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ENVIRONMENTAL SITE ASSESSMENT REPORT PORTION OF ALBANY COUNTY INDUSTRIAL DEVELOPMENT AGENCY PROPERTY CITY OF ALBANY/TOWN OF COLONIE ALBANY COUNTY, NEW YORK

March 20, 1987

Prepared for:

Exchange Express Limited Partnership 622 Clinton Avenue Bridgeport, CT. 06605

Prepared by:

C. T. Male Associates, P.C. 50 Century Hill Drive P.O. Box 727 Latham, New York 12110 (518) 785-0976 CTM Project No.: 87.3356



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I. GENERAL

1.01 Introduction

This report presents the findings of an environmental site assessment conducted on a portion of the lands of Albany Co. Industrial Development Agency (IDA) located on Exchange Street in the Town of Colonie and City of Albany, Albany County, New York. The subject site encompasses 2.30+ acres of the undeveloped northwest portion of the former Tobin Packing Co., Inc. plant and associated property. Tobin Packing Co. was an animal slaughterhouse and meat packaging The Federal government acquired the property from plant. Tobin Packing Co. after they went bankrupt in the early 1980's and in turn sold it to the Albany Co. IDA. Albany Co. IDA leased the entire parcel to McNar Industries (which later became First Prize Industrial Park, Inc.) with the option to buy. Brooks Financial Corp. of New York City took over the lease from First Prize Industrial Park, Inc. approximately 1-1/2 years ago. The subject site is presently used for storage of mobil homes. A locus plan of the site is shown as Figure 1 under Appendix A.

The environmental site assessment included a site inspection, an historical assessment (background information and research), a subsurface investigation, and laboratory analyses of soil samples. The assessment was conducted by C.T. Male Associates, P.C. as requested by Mr. Andre Nagy (Attorney at Law) representing Exchange Express Limited Partnership of Bridgeport, Conneticuit and required by the Bank of New England of Boston, Massachusetts.

1.02 Purpose of Site Assessment

The purpose of this environmental site assessment was to determine the following:

- If any hazardous substances contamination and/or releases is present and/or have occurred on the subject site; and
- 2. If any potential liability exists under CERCLA (Comprehensive Environmental Response Compensation and Liability Act) and SARA (Superfund Amendments and Reauthorization Act of 1986) should the property be purchased by Exchange Express Limited Partnership.

II. SITE VISIT

C. T. Male Associates personnel conducted a site visit of the subject site on March 3 and 12, 1987 to observe the site and surrounding area for surficial evidence of contamination or possible sources of pollution, and to determine locations for subsurface explorations.

The subject site was observed to be vacant except for a few motor homes and items of heavy construction equipment, and two guard houses. A chain link fence surrounds the majority of the site. Part of the site has a macadam surface and the balance is dirt. No surface water was observed on the site. A storm water collection system is located on the site to collect surface water runoff. No vent pipes signifying underground storage tanks were observed on site or in the vicinity. Numerous empty 55 gallon drums and wooden carts allegedly left from Tobin Packing Co. are stored near the southwestern portion of the property. Various equipment was observed to be stored south of the site near the former Tobin Packing Co. waste water treatment plant.

The subject site was observed to be abutted on the north by softball fields and generally residential homes; on the northeast by Exchange Street and generally residential homes; on the east by the former Tobin Packing Co., Inc. loading dock and warehouse structure; on the south by storage area and abandoned Penn Central Railroad tracks (formerly NY Central RR tracks); and on the west by softball fields and undeveloped land. Interstate Route 90 runs East-West approximately 1000 feet south of the subject site. Nearby surface water consists of Patroon Creek which flows southeast approximately 800 feet south of subject site and Sand Creek which flows south approximately 2000 feet east of subject site.

Topographic relief within the site is 0-6 feet with the land surface sloping to a generally south, southwesterly direction. A drainage swale adjacent to the northwest portion of the property drains to the west, and a drainage swale adjacent to the western portion of site drains south.

No surficial evidence suggesting the presence of hazardous substances or oil contamination on site or areas abutting the site was observed by C.T. Male Associates personnel during our site visits. A site plan of the property is enclosed as Figure 2 under Appendix A. Photographs of the subject site are enclosed under Appendix B.

III. HISTORICAL ASSESSMENT

3.01 Previous Uses of Site and Locality

To establish the site's history, plans of the area from the late 1940's 50's and 60's were reviewed; and interviews were conducted with area residents, present and previous owners or employees of the Tobin Packing Co., First Prize Industrial Park and Brooks Financial Corp., New York State Dept. of Environmental Conservation (NYSDEC), NYS Dept. of Health (NYSDOH), and Albany County Dept. of Health.

The plans of the late 1940's, 50's and 60's indicate the subject site to be vacant land. Children used the site for recreation according to Mr. A Salisburry, an area resident for the last 28+ years, and Mr. F. Magalawn, a former employee of Tobin Packing Co. from approximately 1960-1969. Later the eastern and southern portion of the site was used for employee parking by Tobin Packing Co. employees. Since Tobin left the site area residents (Mr. Salisburry and Mr. R. Lang) don't recall the subject site being used for anything until recently (the last year +). Initially new Chevrolet cars were observed to be stored in the fenced in area of the subject site and following that motor homes were stored at the site. Presently RV Rentals of Albany, New York does lease the fenced in area of the subject site from Brooks Financial Corp. and have done so for approximately 1 They store motor homes on the site when necessary. vear. Based on the above previous uses of the site, it does not appear the subject site was used to handle, store or dispose of hazardous materials or oil.

