/98

3.2 ETHYLENE GLYCOL HEATING SYSTEM

Before work could begin on the AST, the ethylene glycol (EG) heating system needed to be drained and dismantled. MC Environmental disconnected the product lines inside the mechanical shed and removed 25-30 gallons of ethylene glycol from the system. The EG piping was fiberglass insulated, aluminum jacketed, and mounted above ground. A heating coil was located in either end of the AST to help heat the resin material. Since the EG piping was aboveground and protected, the integrity of the system was excellent.

A soil sample was taken adjacent to the southwest corner of the EG shed to be analyzed under EPA Method 8270 Base Neutral Scan2 (BN) with tentatively identified compounds including ethylene glycol. The soil sample was taken from this location because the return and supply piping exited from this corner of the shed and the location appeared to be topographically downgradient. The EG heating system soil sample PL-2 and OVM results can be found in Table 3-3. Sample location can be found in Figure 4

Table 3-3			
Ethylene Glycol Soil Sample			
Sample	Depth (feet)	OVM (ppm)	BN (ppb)
PL-2	0.5	ND	ND

ND - Non Detectable

ppm - parts per million

BN - Base Neutrals

ppb - parts per billion

3.3 ABOVEGROUND STORAGE TANK

Demolition and cleaning of the AST began on August 5, 1998. Approximately 4 to 6 inches of a solidified-rubbery sludge remained in the tank and was shoveled into drums. The tank was then cleaned using ARMEX. ARMEX is a pneumatic blasting machine that uses baking soda as the abrasive material for removing any foreign material from the steel. The AST was cut to render it unusable and trucked offsite for ultimate destruction at NH Kelman, Inc. The scrap receipt can be found in Appendix B. The sludge and material used to clean the tank were disposed of offsite by VRI. A soil sample was taken underneath the centerline of the tank to check for any overfills. Analytical results are in Appendix B and summarized in Table 3-4.

The removal of the underground piping began on August 17, 1998 along with the associated piping from the pump house to Buildings RV-42 and RV-33. The pipeline running to Building RV-42 consists of four 4" Schedule 80 pipes. All the joints in the pipeline were welded and the pipe was in a duct bank containing a white powdery substance, Protexulate, which acted as a thermal insulator and a corrosion inhibitor. All of the underground piping associated with the Minebolt Resin tank was contained in this material, which helped maintain the integrity of the piping system. Three of the pipes contained a hardened rubbery resin material, while the fourth pipe appeared to be clean and not utilized during the period of operation. All resin containing piping was cut up and containerized for offsite disposal. Two of the four lines stub up on the west side of the pump house and the other two on the east side. The two pipes on the west side of the pump house appeared to have resin impacted soils surrounding them. Approximately 4 to 5 tons of soil were excavated from around these pipes to capture any release that may have occurred. The extent of the soil excavation was based on the visual appearance of the soil and the OVM readings. MC Environmental excavated to a depth of 6.67 feet from present grade and a bottom post-excavation sample (PL-5) was taken. VRI notified NYSDEC of the release and NYSDEC spill number 9806283 was assigned. NYSDEC

asked for a sidewall sample to be collected from the excavation. A sidewall sample (PL-7) was taken 6 inches from the bottom of the excavation. Analytical laboratory results and OVM readings are summarized in Table 3-4.

Approximately a half ton of resin impacted soil surrounding the pipeline that stubbed up next to the Building RV-42 was excavated and drummed for disposal. A post-excavation soil sample (PL-3) was taken from the bottom of the trench. The pipe going to the remote fill station from the pump house was 3 inches in diameter and contained a small amount of a black liquid resin. The 4 inch pipe going from the pump house to Building RV-33 was cut and removed as far as physically possible. The remaining pipe under the road was capped with concrete at both ends, adjacent to the remote fill station and next Building RV- 33. This 4 inch pipe contained hardened resin and was abandoned in place due to the numerous utilities that were present. All soil sample locations associated with the Minebolt Resin tank removal can be found in Figure 4. Laboratory analysis summary and OVM readings can be found in Table 3-4.

Table 3-4 AST Soil Sample Results			
Sample	Depth (feet)	OVM (ppm)	TVO's (ppb)
PL-1	1	ND	ND
PL-3	8	3	ND
PL-4	8	ND	ND
PL-5	6.67	2	ND
PL-6	8	ND	ND
PL-7	6	1.5	5

