ENVIRONMENTAL PROGRESS REPORT

SOLAR SOIL MAINTENANCE AND SAMPLING PROGRAM, SOUTH PARKING LOT

550 Main Street
Stratford, Connecticut

Prepared For:

Owner: UNITED STATES ARMY

operator: TEXTRON LYCOMING DIVISION

FINAL COPY
July, 1991

Prepared By:

Coastal Excavation & Paving, Inc.
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With assistance from:

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TEXTRON ENVIRONMENTAL ASSESSMENT: PROGRESS REPORT, SOUTH LOT

I. INTRODUCTION

In the process of constructing Building 65, Coastal Excavation & Paving, Inc. (Coastal) encountered a large quantity of soil contaminated with oil and solvents. The quantity was estimated to date to be on the order of 11,000 cubic yards at Building 65 and 2,000 cubic yards at Building 34. The contaminated material was excavated and stockpiled in an area set aside at the far end of the South Parking Lot. Temporary storage of this soil was arranged, following the requlatory guidances, until transportation to an appropriate facility within 90 days could be conducted. As this report details, testing was done periodically on this pile within the first 75 days.

This report gathers together analytical data collected during exposure of the contaminated soil at the South Parking Lot in 1990 and presents some conclusions, derived from interpretation of those data, especially as they relate to initial data derived from these soils prior to their on-site transport to the South Lot at Textron from Building 65.

The individual laboratory reports, along with the Chain of Custody forms, are attached in the Appendices. The results are summarized in Table I which condense the data to date into a compact and more convenient form. Comments from field notes and daily logs are also annotated in the Table.

II. METHODOLOGY

Soil removed from the Building 65 and Building 34 construction sites has been stockpiled within a fenced and bermed paved area at the southern end of the South Parking Lot. The piles were on the order of 6 to 12 feet high.

A solar exposure area was created by construction of a concrete pad two to three inches thick on top of the parking lot surface within one corner of the fenced area. The initial area of the concrete was approximately 150 feet by 75 feet. This area was later widened to about 125 feet wide. Soil from the stockpiles was spread onto the concrete in lifts or layers to a total thickness of about 20 to 24 inches.

The soil lifts were exposed to the sun and weather throughout the work and were modified by bulldozer and plow during exposure in order to facilitate increased flexibility of testing and access. It was found that these modifications increased the natural organic volatilization process. No artificial means, including heaters or blowers or chemical additives, were used in the process. As supported by CTDEP documentation and data supplied in this report, a section of approximately 2000 cubic yards of this soil which was managed in this manner has been officially deemed suitable to remain on-site.

III. SAMPLING PROCEDURES

Samples of the exposed soil were composited from several locations along the length of the lifts area. Individual lifts were spaced 20 to 25 feet apart along the row. Hand gathered samples were taken by digging with a shovel to the appropriate depth of the lift. Whenever possible, mechanical digging with the bucket was used to create a series of test pits along the length of the exposed soil. In this case individual specimens were collected within minutes of the digging from the surface, midpoint, and bottom of each test pit, and composited to provide three samples for analysis: one each from the surface, midpoint, and bottom of the lift. The soil lift area was divided roughly into grids, with sampling within devised grid units.

The samples were collected in specially cleaned glass jars provided by the laboratory. The lids were lined with Teflon. Sample containers were transported in a styrofoam cooler chest with frozen blue ice blocks to maintain a level ambient temerature of 4 C or less. Early samples were delivered by courier, but since this process was inefficient, later samples were hand delivered by the sampler directly to the laboratory the same day they were taken. The appropriate Chain of Custody protocols were observed throughout.