In checking with Mr. Irving Bonsel, Regional Solid Waste Engineer of NYSDEC Division of Solid and Hazardous Waste; Mr. Nick Mottolese, NYSDOH Division of Toxic Substances; and Mr. Steve Lukowski, Albany Co. DOH, the subject site has not received any notice of violation of any state, local or federal rules or regulations regarding solid and hazardous wastes nor have the above agencies received any complaints from area residents regarding the release or threat of release of hazardous materials or oil on the site, in the groundwater below the site, etc. It is noted that residents on Exchange Street in the immediate area of the subject site are on public water supply (Latham Water District).

In reference to telephone conversations with the above agencies, complaints were received from area residents regarding the Tobin Packing Co. Plant, southeast of the subject site, when it was in operation. Complaints were received about odors in the area and pollution of surface water (Patroon Creek specifically) with conventional pollutants (i.e. organic wastes high in biological oxygen demand, oil and grease, and suspended solids). To alleviate the above problem, Tobin Packing Co. installed a wastewater treatment plant to treat their wastewater prior to discharging it to Patroon Creek and later the Albany County Sewer District. Odor complaints were the result of an incinerator on site that burned animal carcases etc. to an organic potash which was marketed. Another incinerator located west of the main Tobin Plant was used in the early years and up to the sixties (exact dates unknown) to burn paper and wood refuse. Complaints on the latter incinerator were against the soot that it created in the area.

The Tobin Packing Co. Plant did have a machine shop and garage for purposes of equipment repair and vehicle maintenance where they may have used some degreasers and lubricating oils. Presently, the latter garage area is leased by Goodyear Tire and Rubber Co. from Brooks Financial Corp. Goodyear uses the facility to recap tires. Other portions of the former Tobin Packing Co., complex are leased primarily for office and warehousing purposes. The railroad tracks adjacent to the subject site and part of the former Tobin Complex are no longer used and haven't been used for at least the last 8+ years. Other present and previous uses of the area surrounding the subject site were and still are residential and recreational.

IV. SUBSURFACE INVESTIGATION AND CONDITIONS

Subsurface explorations for this site assessment consisted of advancing three soil test borings to a depth of 5-8 feet below that which groundwater was encountered and taking continuous split spoon soil samples per ASTM D-1586. The drilling tools and samplers were steamed cleaned prior to the start of work and between each boring to prevent cross-contamination. Field blanks were taken of the final rinse water prior to drilling each boring for quality control purposes. The drilling and soil sampling was conducted on March 12, 1987 by Empire Soils Investigations and C.T. Male Associates personnel respectively. Chain of Custody documentation of the soil samples was established and the chain of custody record used to trace sample possession from the time of collection to final destination at C.T. Male Associates Laboratory. A copy of the chain of custody record is enclosed under Appendix E.

Locations of the test borings were determined by C.T. Male

Associates personnel with a 150 foot tape. The approximate locations are shown on the site plan (Figure No. 2) enclosed under Appendix A and entitled "Boundary and Topographic Survey, Portion of the Lands of Albany County Industrial Development Agency" and prepared by RDM Surveying consultants of Troy, New York. Soil logs of the test borings were prepared and are enclosed under Appendix C.

In general, test boring #1 encountered a gravel and sand subbase from 0-2 feet, and grades of fine to medium sand from 2-10 feet. Groundwater was encountered at approximately 3 feet, and the groundwater level in the hollow auger at termination of boring was at 5.8 feet. In general, Test boring #2 encountered a gravel and sand subbase from 0-2 feet, fine sand from 2-6 feet and grey silt and clay from 6-8 feet. Groundwater was encountered at approximately 2.5 feet, and no measurable groundwater was noted inside auger at completion of boring. In general, test boring #3 encountered orange-brown fine sand from 0-12Groundwater was encountered at approximately 4 feet, feet. and the groundwater level in the auger at termination of boring was at 7.5 feet.

Based on the measured groundwater level in the auger at completion of boring and the estimate of surface elevation determined from the topographic survey the groundwater in the investigated area appears to flow in an easterly, southeasterly direction. Local groundwater flow anomalies may exist within the site and adjacent properties due to the influence of structures, paved areas, fence post foundations and underground utilities.

V. LABORATORY ANALYSES AND RESULTS

Two samples from each test boring, one near the surface (2-4 feet) and the other below the depth at which groundwater was encountered (6-8 feet) were analyzed in our laboratory for the following parameters:

- Polychlorinated biphenyls (PBCS) using NYSDOH Analytical Handbook methodologies;
- Metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium, silver) using EPA methodologies;
- Pesticides using electron capture detection by EPA methodologies;
- 4. Petroleum scan using NYSDOH Analytical Handbook methodologies; and

5. Volatile organics by EPA Method 624.

In consideration of the former uses of the site and surrounding area, it is our professional opinion that the above parameters are representative of any contamination that could potentially be present. Laboratory results of the analyses are enclosed under Appendix D.

In general, results of the analyses performed on the soil samples from test borings #1, #2 and #3 indicated the following:

- 1. PCB(S) were not detected.
- 2. Pesticides were not detected.
- Petroleum products (#2, #4, and #6 fuel oil, kerosene, lubricating oil, gasoline ID) were not detected.
- 4. Volatile organics were not detected.
- 5. Cadmium and selenium were not detected.
- 6. An insignificant amount of silver was detected in one soil sample from test boring #2 at 6-8 feet.
- 7. Small amounts of arsenic, barium, chromium, lead, and mercury were detected.

In reference to a professional paper put out by the U.S. Geological Survey in 1984 entitled 'Element Concentrations in Soils and other Surficial Materials of the Conterminous United States', the concentrations of metals detected in the soils sampled are well within the range normally found in the soil of the Eastern United States. The concentration of the detected metals are compared to values listed in the above referenced report in Table V-1 below.