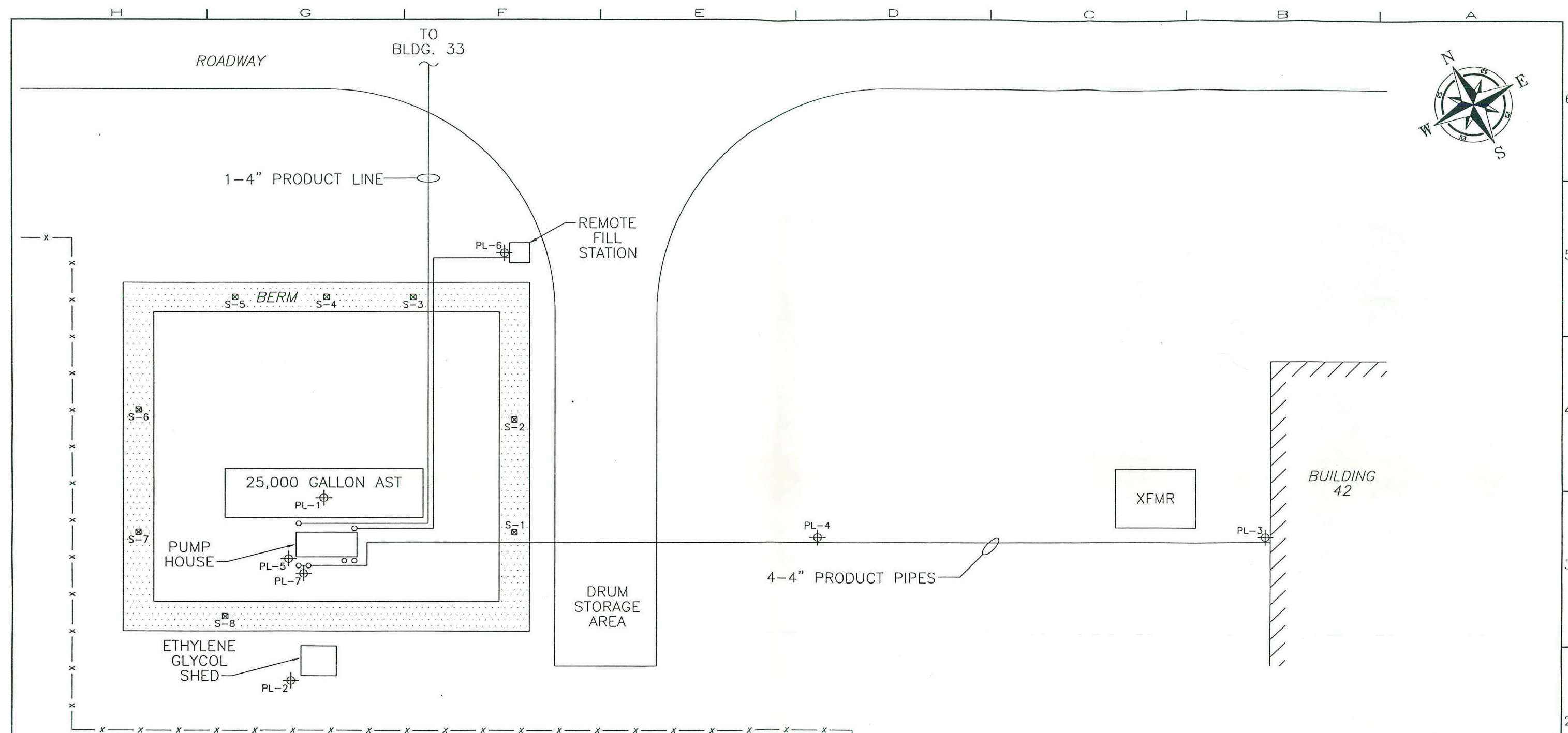
ND- Non Detectable

ppm - parts per million

TVO's - Total Volatile Organics

ppb- parts per billion

Which includes Styrene



OVM RESULTS		
SAMPLE #	POINT	ppm
B-1	S-1	2.3
	S-2	1.6
	S-3	1.2
B-2	S-4	ND
	S-5	1.4
B-3	S-6	1.2
	S-7	1.2
	S-8	1.2

LEGEND

⊕ PH-1 SOIL SAMPLE LOCATION

⊠ S-1 OVM SAMPLE LOCATION

— x — x — FENCELINE

SCALE

20 0 20 FEET

FIGURE 4

SAMPLE LOCATION MAP

VONROLL ISOLA, USA
SCHENECTADY, NEW YORK

**McClaren[®]
Hart[®] INC.**

DRWN: J.R.F.	CHK'D: T.D.
SCALE: AS SHOWN	DATE: 09/10/98

DWG: 73000103 09/22/98

4.0 SUMMARY

McLaren/Hart, Inc. supervised the removal and demolition of a 10,000 gallon UST that contained a dried mica-flake-caustic mixture and the 25,000 gallon Minebolt Resin AST and their associated appurtenances. The job began on August 3, 1998 and concluded August 20, 1998. Since VRI is a large quantity generator of hazardous waste, all drummed waste; i.e. tank bottoms, ethylene glycol, resin piping and soils remained under VRI responsibility at their site for disposal. The Disposal Manifest can be found in Appendix C for the hazardous waste portion of the project.

Soil samples from both tank removals showed no signs of contamination except for 5 ppb of styrene found in sample PL-7. Sample PL-7 was the sidewall sample taken from the pump house area that NYSDEC had requested. Based on the findings of this site investigation McLaren/ Hart, recommends that the New York State Department of Environmental Conservation close Spill Number 9806283 associated with the Minebolt Resin AST, and that no further action be taken pursuant to this matter.



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LABORATORY REPORT

for

Von Roll Isola
1 West Campbell Road
Schenectady, NY 12306

Attention: Al Drake

PJ:054472-00
Project Name: VRI

Report date: 08/C4/98
Number of samples analyzed: 3
AES Project ID: 980803AA
Invoice #: 190334

ELAP ID#: 10709

AIHA ID#: 7866
Page i



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CLIENT: Von Roll Isola

CLIENT'S SAMPLE ID: pH-1

AES sample #: 980803AA01

Date Sampled: 08/03/98

Date sample received: 08/04/98

Samples taken by: T. DeMichele Location: VRI, NY

MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
pH	EPA-9045	7.2	su	LS-Q-2	08/04/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: pH-2
AES sample #: 980803AA02

Date Sampled: 08/03/98
Date sample received: 08/04/98
Samples taken by: T. DeMichele Location: VRI, NY
MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
pH	EPA-9045	6.5	su	LS-Q-2	08/04/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: pH-3
AES sample #: 980803AA03

Date Sampled: 08/03/98
Date sample received: 08/04/98
Samples taken by: T. DeMichele Location: VRI, NY
MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
pH	EPA-9045	7.6	su	LS-Q-2	08/04/98

APPROVED BY: Lara [Signature]
Report date: 08/04/98



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LABORATORY REPORT

for

Von Roll Isola
1 West Campbell Road
Schenectady, NY 12306

Attention: Al Drake

PJ:054472-00
Project Name: VRI

Report date: 08/05/98
Number of samples analyzed: 3
AES Project ID: 980803 Y
Invoice #: 190329