The purpose of the sampling program, conducted initially by Coastal (7-12/90) and then by Textron (1/91-present), was to monitor in a semi-quantitative fashion the chemical modification taking place in the soil through time while transportation off-site was being arranged. When it became apparent that the contaminants of concern were either vastly diminished, or absent completely, more extensive sampling and data interpretation of a 2000 cubic yard section of soil was conducted. These data were then submitted to the CTDEP for concurrence with the decision that the soil could either remain on-site or else be transported as non-hazardous waste to a sanitary landfill. This concurrence was subsequently granted in a 26 October, 1990 letter from the CTDEP.

Through the period of temporary storage, the lifts were inspected for presence of solid waste, such as concrete or steel, and for any other foreign material. The goal here was to segregate any material not suitable for transportation with the soil, and to handle it separately.

Analysis of Current Conditions

At this juncture in the process, a significant amount of soil remains in the South Lot. The material found by semi-quantitative sampling to be "clean" of 8010/8020 class volatile organic compounds and metals should be sampled and tested in an approved, statistically valid fashion.

Following USEPA guidance on this topic, the pile/s of material should be leveled so that they are no greater than five (5) feet in depth. A grid of 1yd x 1yd should be drawn on the pile; followed by discrete sampling of each grid by an independent party. It may be prudent to composite a 3x3yd grid area to keep analytical cost practical, but combining soil from any greater than a 9sq. yd area would not, in Coastal's opinion, meet regulatory guidances. It will be important to sample at shallow (surface to 1ft), intermediate (2-4ft) and deep (at base) depths in the pile in order to defend the pile as thoroughly "clean".

These samples should then be tested by a state approved laboratory for TPH, as well as 8010/8020 volatile organic compounds and metals, as done previous to 1/91 by Coastal. If these data indicate continued decrease in TPH levels, with the absence of any 8010/8020 or metal constituents, the state should again be approached for formal concurrence with the non-hazardous nature of that particular soil pile.

IV. OBSERVATIONS

The following is a summary of the primary observations throughout the data collection and interpretation phase of the work in the South Lot. These bullet points should be integrated into a final summary and analysis of the program when site work is accomplished.

1. Once excavated from the area beneath and surrounding Building 65, the soil was placed within secondary containment in in the South Parking Lot and allowed to undergo solar exposure. At this time, and proceeding throughout the South Lot residence, foreign material such as concrete and steel has been removed from the soil and segregated. Adequate drainage and surface covering was also initially recommended.

   During the excavation, placement and subsequent residence of this material, it was found that the levels of Total Petroleum Hydrocarbons (TPH) dramatically decreased as compared to either levels measured prior to soil transport, or those measured upon its arrival to the South Lot.

2. In the areas tested, no traces of volatile organic compounds (VOCs) have been detectable by EPA tests for aromatic hydrocarbons or chlorinated hydrocarbons after solar exposure. The soils can be therefore classified as Connecticut regulated wastes (as determined by TPH levels) which are not considered hazardous wastes by the state.

3. The odors of some soils have been locally unpleasant and of high level initially, but on solar exposure all soils have naturally deodorized. Odor is a feature which is unquestionably recognized but difficult to quantify by current EPA methodologies.

4. Oil levels have been measured as Total Petroleum Hydrocarbons (TPH) using Standard Methods Test 503E. This method is designed to measure petroleum oils as distinguished from vegetable and animal oils and greases. The reader can be alerted to the fact that the chemical analysis of mixed soils is extremely difficult to reproduce exactly on a practical commercial basis.

5. The soils containing varying pockets of (TPH) contamination took time proportionate to TPH level to naturally diminish below the arbitrary level of 200 ppm set for comparison. In a two foot lift of solar exposed soil, the top surface and middle layer were generally lower in TPH level than the bottom layer, as was initially expected.

6. With solar exposed soil some reduction in overall TPH value of the upper layers occurred. Initially, soil had TPH of the broad range 650 to 900 parts per million (ppm). Soil allowed to undergo a first phase solar exposure had TPH values in the middle and upper layers as low as 100 to 150 but usually in the range 250 to 500 ppm.