TABLE V-1

Element		Co De	ncentra tected	tion (ug/g)			Observed Background	Estimated Arithmetic
	TB #	1	TB #	2	TB#	3	Range	Mean
	2-4'	6-8'	2-4'	6-8'	2-4'	6-8'	(ug/g)	(ug/g)
Silver				1.3				
Arsenic	4.5	0.938	<.59	1.26	1.82	0.778	<0.1-73	7.4
Barium	10	11	9	190	10	7.1	10-1500	420
Chromium	8.5	8.8	6.1	11	5.7	3.2	1-1000	52
Lead	8.0	5.4	7.2	16	8.1	8.8	<10-300	17
Mercury	<.054	<.054	<.053	<.057	<.052	<.052	0.01-3.4	.12

VI. CONCLUSIONS

C.T. Male Associates environmental site assessment of the northwestern portion of the property owned by Albany Co. IDA located on Exchange Street in the Town of Colonie and City of Albany, New York has been completed in accordance with state, local and federal requirements regarding site assessments of this nature. Based on the above investigations and findings to date of samples analyzed, it is our professional opinion that no hazardous substances or wastes, or oil are present or have been released on the subject site; and that no evidence exists of a condition which after the passage of time, might result in the release or threat of release of hazardous material or oil above or below the surface of the subject site; and that the potential liability under CERCLA and SARA appears to be negligible should the property be purchased.

Report Prepared by:

ZuRovers

Elizabeth W. Rovers Project Engineer

Report Approved by:

Joseph E. Coffey, Jr., P.E. Senior Group Manager, Civil/Environmental Engineering

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APPENDIX A

FIGURES



APPENDIX B

PHOTOGRAPHS

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APPENDIX C

SOIL LOGS

TEST BORING SOIL LOGS

	TEST BORING SOIL LOGS					
		Exch Port En Town	ange Express Ltd. Partnership tion of Albany Co. IDA Property avironmental Site Assessment of Colonie/City of Albany, NY			
TB #1 3/12/87	0 -	2'	gravel and subbase orange-brown sand			
	2 -	3'	orange-brown sand			
	3 -	4'	brown sand sample wet @ 3.3'			
	4 -	5'	wet orange-brown sand			
	5 -	6 '	wet brown-grey sand			
	6 -	7 '	wet orange-brown sand			
	7 -	8 '	wet brown-grey sand			
	8 -	9'	brown-grey sand with some orange sand			
	9 -	10'	wet brown-grey sand			
TB #2 3/12/87	0 -	2'	gravel and subbase orange mottled sand with black pockets, sample wet @ 2'			
	2 -	4'	wet brown sand with orange sand pockets			
	4 -	6 '	wet grey sand with orange sand pockets			
	6 -	8'	wet grey silty clay with orange sand pockets			
TB #3	0 -	1'	orange-brown sand			
3/12/8/	1 -	2'	brown sand with black pockets			
	2 -	4'	orange-brown sand with black pockets sample wet @ 4'			
	4 -	6'	wet orange-brown sand			
	6 -	8'	wet orange-brown sand			
	8 -	10	wet brown sand			

10 - 12' wet brown sand

Method: 3-1/4" I.D. Hollow Classification: Visual by geologist



DATE		
STARTED .	3/12/8	7
FINISHED .	3/12/8	7
SHEET	1OF	1



LOCATION ____

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G.W. DEPTH See Note #1

PROJECT Site Assessment

TT

Albany, N.Y. T

Exchange Street

PTH-FT	AMPLES	APLE NO		SAME	S ON PLER		OW ON SING C	SOIL OR ROCK	NOTES
	s	SAA	6	/12	18	N	a S	0.2' Asphalt	T
-	7	1	8	13	17	30		Brown fine SAND & GRAVEL, occasional	Note #1
-	1	2	10	20		40		Brown fine SAND, Some Silt, becomes	At completion of
	Ľ		20	16				wet	groundwater noted
5	1/	3	6	9		17		-grades grey	inside augers.
ľ -	4		8	7				(Moist to Wet-Compact to Firm)	Samples become wet at
-		4	7	8		14		Grey SILT & CLAY	
-	ŕ		0	/					
-10-								END OF BORING @ 8.0	_
10					_				H
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N = 1	No	blow	s to d	rive_	2	_" sp	00n <u>12</u>	2 with 140_lb_pin_wt_falling30per blowCLAS	SIFICATION Visual by
C = N	C = No blows to drive casing withlb. weight falling "per blow Driller								
METH	10[0 OF	INVE	STIG/		l	3	" I.D. Hollow Stem Aguer	
T Form									

DATE STARTED <u>3/12/87</u> FINISHED <u>3/12/87</u> SHEET 1 OF 1	SOILS INVESTIGATIONS INC	SUBSURFACE LO	DG SURF. ELEV
PROJECTOF	ent	LOCATIONE	xchnage Street