ELAP ID#: 10709

AIHA ID#: 7866
Page 1



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: B-1
AES sample #: 980803 Y01

Date Sampled: 08/03/98
Date sample received: 08/03/98
Samples taken by: T. DeMichele Location: VRY, NY
MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chloromethane	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Bromomethane	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Vinyl Chloride	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Chloroethane	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Methylene Chloride	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Trichlorofluoromethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1-Dichloroethene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1-Dichloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,2-Dichloroethene Total	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Chloroform	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,2-Dichloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1,1-Trichloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Carbon Tetrachloride	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Bromodichloromethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,2-Dichloropropane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
trans-1,3-Dichloropropene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Trichloroethene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Benzene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Dibromochloromethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1,2-Trichloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: B-1
AES sample #: 980803 Y01

Date Sampled: 08/03/98
Date sample received: 08/03/98
Samples taken by: T. DeMichele Location: VRY, NY
MATRIX: Soil grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
cis-1,3-Dichloropropene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
2-Chloroethylvinylether	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Bromoform	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1,2,2-Tetrachloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Tetrachloroethene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Toluene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Chlorobenzene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Ethylbenzene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Xylenes, Total	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Styrene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: B-2
AES sample #: 980803 YO2

Date Sampled: 08/03/98
Date sample received: 08/03/98
Samples taken by: T. DeMichele Location: VRY, NY
MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chloromethane	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Bromomethane	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Vinyl Chloride	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Chloroethane	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Methylene Chloride	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Trichlorofluoromethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1-Dichloroethene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1-Dichloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,2-Dichloroethene Total	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Chloroform	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,2-Dichloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1,1-Trichloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Carbon Tetrachloride	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Bromodichloromethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,2-Dichloropropane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
trans-1,3-Dichloropropene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Trichloroethene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Benzene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Dibromochloromethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1,2-Trichloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: B-2
AES sample #: 980303 Y02

Date Sampled: 08/03/98
Date sample received: 08/03/98
Samples taken by: T. DeMichele Location: VRY, NY
MATRIX: Soil grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
cis-1,3-Dichloropropene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
2-Chloroethylvinylether	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Bromoform	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1,2,2-Tetrachloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Tetrachloroethene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Toluene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Chlorobenzene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Ethylbenzene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Xylenes, Total	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Styrene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: B-3
AES sample #: 980803 Y03

Date Sampled: 08/03/98
Date sample received: 08/03/98
Samples taken by: T. DeMichele Location: VRY, NY
MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chloromethane	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Bromomethane	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Vinyl Chloride	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Chloroethane	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Methylene Chloride	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Trichlorofluoromethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1-Dichloroethene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1-Dichloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,2-Dichloroethene Total	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Chloroform	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,2-Dichloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1,1-Trichloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Carbon Tetrachloride	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Bromodichloromethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,2-Dichloropropane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
trans-1,3-Dichloropropene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Trichloroethene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Benzene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Dibromochloromethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1,2-Trichloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: B-3
AES sample #: 980803 Y03

Date Sampled: 08/03/98

Date sample received: 08/03/98

Samples taken by: T. DeMichele Location: VRY, NY
MATRIX: Soil grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
cis-1,3-Dichloropropene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
2-Chloroethylvinylether	EPA-8260	<100	ug/kg	MG-BQ-47	08/03/98
Bromoform	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
1,1,2,2-Tetrachloroethane	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Tetrachloroethene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Toluene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Chlorobenzene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Ethylbenzene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Ylenes, Total	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98
Styrene	EPA-8260	<50	ug/kg	MG-BQ-47	08/03/98

APPROVED BY: 

Report date: 08/05/98

FIGURE 3



CHAIN OF CUSTODY RECORD

SEE SIDE 2 FOR
COMPLETE
INSTRUCTIONS

Ship To: <u>FW VRI</u> Address: <u>1 West Campbell Rd</u> <u>Schenectady N.Y. 12306</u> <u>Attn: Al Drake</u>		Project Name: <u>VRI</u> Project Number: <u>054472-00</u> Project Location: (State) <u>N.Y.</u>		FOR LABORATORY USE ONLY Laboratory Project #: _____ Storage Refrigerator ID: _____ Storage Freezer ID: _____							
Sampler Name: <u>Tom Derlich</u> Relinquished By: <u>Tom Derlich</u> Relinquished By: <u>Don Mc</u> Relinquished By: <u>[Signature]</u>		Signature: <u>[Signature]</u> Date/Time: <u>8/3/98</u> Date/Time: <u>8/3/98</u> Date/Time: _____		PPE Worn in Field: <u>Level D</u> Received By or Method of Shipment/shipment I.D. <u>8/3/98 1154</u> Received By or Method of Shipment/shipment I.D. <u>8/3/98 100</u> Received By or Method of Shipment/shipment I.D. <u>8/3/98 13:00</u> Received By or Method of Shipment/shipment I.D. <u>8/3/98 251</u>							
Sample Disposal (check one) ☐ Laboratory Standard ☐ Other		Level of QC (see Side 2) ☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 7		Write in Analysis Method →							
ANALYSES REQUESTED											
SAMPLE INFORMATION											
FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description Locator Depth	Container(s) # Type	Matrix Type	Pres. Type	TAT	8/3/98 1154		
1	80805 Y01	B-1	8-3-98 1105	A57	1 500ml	Soil	None	24 hr	8/3/98 1154 8/3/98 100 8/3/98 13:00 8/3/98 251		
2	Y02	B-2	1150	↓	1 ↓	↓	↓	↓			
3	Y03	B-3	1142	↓	1 ↓	↓	↓	↓			
4											
5											
6											
7											
8											
9											
10											
Special Instructions/Comments: <u>24 Hour TAT</u>						Container Types: A=1 Liter Amber C=Cassette G=Glass Jar O=Other TAT-(Analytical Turn Around Time) 1 = 24 hours 2 = 48 hours 3 = 1 week 4 = 2 weeks V=Voa Vial 0 = Other					
FOR LABORATORY USE ONLY Sample Condition Upon Receipt: _____						SEND DOCUMENTATION AND RESULTS TO (Check one): ☐ Project Manager/Office: ☒ Client Name: <u>AL DRAKE</u> Company: <u>VRI</u> Address: <u>1 West Campbell Rd</u> <u>Schenectady N.Y. 12306</u>					