A See Note #1

B-3



APPENDIX D

LABORATORY ANALYSES REPORT

		ATU PROTECT #	<u></u>
EXCHANGE EXPRESS LTD. PARTNER		CIM PRUJECI #:	87.03427
IN HOUSE REPORT		No. samples an	alyzed: 6
		75 914 97 T 11 85 19	
		CIM Task #: 87	0312L
ATTENTION: ELIZABETH RUVERS			
Punchaca Judan Mumhani		CTM Samela No.	0312 07 03
Data Samplade AT/17/87 Time	• 10= 40 AM	Data Pacajyada	03/12/07
Campled By + DETERC D		Collection Met	bod: CPAD
Sampled by . rerend, b	-	Materio COTI	
Jampie IG. In #1 2-4 Fi	CCCCMENT	hatrix: SUL	
LUCATION : FIRST FRIZE STIE F	00000010141		
Parameters and Standard Metho	dology Used	Results	Analvet Reference
		112.022.00	maryst herefence
PRIORITY POLLUTANT (VOLATILES)	FEDERAL REGISTER.DEC 3, 1979.624	SEE ATTACHED	MSA 34-37
PCB	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	<0.1 UG/G	D0 F:151 3/18
SLUDGE DIGEST HCL REFLUX	SW-846 EPA 3050	MP4B	DB 3/13
SLUDGE DIGEST NITRIC REFLUX	SW-845 EPA 3050	MP4A	DB 3/13
ARSENIC	EPA METHODS, 1979,206.2	4.55 116/6	DB F:3 3/16
BARTIM	EPA METHODS, 1979,208,1	10 116/6	DB E-15 3/17
CADMILIM	FPA METHODS, 1979,213.1	<0.26 U6/6	NR F+8 3/17
CHROMTUM	EPA METHODS, 1979,218,1	8.5 16/6	DB E:5 3/14
I FAN	EPA METHODS 1979 279 1	8.0 116/6	NP 5:11 3/17
MERCURY DIGESTION (SOLTD-SEMI)	QU-844 FPA METHON 7471	UC2	TD 7/10
MERCHRY ANALVERS METHON		/0.054_UC/C	DD 7/10
	EPA METHODO, 1777, 243, 1		DD 5/17
STIVER	EPA METHODS, 1777.270.2		DD E:4 3/10
	CHARLENDON, 1777.272.1		DD E:0 3717
	SW-946 METHOD 9090		DO E:150 3710
		(0.02 08/0 /0.02 110/0	DD E:150 3/10
	SW 646 METHOD 8080		DO E:150 3/10
			DU E:100 3716
			DO E:150 5/10
			DU E:100 3718
			DU E: 150 3718
4,4-DDE	3W-040 HETHOD 0000	(0.02 D6/G	DU E:150 3/18
	SW-046 METHOD 8080	<0.02 U6/6	DU E:150 3/18
	SW-846 METHUD 8080		DU E: 150 3/18
ALPHA-ENDOSULPAN	SW-846 METHOD 8080		DU E:150 3/18
	SW-846 METHOD 8080	(0.02 UG/G	DU E: 150 3/18
ENDOSULFAN SULFATE	SW-846 METHOD 8080	<0.02 UG/G	DU E:150 3/18
	SW-846 METHUD 8080	<0.02 UG/G	DO E:150 3/18
ENDRIN ALDEHYDE	SW-846 METHUD 8080	<0.02 UG/G	DO E:150 3/18
REPTACHLUR	SW-846 METHUD 8080	<0.02 UG/G	DO E:150 3/18
HEPTACHLUR EPUXIDE	SW-846 METHUD 8080	<0.02 UG/G	DU E:150 3/18
TUXAPHENE	SW-846 METHOD 8080	<0.1 UG/G	DO E:150 3/18
#2 FUEL	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37
#4 FUEL	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37
#6 FUEL	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37
KEROSENE	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37
LUBRICATING OIL	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37
GASOLINE ID	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37
NO COMPOUNDS WERE DETECTED	BY EPA 624	DONE	
	1 $($ $)$		

By March (Mr) AUTHORIZED FOR RELEASE:

PHONE: 518-785-0976

IN HOUSE REPORT		No. samples analyzed: 6			
		CTM Task #	: 870312L		
ATTENTION: ELIZABETH RUVERS					
Purchase Order Number:		CTM Sample	No: 0312 87L 05		
)ate Sampled: 03/12/87 Tim	e: 10:50 AM	Date Recei	ved: 03/12/87		
Sampled By : PETERS, B		Collection	Method: GRAB		
Sample Id: TH #1 6-8 FT		Matrix: S	DIL		
ocation : FIRST PRIZE SITE	ASSESSMENT				
arameters and Standard Meth	odology Used	Results	Analyst Reference		
		CCC ATTACUCS	MDA 74 77		
CLOCIT FULLUIHNI (VULHIILEO	N V C D D U ANALYTICAL UANDOOK	SEE ATTACHED	MSA 34-37		
UD	N.T.S.D.U.H. HNALTIICAL HANDBUUK	KU.1 U6/6	DU E:151 3/18		
STUDGE DIGEST MITRIC REPLUX	UN UTO ECH DVUU GM-044 EPA 7050	MDAD	DB 3/13		
REPUTC DIDLOT ALL REFLUX	58 040 EFH 3030 ΕΡΔ ΜΕΤΗΠΝΟ 1070 9ΛΔ 9	0 070 10/0	DD 3/13		
RAPTIM	EPA METHODS 1070 200 1	0.758 00/6	DD E:0 0/10		
	FPΔ METHODS, 1979,213 1		DD E:10 3/1/ DD E:0 7/17		
	FPΔ METHODS, 1979 218 1	8.8 116/6	DD E:0 3/1/		
FAD	EPA METHODS, 1979, 239, 1	5.4 16/6	DB E:11 3/17		
TERCURY DIGESTION (SOLID-SEMI) SW-846 FPA METHOD 7471	HG2	IP 3/19		
ERCURY ANALYSIS METHOD	EPA METHODS, 1979, 245, 1	<0.054 UG/G	DB 3/19		
SELENIUM	EPA METHODS. 1979. 270. 2	<0.24 UG/G	DB E:4 3/16		
SILVER	EPA METHODS, 1979,272.1	<0.75 UG/G	DB E:8 3/17		
ALDRIN	SW-846 METHOD 8080	<0.02 UG/G	DD E:150 3/18		
ALPHA-BHC	SW-846 METHOD 8080	<0.02 UG/G	DO E: 150 3/18		
ЗЕТА-ВНС	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
SAMA-BHC	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
DELTA-BHC	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
CHLORDANE	SW-846 METHOD 8080	<0.1 UG/G	DO E:150 3/18		
4,4-DDT	SW-846 METHOD BOBO	<0.02 UG/G	DO E:150 3/18		
4,4-DDE	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
4,4-DDD	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
DIELDRIN	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
ALPHA-ENDOSULFAN	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
3E TA-ENDUSULFAN	SW-846 METHOD 8080	<0.02 UG/G	DD E:150 3/18		
ENDOSULFAN SULFATE	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
	SW-846 METHUD 8080	<0.02 UG/G	DO E:150 3/18		
ENDRIN ALDEHYDE	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
TEPTACHLUK EPUXIDE	SW-846 METHOD 8080	<0.02 UG/G	DU E:150 3/18		
	SW-646 METHUD 8080	<0.1 UG/G	DU E:150 3/18		
FZ FUEL	N.Y.S.D.U.H. ANALYTICAL HANDBOOK	NUT DETECTED	MSA 34-37		
## FUEL #4 ENEI		NUL DETECTED	MGA 34-37		
RO FUEL		NUI DEIEUIED	MGA 34-37		
		NOT DETECTED	MCA 74-37		
BASOLINE ID			MCA 7/_77		
NO COMPOUNDS WERE DETECTED	BY EPA 624	DONE	num 04707		
AUTHORIZED FOR RELEASE	(tí				

PAGE 2

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N HOUSE REPORT		No. samples	analyzed: 6	
ittestics, ELTTARETH POWERS		CTM Task #: 870312L		
urchase Order Number:		CTM Sample	No: 0312 87L 09	
ate Sampled: 03/12/87 Tim	ne: 11:25 AM	Date Receiv	ed: 03/12/87	
Sampled By : PETERS, B		Collection	Method: GRAB	
ample Id: TH #2 2-4 FT		Matrix: SO	IL	
ocation : FIRST PRIZE SITE	ASSESSMENT			
arameters and Standard Meth	iodology Used	Results	Analyst Reference	
) FEDERAL REGISTER DEC 3 1979 424	CEE ATTACHEN	MCA 74_77	
CB			NOH 04-07	
UDGE DIGEST NITRIC REFLUX	SW-846 FPA 3050	MP40	DO C.131 5/16	
LUDGE DIGEST HCL REFLUX	SW-846 EPA 3050	MP4R	DB 3/13	
RSENIC	EPA METHODS, 1979.205.2	(0.59 HG/G	DB F:3 3/16	
ARIUM	EPA METHODS, 1979.208.1	9.0 UG/G	DB F: 15 3/17	
ADMIUM	EPA METHODS, 1979,213.1	<0.25 UG/G	DB E:8 3/17	
HROMIUM	EPA METHODS, 1979.218.1	6.1 UG/G	DB E:5 3/16	
EAD	EPA METHODS, 1979.239.1	7.2 UG/G	DB E:11 3/17	
ERCURY DIGESTION (SOLID-SEM)	() SW-846 EPA METHOD 7471	HG2	JP 3/19	
ERCURY ANALYSIS METHOD	EPA METHODS, 1979.245.1	<0.053 UG/G	DB 3/19	
ELENIUM	EPA METHODS, 1979.270.2	<0.24 UG/G	DB E:4 3/16	
JILVER	EPA METHODS, 1979.272.1	<0.77 UG/G	DB E:8 3/17	
LDRIN	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18	
LPHA-BHC	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18	
SETA-BHC	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18	
JAMA-BHC	SW-846 METHOD BOBO	<0.02 UG/G	DO E:150 3/18	
ELTA-BHC	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18	
HLORDANE	SW-846 METHOD 8080	<0.1 UG/G	DO E:150 3/18	
,4-DDT	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18	
,4-DDE	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18	
,4-DDD	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18	
IELDRIN	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18	
ILPHA-ENDOSULFAN	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18	
IE TA-ENDUSULFAN	SW-846 METHUD 8080	<0.02 UG/G	DO E:150 3/18	
NDUSULFAN SULFATE	SW-846 METHUD 8080	<0.02 UG/G	DO E:150 3/18	
	SW-846 METHOD BOBO	<0.02 UG/G	DO E:150 3/18	
INDRIN ALDEHYDE	SW-846 METHOD 8080	<0.02 UG/G	DU E:150 3/18	
	SW-546 METHOD BUSU	<0.02 UG/G	DU E:150 3/18	
	SW-846 METHOD BOOD	K0.02 UG/G	DU E:150 3/18	
		KO.1 UG/G	DU E:150 3/18	
			MSA 34-37	
	N.Y.S.D.U.H. ANALYTICAL HANDBOOK	NOT DETECTED	MGA 34-37	
FO FUEL	N V C D D U ANALYTICAL MANDOOK	NUI DEIELIED	MCA 74-37	
TIRRICATING OT	N V S N N H ANALVITCAL HANDONN		Пан 34-37 МСА 7А-77	
SASOLINE ID		NOT DETECTED	Пан 34-37 МСД 7Д_77	
NO COMPOUNDS WERE DETECTED	BY EPA 624	DONE	HUR 37-37	
		L'UNL		
AUTHORIZED FOR RELEASE	(Cy			