Common
Analytical
Methods

413.1
413.2
418.1
418.1 Short Method
420.1
502.2
800E
824.2
801
802
804
808
810
824
825
8010
8015
8015 Mod.
8030
8021
8040
8080
8100
8240
8270
8310
Alkalinity
BTEX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Cyanide
Flashpoint
Fluoride
General Mineral
Hew. Chromium
Ion Balance
Metals (see specific
metal & method #)
Metals 8010
Metals PP
Metals TSS 22
TLC Level
SILC Level
(see Side 2)

Nitrate
Nitrite
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfide
TCLP:
VOA
Semi-volatile
Metals
Pesticide

TDS
Total Hardness
Total Solids
TPH40
TPH43
TSS
Toxicity

* Specify Total or Dissolved



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LABORATORY REPORT

for

Von Roll Isola
1 West Campbell Road
Schenectady, NY 12306

Attention: Al Drake

PJ:054472-00

Report date: 08/13/98
Number of samples analyzed: 1
AES Project ID: 960812AI
Invoice #: 190668

ELAP ID#: 10709

AIHA ID#: 7866
Page 1



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-1
AES sample #: 980812AIO1

Date Sampled: 08/11/98
Date sample received: 08/12/98
Samples taken by: C.Schneider Location: VRI
MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chloromethane	EPA-8260	<10	ug/kg	MG-BQ-49	08/12/98
Bromomethane	EPA-8260	<10	ug/kg	MG-BQ-49	08/12/98
Vinyl Chloride	EPA-8260	<10	ug/kg	MG-BQ-49	08/12/98
Chloroethane	EPA-8260	<10	ug/kg	MG-BQ-49	08/12/98
Methylene Chloride	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Trichlorofluoromethane	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
1,1-Dichloroethene	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
1,1-Dichloroethane	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
1,2-Dichloroethene Total	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Chloroform	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
1,2-Dichloroethane	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
1,1,1-Trichloroethane	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Carbon Tetrachloride	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Bromodichloromethane	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
1,2-Dichloropropane	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
trans-1,3-Dichloropropene	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Trichloroethene	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Benzene	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Dibromochloromethane	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
1,1,2-Trichloroethane	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-1
AES sample #: 980812AIO1

Date Sampled: 08/11/98

Date sample received: 08/12/98

Samples taken by: C. Schneider
MATRIX: Soil
Location: VRI
grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
cis-1,3-Dichloropropene	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
2-Chloroethylvinylether	EPA-8260	<10	ug/kg	MG-BQ-49	08/12/98
Bromoform	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
1,1,2,2-Tetrachloroethane	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Tetrachloroethene	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Toluene	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Chlorobenzene	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Ethylbenzene	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Ylenes, Total	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98
Styrene	EPA-8260	<5	ug/kg	MG-BQ-49	08/12/98

APPROVED BY: Christopher H. K.
Report date: 08/13/98

FIGURE 3



CHAIN OF CUSTODY RECORD

SEE SIDE 2 FOR
COMPLETE
INSTRUCTIONS

Ship To: VRI
Address: 1 W. Campbell Rd
Schenectady NY 12306
ATTN: AL DRAKE

Project Name: VRI
Project Number: 054472-00
Project Location: (State) NY

FOR LABORATORY USE ONLY

Laboratory Project #: _____
Storage Refrigerator ID: _____
Storage Freezer ID: _____

Sampler Name: CHARLES SCHNEIDER Signature: [Signature] PPE Worn in Field: LD
Relinquished By: [Signature] Date/Time: 8/11/98 1500 Received By or Method of Shipment/Shipments LD: Don Miller Date/Time: 8/11/98 Refrigerated
Relinquished By: [Signature] Date/Time: 8/12/98 1100 Received By or Method of Shipment/Shipments LD: [Signature] Date/Time: 8/12/98 1100
Relinquished By: _____ Date/Time: _____ Received By or Method of Shipment/Shipments LD: [Signature] Date/Time: 8/14/98 1:00

Sample Disposal
(check one)

- ☐ Laboratory Standard
☐ Other

Level of QC
(see Side 2)

- ☐ 1 ☐ 2 ☐ 3 ☐ 4
☐ 5 ☐ 6 ☐ 7

Write in
Analysis Method →

SAMPLE INFORMATION

FOR LABORATORY USE ONLY Lab ID	Sample ID Number	Date	Time	Description		Container(s)		Matrix Type	Pres. Type	TAT	ANALYSES REQUESTED									
				Locator	Depth	#	Type													
1	980812 A101	8/11	1445	AST	4.0'	1	LR	5012	N/A	24hr	EPA 822-G									
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				

Special Instructions/Comments: 24 HR TAT

Container Types: A=1 Liter Amber TAT (Analytical Turn Around Time)
B=Brass Tube C=Cassette 1 = 24 hours 2 = 48 hours
G=Glass Jar P=Polyethylene 3 = 1 week 4 = 2 weeks
O=Other V=Vial 0 = Other

FOR LABORATORY USE ONLY Sample Condition Upon Receipt: _____

SEND DOCUMENTATION AND RESULTS TO (Check one):

☐ Project Manager/Office: _____
☒ Client Name: AL DRAKE
Company: VRI
Address: 1 W. Campbell Rd
Schenectady NY 12306

Common
Analytical
Methods

413.1
413.2
418.1
418.1 Short Method
420.1
502.2
500E
524.2
801
802
804
808
810
824
825
8010
8015
8015 Mod.
8020
8021
8040
8080
8100
8240
8270
8310
Asbestos
BTX
Chloride
CLP (see Side 2)
COD
Color
Conductivity
Cyanide
Flashpoint
Fluoride
General Mineral
Heu. Chromium
Ion Balance
Metals (write specific
metal & method #)
Metals 8010
Metals PP
Metals TSS 22
TLC Level
STLC Level
(see Side 2)
Nitrate
Nitrite
Org. Lead
Org. Mercury
Percent Moisture
Percent Solid
Perchlorate
pH
Phosphates
Phosphorus
Sulfate
Sulfide
TCLP:
VOA
Semi-vol
Metals
Pesticide
TDS
Total Hardness
Total Solids
TPH40
TPH43
TSS
Turbidity

* Specify Total or Dissolved



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LABORATORY REPORT

for

Von Roll Isola
1 West Campbell Road
Schenectady, NY 12306

Attention: Donna Mellon

Purchase Order #: 054472-00

Report date: 08/21/98

Number of samples analyzed: 7

AES Project ID: 98082CBH

Invoice #: 191022

ELAP ID#: 10709

AIHA ID#: 7866

Page

1



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-2
AES sample #: 980820BH01

Date Sampled: 08/20/98
Date sample received: 08/21/98
Samples taken by: T.DeMichele Location: Storage Trnk Rmv
MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTES/REF</u>	<u>TEST DATE</u>
Acenaphthene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Acenaphthylene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Anthracene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Benzo(a)anthracene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Benzo(b)fluoranthene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Benzo(k)fluoranthene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Benzo(g,h,i)perylene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Benzo(a)pyrene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Benzenidine	EPA-8270	<2600	ug/kg	MT-BR-2	08/21/98
Butylbenzylphthalate	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Bis(2-Chloroethoxy)methane	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Bis(2-Chloroethyl)ether	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Bis(2-Chloroisopropyl)ether	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Bis(2-Ethylhexyl)phthalate	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Bromophenylphenyl ether	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
2-Chloronaphthalene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Chlorophenylphenyl ether	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Chrysene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Dibenzo(a,h)anthracene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Di-n-butylphthalate	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-2
AES sample #: 98082OBH01

Date Sampled: 08/20/98
Date sample received: 08/21/98
Samples taken by: T.DeMichele Location: Storage Tnk Rm
MATRIX: Soil grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
1,2-Dichlorobenzene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
1,3-Dichlorobenzene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
1,4-Dichlorobenzene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
3,3'-Dichlorobenzidine	EPA-8270	<660	ug/kg	MT-BR-2	08/21/98
Diethylphthalate	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Dimethylphthalate	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
2,4-Dinitrotoluene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
2,6-Dinitrotoluene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Di-n-octylphthalate	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Fluoranthene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Fluorene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Hexachlorobenzene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Hexachlorobutadiene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Hexachlorocyclopentadiene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Hexachloroethane	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Indeno(1,2,3-cd)pyrene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Isophorone	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Naphthalene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Nitrobenzene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
N-Nitroso-di-n-propylamine	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-2
AES sample #: 98082CBH01

Date Sampled: 08/20/98

Date sample received: 08/21/98

Samples taken by: T.DeMichele Location: Storage Trnk Rmv
MATRIX: Soil grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
N-Nitrosodiphenylamine	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
N-Nitrosodimethylamine	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
1,2 Diphenylhydrazine	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Phenanthrene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Pyrene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
1,2,4-Trichlorobenzene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
4-Chloro-3-methylphenol	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
2-Chlorophenol	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
2,4-Dichlorophenol	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
2,4-Dimethylphenol	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
2,4-Dinitrophenol	EPA-8270	<1600	ug/kg	MT-BR-2	08/21/98
4,6-Dinitro-2-Methylphenol	EPA-8270	<1600	ug/kg	MT-BR-2	08/21/98
4-Nitrophenol	EPA-8270	<1600	ug/kg	MT-BR-2	08/21/98
2-Nitrophenol	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Pentachlorophenol	EPA-8270	<1600	ug/kg	MT-BR-2	08/21/98
Phenol	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
2,4,6-Trichlorophenol	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
2-Methylnaphthalene	EPA-8270	<330	ug/kg	MT-BR-2	08/21/98
Ethylene Glycol	GC	<10	ug/g	TN-MIS-E33	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-3
AES sample #: 980820BH02

Date Sampled: 08/20/98
Date sample received: 08/21/98
Samples taken by: T.DeMichele Location: Storage Tank Rmrv
MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chloromethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Bromomethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Vinyl Chloride	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Chloroethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Methylene Chloride	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Trichlorofluoromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1-Dichloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1-Dichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloroethene Total	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Chloroform	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,1-Trichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Carbon Tetrachloride	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Bromodichloromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloropropane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
trans-1,3-Dichloropropene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Trichloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Benzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Dibromochloromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,2-Trichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-3
AES sample #: 980820BHO2

Date Sampled: 08/20/98

Date sample received: 08/21/98

Samples taken by: T.DeMichele Location: Storage Tnk Rmv
MATRIX: Soil grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
cis-1,3-Dichloropropene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
2-Chloroethylvinylether	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Bromoform	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,2,2-Tetrachloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Tetrachloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Toluene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Chlorobenzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Ethylbenzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Xylenes, Total	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Styrene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-4
AES sample #: 980820BH03