IN HOUSE REPORT		No. samples analyzed: A			
Attention, ELITADETU DOUEDO		CTM Task #:	870312L		
ACCENTION: ELIZABETH RUVERS					
Purchase Order Number:		CTM Sample	No: 0312 87L 11		
)ate Sampled: 03/12/87 Time	: 11:35 AM	Date Receiv	ed: 03/12/87		
Sampled By : PETERS, B		Collection	Method: GRAB		
Sample Id: TH #2 6-8 FT		Matrix: SO	IL		
Location : FIRST PRIZE SITE A	SSESSMENT				
Parameters and Standard Metho	dology Used	Results	Analyst Reference		
PRIORITY POLLUTANT (VOLATILES)	FEDERAL REGISTER, DEC 3. 1979.624	SEE ATTACHED	MSA 34-37		
2CB	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	<0.1 UG/G	DO E:151 3/18		
SLUDGE DIGEST NITRIC REFLUX	SW-846 EPA 3050	MP4A	DB 3/13		
SLUDGE DIGEST HCL REFLUX	SW-846 EPA 3050	MP4B	DB 3/13		
ARSENIC	EPA METHODS, 1979.206.2	1.26 UG/G	DB E:3 3/16		
BARIUM	EPA METHODS, 1979.208.1	190 UG/G	DB E: 15 3/17		
CADMIUM	EPA METHODS, 1979.213.1	<0.30 UG/G	DB E:8 3/17		
CHROMIUM	EPA METHODS, 1979.218.1	11 UG/G	DB E:5 3/16		
_EAD	EPA METHODS, 1979.239.1	16 UG/G	DB E:11 3/17		
MERCURY DIGESTION(SOLID-SEMI)	SW-846 EPA METHOD 7471	HG2	JP 3/19		
MERCURY ANALYSIS METHOD	EPA METHODS, 1979.245.1	<0.057 UG/G	DB 3/19		
SELENIUM	EPA METHODS, 1979.270.2	<0.24 UG/G	DB E:4 3/16		
SILVER	EPA METHODS, 1979.272.1	1.3 UG/G	DB E:8 3/17		
ALDRIN	SW-846 METHOD BO80	<0.02 UG/G	DO E:150 3/18		
ALPHA-BHC	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
BETA-BHC	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
SAMA-BHC	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
DELTA-BHC	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
CHLORDANE	SW-846 METHOD BOBO	<0.1 UG/G	DO E:150 3/18		
4,4-DDT	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
4,4-DDE	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
4,4-DDD	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
DIELDRIN	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18		
ALPHA-ENDUSULFAN	SW-846 METHUD 8080	<0.02 UG/G	DO E:150 3/18		
	5W-846 METHUD 8080	<0.02 UG/G	DO E:150 3/18		
ENDUSULFAN SULFAIE	SW-846 METHUD BOBO	<0.02 UG/G	DD E:150 3/18		
	SW-546 METHOD BODO	<0.02 UG/G	DU E:150 3/18		
LINDRIN ALDEHYDE	SW-546 METHOD BOSC	<0.02 UG/G	DU E:150 3/18		
	OW-046 FEIHUU 8080	<0.02 UG/G	DU E:150 3/18		
	OWTORE INUE BUBU	<0.02 UG/G	DU E:150 3/18		
		KO.1 UG/G	DU E:150 3/18		
#4 FUEL #7 EUE	N. T. D. D. U. ANALYTICAL HANDBOOK	NUT DETECTED	MCA 34-57		
14 FUEL 44 FUEL	N. T. J. J. U. H. ANALYTICAL HANDBUCK	NUI DEIEUIED	MCA 34-37		
TO FUEL		NUT DETECTED	MDA 34-57		
	N.T.S.J.U.H. ANALYTICAL HANDBOOK	NOT DETECTED	MDA 34-37		
	N V C D O H ANALYTICAL HANDBOOK	NUT DETECTED	MDA 34-37		
	N.T.S.D.U.H. HNALYTILAL HANDBUUK	NUT DETECTED	M5A 34-37		
ND CONFUCIND WERE DETECTED	DT EFH 024	DUNE			
AUTHORIZED FOR RELEASE	2)				
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EXCHANGE EXPRESS LTD. PARTNER		CTM PROJECT #:	87.03427
IN HOUSE REPORT		No. samples an	alyzed: 6
		CTM Task #: 87	0312L
Attention: ELIZABETH ROVERS			
Dunskess Order Muskers		078 0 1 1	6718 871 Ja
Data Capalada 07/12/07 Tian	- 12.00 DM	UIN Sample No:	0312 B/L 14
Campled By PETERC D	: 12:00 PM	Date Received:	03/12/8/
Sampled by : PETERS, B		LOITECTION Met	NOG: BRAB
Incetion + FIRST PRIZE SITE A	CCECCMENT	hatrix: buit	
COCACION . FINOR MILL DITE H			
Parameters and Standard Metho	dology Used	Results	Analyst Reference
PRINRITY POLITIANT (VOLATTLES)	FEDERAL REGISTER, DEC. 3, 1979, 624	SEE ATTACHEN	MCA 34-37
PCB	N.Y.S.D.D.H. ANALYTICAL HANDROOK		DO E-151 7/19
SLUDGE DIGEST NITRIC REFUM	SW-846 EPA 3050	MP4A	DR 3/13
SLUDGE DIGEST HCL REFLUX	SW-846 EPA 3050	MP4B	DB 3/13
ARSENIC	EPA METHODS, 1979,204.2	1.82 1676	DB F:3 3/16
BARTIM	EPA METHODS, 1979, 208, 1	10 US/6	DB 5:15 3/17
CADMTUM	EPA METHODS, 1979, 213, 1	(0.24 JIS/S	DB E-9 3/17
CHROMIUM	EPA METHODS, 1979,218,1	5.7 UG/G	DB E-5 3/14
LEAD	EPA METHODS, 1979, 239, 1	8.1 116/6	DB F:11 3/17
MERCURY DIGESTION (SOLID-SEMI)	SW-846 EPA METHOD 7471	H62	JP 3/19
MERCURY ANALYSIS METHOD	EPA METHODS. 1979. 245. 1	<0.052 UG/G	DB 3/19
SELENIUM	EPA METHODS, 1979, 270, 2	(0.21 UE/6	DB F:4 3/16
SILVER	EPA METHODS, 1979,272.1	<0.74 UG/G	DB F:8 3/17
ALDRIN	SW-846 METHOD 8080	<0.02 UG/G	DD F: 150 3/18
ALPHA-BHC	SW-846 METHOD 8080	<0.02 US/6	D0 F:150 3/18
BETA-BHC	SW-846 METHOD 8080	<0.02 HG/G	DD F: 150 3/18
GAMA-BHC	SW-846 METHOD 8080	<0.02 US/5	DO F: 150 3/18
DELTA-BHC	SW-846 METHOD 8080	<0.02 UG/G	D0 F: 150 3/18
CHLORDANE	SW-846 METHOD 8080	<0.1 UG/G	D0 E:150 3/18
4,4-DDT	SW-846 METHOD 8080	<0.02 UG/G	D0 E:150 3/18
4,4-DDE	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18
4,4-DDD	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18
DIELDRIN	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18
ALPHA-ENDOSULFAN	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18
BETA-ENDOSULFAN	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18
ENDOSULFAN SULFATE	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18
ENDRIN	SW-846 METHOD 8080	<0.02 UG/S	DO E:150 3/18
ENDRIN ALDEHYDE	SW-846 METHOD 8080	<0.02 UG/G	DD E:150 3/18
HEPTACHLOR	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18
HEPTACHLOR EPOXIDE	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18
TOXAPHENE	SW-846 METHOD 8080	<0.1 UG/G	DO E:150 3/18
#2 FUEL	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37
#4 FUEL	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37
#6 FUEL	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37
KEROSENE	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37
LUBRICATING OIL	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37
GASOLINE ID	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37
NO COMPOUNDS WERE DETECTED	BY EPA 624	DONE	
AUTHORIZED FOR RELEASE:	Ŋ		
PHONE: 518-785-0976			