Date Sampled: 08/20/98
Date sample received: 08/21/98
Samples taken by: T.DeMichele
Location: Storage Tnk Rm
MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chloromethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Bromomethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Vinyl Chloride	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Chloroethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Methylene Chloride	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Trichlorofluoromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1-Dichloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1-Dichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloroethene Total	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Chloroform	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,1-Trichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Carbon Tetrachloride	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Bromodichloromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloropropane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
trans-1,3-Dichloropropene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Trichloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Benzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Dibromochloromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,2-Trichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-4
AES sample #: 980820BHC3

Date Sampled: 08/20/98

Date sample received: 08/21/98

Samples taken by: T.DeMichele Location: Storage Tnk Rm
MATRIX: Soil grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
cis-1,3-Dichloropropene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
2-Chloroethylvinylether	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Bromoform	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,2,2-Tetrachloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Tetrachloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Toluene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Chlorobenzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Ethylbenzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Nylenes, Total	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Styrene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-5
AES sample #: 980820BH04

Date Sampled: 08/20/98
Date sample received: 08/21/98
Samples taken by: T.DeMichele Location: Storage Tnk Rmv
MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chloromethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Bromomethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Vinyl Chloride	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Chloroethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Methylene Chloride	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Trichlorofluoromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1-Dichloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1-Dichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloroethene Total	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Chloroform	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,1-Trichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Carbon Tetrachloride	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Bromodichloromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloropropane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
trans-1,3-Dichloropropene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Trichloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Benzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Dibromochloromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,2-Trichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-5
AES sample #: 980820BH04

Date Sampled: 08/20/98
Date sample received: 08/21/98
Samples taken by: T.DeMichele Location: Storage Tnk Rmv
MATRIX: Soil grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
cis-1,3-Dichloropropene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
2-Chloroethylvinylether	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Bromoform	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,2,2-Tetrachloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Tetrachloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Toluene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Chlorobenzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Ethylbenzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Xylenes, Total	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Styrene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-6
AES sample #: 980820BH05

Date Sampled: 08/20/98
Date sample received: 08/21/98
Samples taken by: T.DeMichele Location: Storage Trk Rm
MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chloromethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Bromomethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Vinyl Chloride	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Chloroethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Methylene Chloride	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Trichlorofluoromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1-Dichloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1-Dichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloroethene Total	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Chloroform	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,1-Trichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Carbon Tetrachloride	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Bromodichloromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloropropane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
trans-1,3-Dichloropropene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Trichloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Benzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Dibromochloromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,2-Trichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-6
AES sample #: 980820BH05

Date Sampled: 08/20/98
Date sample received: 08/21/98
Samples taken by: T.DeMichele Location: Storage Tnk Rmv
MATRIX: Soil grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
cis-1,3-Dichloropropene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
2-Chloroethylvinylether	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Bromoform	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,2,2-Tetrachloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Tetrachloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Toluene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Chlorobenzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Ethylbenzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Ylenes, Total	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Styrene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-7
AES sample #: 980820BHO6

Date Sampled: 08/20/98
Date sample received: 08/21/98
Samples taken by: T.DeMichele Location: Storage Tnk Rm v
MATRIX: Soil grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chloromethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Bromomethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Vinyl Chloride	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Chloroethane	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Methylene Chloride	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Trichlorofluoromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1-Dichloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1-Dichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloroethene Total	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Chloroform	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,1-Trichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Carbon Tetrachloride	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Bromodichloromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,2-Dichloropropane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
trans-1,3-Dichloropropene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Trichloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Benzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Dibromochloromethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,2-Trichloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: PL-7
AES sample #: 980820BH06

Date Sampled: 08/20/98

Date sample received: 08/21/98

Samples taken by: T.DeMichele Location: Storage Tnk Rmv
MATRIX: Soil grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTESK REF</u>	<u>TEST DATE</u>
cis-1,3-Dichloropropene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
2-Chloroethylvinylether	EPA-8260	<10	ug/kg	MT-BR-1	08/21/98
Bromoform	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
1,1,2,2-Tetrachloroethane	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Tetrachloroethene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Toluene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Chlorobenzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Ethylbenzene	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Xylenes, Total	EPA-8260	<5	ug/kg	MT-BR-1	08/21/98
Styrene	EPA-8260	5	ug/kg	MT-BR-1	08/21/98



Experience is the solution

314 North Pearl Street • Albany, New York 12207 • 800-848-4983 • (518) 434-4546 • Fax (518) 434-0891

CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: Field Blank

AES sample #: 980820BH07

Samples taken by: T.DeMichele
MATRIX: Water

Date Sampled: 08/20/98

Date sample received: 08/21/98

Location: Storage Tnk Rm v
grab

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Chloromethane	EPA-8260	<10	ug/l	MT-BR-1	08/21/98
Bromomethane	EPA-8260	<10	ug/l	MT-BR-1	08/21/98
Vinyl Chloride	EPA-8260	<10	ug/l	MT-BR-1	08/21/98
Chloroethane	EPA-8260	<10	ug/l	MT-BR-1	08/21/98
Methylene Chloride	EPA-8260	37	ug/l	MT-BR-1	08/21/98
Trichlorofluoromethane	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
1,1-Dichloroethene	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
1,1-Dichloroethane	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
1,2-Dichloroethene Total	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
Chloroform	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
1,2-Dichloroethane	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
1,1,1-Trichloroethane	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
Carbon Tetrachloride	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
Bromodichloromethane	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
1,2-Dichloropropane	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
trans-1,3-Dichloropropene	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
Trichloroethene	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
Benzene	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
Dibromochloromethane	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
1,1,2-Trichloroethane	EPA-8260	<5	ug/l	MT-BR-1	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: Field Blank

Date Sampled: 08/20/98

Date sample received: 08/21/98

AES sample #: 980820BH07

Samples taken by: T.DeMichele

Location: Storage Tank Rmrv

MATRIX: Water

grab

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
cis-1,3-Dichloropropene	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
2-Chloroethylvinylether	EPA-8260	<10	ug/l	MT-BR-1	08/21/98
Bromoform	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
1,1,2,2-Tetrachloroethane	EPA-8620	<5	ug/l	MT-BR-1	08/21/98
Tetrachloroethene	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
Toluene	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
Chlorobenzene	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
Ethylbenzene	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
Ylenes, Total	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
Styrene	EPA-8260	<5	ug/l	MT-BR-1	08/21/98
Acenaphthene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Acenaphthylene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Anthracene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Benzo(a)anthracene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Benzo(b)fluoranthene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Benzo(k)fluoranthene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Benzo(g,h,i)perylene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Benzo(a)pyrene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Benzidine	EPA-625	<80	ug/l	MT-BR-2	08/21/98
Butylbenzylphthalate	EPA-625	<10	ug/l	MT-BR-2	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: Field Blank

Date Sampled: 08/20/98

Date sample received: 08/21/98

AES sample #: 980820BHC7

Samples taken by: T.DeMichele

Location: Storage Tnk Rm
grab

MATRIX: Water

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Bis(2-Chloroethoxy)methane	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Bis(2-Chloroethyl)ether	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Bis(2-Chloroisopropyl)ether	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Bis(2-Ethylhexyl)phthalate	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Bromophenylphenyl ether	EPA-625	<10	ug/l	MT-BR-2	08/21/98
2-Chloronaphthalene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Chlorophenylphenyl ether	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Chrysene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
benzo(a,h)anthracene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Di-n-butylphthalate	EPA-625	<10	ug/l	MT-BR-2	08/21/98
1,2-Dichlorobenzene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
1,3-Dichlorobenzene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
1,4-Dichlorobenzene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
3,3'-Dichlorobenzidine	EPA-625	<20	ug/l	MT-BR-2	08/21/98
Diethylphthalate	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Dimethylphthalate	EPA-625	<10	ug/l	MT-BR-2	08/21/98
2,4-Dinitrotoluene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
2,6-Dinitrotoluene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Di-n-octylphthalate	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Fluoranthene	EPA-625	<10	ug/l	MT-BR-2	08/21/98



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CLIENT: Von Roll Isola
CLIENT'S SAMPLE ID: Field Blank

Date Sampled: 08/20/98

Date sample received: 08/21/98

AES sample #: 980820BHO7

Samples taken by: T.DeMichele

Location: Storage Tnk Rmrv
grab

MATRIX: Water

continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
Fluorene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Hexachlorobenzene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Hexachlorobutadiene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Hexachlorocyclopentadiene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Hexachloroethane	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Indeno(1,2,3-cd)pyrene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Isophorone	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Naphthalene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Nitrobenzene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
N-Nitroso-di-n-propylamine	EPA-625	<10	ug/l	MT-BR-2	08/21/98
N-Nitrosodiphenylamine	EPA-625	<10	ug/l	MT-BR-2	08/21/98
N-Nitrosodimethylamine	EPA-625	<10	ug/l	MT-BR-2	08/21/98
1,2 Diphenylhydrazine	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Phenanthrene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Pyrene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
1,2,4-Trichlorobenzene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
4-Chloro-3-methylphenol	EPA-625	<10	ug/l	MT-BR-2	08/21/98
2-Chlorophenol	EPA-625	<10	ug/l	MT-BR-2	08/21/98
2,4-Dichlorophenol	EPA-625	<10	ug/l	MT-BR-2	08/21/98
2,4-Dimethylphenol	EPA-625	<10	ug/l	MT-BR-2	08/21/98



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CLIENT: Von Roll Isola

CLIENT'S SAMPLE ID: Field Blank

AES sample #: 980820BHC7

Samples taken by: T.DeMichele

MATRIX: Water

Date Sampled: 08/20/98

Date sample received: 08/21/98

Location: Storage Trnk Rm
grab

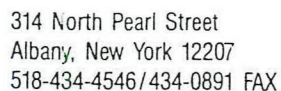
continued:

<u>PARAMETER PERFORMED</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>	<u>NOTEBOOK REF</u>	<u>TEST DATE</u>
2,4-Dinitrophenol	EPA-625	<50	ug/l	MT-BR-2	08/21/98
4,6-Dinitro-2-Methylphenol	EPA-625	<50	ug/l	MT-BR-2	08/21/98
4-Nitrophenol	EPA-625	<50	ug/l	MT-BR-2	08/21/98
2-Nitrophenol	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Pentachlorophenol	EPA-625	<50	ug/l	MT-BR-2	08/21/98
Phenol	EPA-625	<10	ug/l	MT-BR-2	08/21/98
2,4,6-Trichlorophenol	EPA-625	<10	ug/l	MT-BR-2	08/21/98
2-Methylnaphthalene	EPA-625	<10	ug/l	MT-BR-2	08/21/98
Ethylene Glycol	GC	<10	mg/l	TN-MIS-E33	08/21/98

APPROVED BY:

Report date: 08/21/98

Christopher Hess



A full service analytical research laboratory offering solutions to environmental concerns