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		No camilar s	halvzed: A				
		. HD: 3009165 a.	1a1y2e0. 0				
		CTM Task #: 870312L					
ittention: ELIZABETH ROVERS							
'urchase Order Number:		CTM Sample No	: 0312 87L 16				
ate Sampled: 03/12/87 Tir	ne: 12:10 PM	Date Received: 03/12/87					
ampled By : PETERS, B		Collection Me	thod: GRAB				
ample Id: TH #3 6-8 FT		Matrix: SOIL					
ocation : FIRST PRIZE SITE	ASSESSMENT						
arameters and Standard Metl	nodology Used	Results	Analyst Reference				
			MOA 74 77				
RIURITY FULLUTANT VULHTILES	N V C D O U ANALYTICAL UANDOOK	SEE ATTACHED	MSA 34-37				
TINCE BICEOT NITOTO DEELINY	N.T.S.D.U.R. HNHLIILHL HHNDBUUK	KU.I UG/G	DU E:151 3/18				
HINCE MICEST WITKIG REFLUX	2W-040 EFH 3030	MDAD	DB 3/13				
DECUDE DIGEST ALL REPLOX	3W-040 EFH 3030 EDA METUODE 1070 307 3	0.770 UC/C	UB 3/13				
	EPA METHODS, 1777.200.2	0.778 0076	DB D: 3 3/18				
	EFM METHODE 1070 017 1	7.1 U6/6	DB E:10 3/1/				
	EPA METUODO, 1977,213.1	10.27 U070	DB E:8 3/1/				
	EPA METUODe 1070 370 1	3.2 00/6	UB E:0 5/16				
EDCHEV RICECTION/COLIN_COM	LEH HEIHUUO, 1777.207.1	8.8 00/6	DB E:11 3/1/				
ECCURY DIGESTION SOLID-SEN.	EDA METUODE 1070 345 1	H02	JP 3/19				
	EPA METURNE 1070 370 3	<0.032 0070 (0.032 0070	DB 5/17				
	EPA METUNNE 1070 070 1	10.20 U0/0	DB E:4 3/16				
	SW-844 METHOD 9080	(0.02 UC/C	DD E:0 0/1/				
	SW 646 HETHOD BOBO	(0.02 00/8	DU E1130 3718				
	SW 040 NETHOD 8080		DU E:10V 3/18				
20M0-BHC	SW 846 METHOD 8080	(0.02 00/8	DO E:150 3/10				
	SW 040 HETHOD 8080	(0.02 UB/6	DO C.150 3/10				
CHI ORDANE	SW-846 METHOD 8080	(0.1 UG/G	DO E:150 3/18				
4-001	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18				
4-DDF	SW-846 METHOD 8080	<0.02 UG/G	DO E-150 3/18				
4-DDD	SW-846 METHOD 8080	(0.02 116/6	DO E:150 3/18				
DELORIN	SW-846 METHOD 8080	(0.02 US/6	DO E:150 3/18				
ALPHA-ENDOSULFAN	SW-846 METHOD 8080	<0.02 UG/G	DD E: 150 3/18				
ETA-ENDOSULFAN	SW-846 METHOD 8080	<0.02 U6/6	D0 E:150 3/18				
NDOSULFAN SULFATE	SW-846 METHOD 8080	<0.02 UG/G	D0 F:150 3/18				
INDRIN	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18				
NDRIN ALDEHYDE	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18				
EPTACHLOR	SW-846 METHOD 8080	<0.02 UG/G	DO E:150 3/18				
EPTACHLOR EPOXIDE	SW-846 METHOD B080	<0.02 UG/G	DO E:150 3/18				
OXAPHENE	SW-846 METHOD 8080	<0.1 UG/G	DO E:150 3/18				
2 FUEL	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37				
F4 FUEL	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37				
6 FUEL	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37				
EROSENE	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37				
UBRICATING OIL	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37				
SASOLINE ID	N.Y.S.D.O.H. ANALYTICAL HANDBOOK	NOT DETECTED	MSA 34-37				
IO COMPOUNDS WERE DETECTED	BY EPA 624	DONE					
AUTHORIZED FOR RELEASE:	Ga						