CHAIN OF CUSTODY RECORD

AES SAMPLE NUMBER	CLIENT SAMPLE IDENTIFICATION & LOCATION	DATE SAMPLED	TIME A=a.m. P=p.m.	SAMPLE TYPE			NUMBER OF CONT'S	ANALYSIS REQUIRED
				MATRIX	COMP	GRAB		
Q80820 BH01	PL-2	8-20-98	1215	A P	ISOL	X	1	8270 + TI
BH02	PL-3	↓	1315	A P	↓	↓	↓	8260
BH03	PL-4	↓	1300	A P	↓	↓	↓	8260
BH04	PL-5	↓	1240	A P	↓	↓	↓	8260 + Stg
BH05	PL-6	↓	1425	A P	↓	↓	↓	8260
BH06	PL-7	↓	1410	A P	↓	↓	↓	8260
BH07	Field Blank	↓	1200	A P	AO	↓	3	625 & 8260
	TRF			A P				
				A P				
				A P				
				A P				
				A P				
				A P				
				A P				
	No Lab Supplied	D.I.		A P				

Turnaround Time: 24 hours 725

Laboratory Approval:

Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature) <i>[Signature]</i>		Date/Time 8/20/98 2:50 pm
Relinquished by: (Signature) <i>[Signature]</i>		Received by: (Signature) <i>[Signature]</i>		Date/Time 8/20/98 4:00 pm
Relinquished by: (Signature)		Received by: (Signature)		Date/Time
Dispatched by: (Signature)		Date/Time	Received for Laboratory by: <i>[Signature]</i>	
Method of Shipment:		Send Report To:		Date/Time 8/20/98 5:05
				Client Phone No.:

The Laboratory reserves the right to return hazardous samples to the client or may levy an appropriate fee per container for disposal.

WHITE - Lab Copy

YELLOW - Sampler Copy

P!NK - Generator Copy

Adirondack Environmental Services, Inc.

B

KELMAN, INC.
41 EUCLID STREET
BOHOS, NEW YORK 12047

PURCHASE ORDER
BUYER:
FRAN
PURCHASE TYPE: 1

#60370

1

09/10/1998

VEND ID:
MISC

MISCELLANEOUS

LINE	ITEM/DESCRIPTION	GROSS LBS	TARE	QTY
001	UN PS UNPREPARED PLATE/STRUCTURAL	35.360.00	25.540.00	98.20 CWT 9.820.00 LBS

35.360.00 GROSS LBS
25.540.00 TARE
9.820.00 NET LBS

N H KELMAN. INC.
41 EUCLID STREET
COHOES. NEW YORK 12047

PURCHASE ORDER
BUYER:
FRAN
PURCHASE TYPE: 1

#59096 1 08/12/1998

VEND ID:
FLACH

FLACH INDUSTRIES INC.

LINE	ITEM/DESCRIPTION	GROSS LBS	TARE	QTY
001	UN FS	24,000.00	0.00	246.00 CWT
	UNPREPARED PLATE/STRUCTURAL			24,000.00 LBS

24,000.00 GROSS LBS
0.00 TARE
24,000.00 NET LBS

STATE OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID & HAZARDOUS MATERIALS

NYG0630729

HAZARDOUS WASTE MANIFEST
P.O. Box 12820, Albany, New York 12212

Please type or print. Do not staple.

(Rev. 3/97)

UNIFORM HAZARDOUS
WASTE MANIFEST

1. Generator's US EPA No.

N Y D O 5 2 9 8 7 0 9 6 0 0 4 0 3

2. Page 1 of

1

Information within heavy bold line
is not required by Federal Law.

3. Generator's Name and Mailing Address

Von Roll Isola USA, Inc.
One West Campbell Road Schenectady, NY 12306

4. Generator's Telephone Number (518) 344-7152 Mr. Allan Drake

5. Transporter 1 (Company Name)

West Central Environmental

6. US EPA ID Number

N Y D O 0 0 0 7 0 8 2 7 1

7. Transporter 2 (Company Name)

8. US EPA ID Number

9. Designated Facility Name and Site Address

Waste Technologies Industries
1250 St. George Street
East Liverpool, OH 43920

10. US EPA ID Number

O H D 9 8 0 6 1 3 5 4 1

11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)

a. RQ Waste Flammable Liquid, N.O.S. (Styrene, Vinyl Toluene)
3 UN1933 IGLI (DOO1) EPC12812. Containers
Number Type

003 D M

13. Total
Quantity

00970

14. Unit
Wt/Vol

P

1. Waste No.

EPA DOO1

STATE

b. RQ Hazardous Waste Solid, N.O.S. (Styrene, Vinyl Toluene)
9 NA3077 IGLI (DOO1) EPC171

061 D M

31618

P

EPA DOO1

STATE

c.

EPA

STATE

d.

EPA

STATE

1. Additional Descriptions for Materials Listed Above

a.

K. Handling Codes for Wastes Listed Above

B

b.

B

15. Special Handling Instructions and Additional Information

11.a. WHI Code IMSN-029

11.b. WHI Code IMSN-030

WCE Job #: 19472-9-98

EMERGENCY CONTACT: AL DRAKE

518-395-3310

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 and state laws and 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 generator, I have made a good faith effort to minimize my waste and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

ALLAN L. DRAKE

Signature

Allan Drake

Mo.

Day

Year

10/9/15/98

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

STEPHEN G. KARANDY

Signature

Stephen G. Karandy

Mo.

Day

Year

10/9/15/98

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Mo.

Day

Year

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

Mo.

Day

Year

In case of emergency or spill immediately call the National Response Center (800) 424-8802 or the NYS Department of Environmental Conservation (518) 457-7362

D



Photo 1: View looking towards pump house and Minebolt Resin Tank Cradles



Photo 2: View from Pump House towards Building RV-42



Appendix D
Photographic Log
Von Roll Isola USA, Inc.
Schenectady, New York



Photo 3: View of Ethylene Glycol Shed looking West



Appendix D
Photographic Log
Von Roll Isola USA, Inc.
Schenectady, New York