LIMITS OF DETECTION

METHOD: EPA 624 FRACTION: VOLATILES	
SAMPLE ID: 0312-87L -03, 05, 09, 11	, 14, 16 <u>MULTIPLIER 1</u> : 1
PARAMETER:	*METHOD DETECTION LIMIT:
CHLOROMETHANE	1.0
VINYL CHLORIDE	1.0
BROMOMETHANE	1.0
CHLOROETHANE	1.0
TRIFLUOROCHLOROMETHANE	1.0
ACROLEIN	5.0
1, 1 - DICHLOROETHENE	1.0
DICHLOROMETHANE	1.0
ACRYLONITRILE	5.0
TRANS - 1, 2, DICHLOROETHENE	1.0
1, 1 DICHLOROETHANE	1.0
CHLOROFORM	1.0
CARBON TETRACHLORIDE	1.0
1, 1, 1 - TRICHLOROETHANE	1.0
BENZENE	1.0
1, 2 - DICHLOROETHANE	1.0
1, 2 DICHLOROPROPANE	1.0
BROMODICHLOROMETHANE	1.0
2 - CHLOROETHYLVINYL ETHER	1.0
TRANS - 1, 3 - DICHLOROPROPENE	1.0
TOLUENE	1.0
CIS - 1, 3 - DICHLOROPROPENE	1.0
1, 1, 2 - TRICHLOROETHANE	1.0

APPENDIX E

SAMPLES CHAIN OF CUSTODY DOCUMENTATION

50 Century Hill Drive P.O. Box 727 Latham, New York 12110 (518) 785-0976



LABORATORY SERVICES

CHAIN OF CUSTODY RECORD

ELIENTAND BROJECT NAME & press part. Ltd.				SAMPLERS: (Signature) R Reters						
C T M SAMPLE NUMBER SAMPLE IDENTIFICATION & LOCATI			DATE P = p.m		SAMPLE TYPE		AV NUMBER OF CONTIS		NALYSIS REQUIRED	
0312 - 13	TH#3 0-2'	/	3/12/87	1155 A	soil	X	1			
1 14	TH#3 2-4'	3/17/87	1200 4	soi	4	e 1				
15	TH#3 4-6	3/12/87	1205 A	soil	5	01				
16	TH#3 6-8	3/12/87	12/0	501/	/	/				
17	TH # 3 8-10) /	3/12/87	1210	5501	5	0/			
18	TH#3 10-10	Э'	3/12/87	1200	soi/	×	- /			
1/19	ripse Water	3	3/12/87	130	HJO	X)			
	<u> </u>			A	<u>.</u>					
				A						
				4	<u> </u>					
				4	<u> </u>	\dagger				
				P 						
Relinquished by: (Signature)			ived by:		Date/1	ime				
Relinquished by: (Signature)			eived by:		Date/1	ime				
Relinquished by: (Signature)			eived by:		Date/1	lime				
Relinquished by: (Signature)			Received by Mobile Laboratory for field analysis: (Signature)							Time
Dispatched by: (signature) BRETERS 3/13/87			Receiv		Date/ 31/2	Time 130				
Method of Shipme	ent:		- Andrew Constantion	1		1	1			//

Distribution: Orig. – Accompany Shipment 1 Copy – Coordinator Field Files

50 Century Hill Drive P.O. Box 727 Latham, New York 12110 (518) 785-0976



LABORATORY SERVICES

CHAIN OF CUSTODY RECORD

CLIENT AND PROJECT NAME CX press Part. Lt d. Exchange ENV. Site ass.					SAMPLERS: (Signature) BPetera							
C T M SAMPLE NUMBER	ER SAMPLE IDENTIFICATION & LOCATIO			TIME A = a.m. DATE P = p.m.		E m. m.	SAMPLE TYPE		NUMBER OF CONT'S		ANALYSIS REQUIRED	
0312 21	pince wat	er 1 # 1	3/	112/87	1010	A P	150	X	1			
12	TH#1 0-2'			112/87	1030	AP	soil	×	1			
3	TH#12-41			12/87	1040	P	soil	X	1			
4	TH#1 4-6'			13/87	1040	AP	Soil	k	0 /			
5	TH#16-8'			112/87	1050	P	501	2	=			
. 6	TH# 1 8-10'			(12/87	1055	A	soil		4 /			
.7	TH#2 0-2'			12/187	1120	A	sõij	1	- /			
8	rmse water after TH#1			112/87	1110	A	H20	K	1			
9	771. # 2 - 4'			112/87	1,25	A	Soi/		91			
10	TH#2 4-6'			112/87	ij B	A	5051		0 /	1		
11	TH H 2 6-	- 81	3	12/87	1/35	A	8011	5	0 /			
V 12	rinse of t	or THA	62 3	112/87	1/50	A	HD		<]			
Relinquished by: (Signature)			Received by: (Signature)								Date	/Time
Relinquished by: (Signature)			Received by: (Signature)									/Time
Relinquished by: (Signature) Relinquished by: (Signature)			Received by: (Signature) Received by Mobile Laboratory for field analysis: (Signature)								Date	/Time
											Date	/Time
Dispatched by: (Signature) BPeters 211487		Date/Ti 3/12/81 /	Time Received for Laboratory by: 1130 Mary Arm Hay								Date 3/12/8	e/Time

Distribution: Orig. – Accompany Shipment 1 Copy – Coordinator Field Files