   In fact, although no Chain of Custody forms are on record for the initial samples taken of the soil at Building 65, these early analytical data indicate TPH levels well over 10,000ppm and the levels of various 8010/8020 constituents in the "ppm" range. A sample of these data are included as Appendix A. Upon movement to the South Lot, these levels fell off immediately.

V. CONCLUSIONS

1. Coastal has discovered that the level of solvents dropped rapidly under natural conditions of exposure to sun and weather. In some cases depending on the type and viscosity of the oil and the porosity, grain size, and other properties of the soil it was also found that the oil levels measured as total petroleum hydrocarbon level and odors also could drop and that the soil could then be used for certain applications on-site or within the state.

2. On September 19, 1990, the soil holding area was inspected and modified to remain in compliance with regulatory guidances. The soil lifts were adjusted to assist further access and testing capabilities.

3. The final samples of soil taken by Dr. Donald Dobay, P.E. representing Coastal in December 1990 showed no detectable TPH, meaning a TPH level lower than the analytical detection limit of 25 ppm for those areas specifically tested. Textron resumed the sampling themselves in January, 1991, using TPH as an indicator of chemical transition.

4. This procedure has been discussed with the Connecticut Department of Environmental Protection (DEP) and witnessed by their representatives. The DEP has discussed this method and has informally agreed that, as long as no active on-site treatment is to be conducted, no RCRA Part B permit would be necessary. This is consistent with the stated goals of temporary soil storage awaiting transportation.

   Soil stored in this manner and ultimately maintaining the contaminent levels present has been determined non-hazardous by the DEP, Solid Waste Division and deemed accepable to remain on-site. It should be noted that this decision covers only the 2000cu yd of soil formally presented to the CTDEP for judgment.

VI. RECOMMENDATIONS

Significant improvement in soil conditions have been observed through the natural processes described herein. It is therefore the recommendation of Coastal that;

1. continued oversight and testing of the soil chemistry be done and conditions of the piles by maintained,
2. further, far more extensive, sampling of the South Lot be conducted to substantiate the interpretations discussed herein,
3. to comply with regulatory guidances, the soil piles should continue to be covered as much as reasonably possible, and that the drainage system should be maintained and inspected,
4. the lifts continue to be segregated for solid waste and other foreign material which may complicate transportation,
5. if natural contaminant decrease continues, this entire quantity of soil material may be deemed by the CTDEP to remain on-site permanently. For this to occur, it is important that no formal on-site treatment be conducted without a permit, and that a statistically valid sampling program be done on the soil to be presented as non-hazardous, and
6. this process of soil pile management, testing and subsequent CTDEP concurrence should continue until all South Lot soils are dealt with in a manner compliant with regulatory guidances.

TABLE I

South Lot Soils:

Analytical Data and Samples

Table I. South Lot Soils
Analytical Data and Samples
Page 1

Sample ID (1)	Sample Depth (2)	TPH ppm (3)	% Total Solids (4)	VOCs 8010 (5)	VOCs 8020 (6)	RCRA 8 Metals	Comments
0718-1	M	65					Composite (Milford Materials Lab)
0718-1	M	89					Composite (Environmental Monitoring Lab)
0718-2	S	4					Reddish streak, surface (Milford Materials Test Lab)
0724-1	M	90					Composite (Milford Materials Lab)
0725-103	M	92		BDL	BDL		Composite Remove & Start new lift (CT. Test Lab)
0801-103	M	260		BDL	BDL		Composite (CT. Test Lab)
							NOTE: All remaining analysis by Connecticut Test Lab
0801-103	M	212		BDL	BDL		Recheck
0816-103	S	734		BDL	BDL		Composite fresh lift, 2 hours after placement
0817-101-S	S	590		BDL	BDL		Composite of same lift, next day
0817-101-1	M	360		BDL	BDL		Composite of same lift, next day
0817-101-2	B	840		BDL	BDL		Composite of same lift, next day
0820-101	S	760		BDL	BDL		Composite. Additional foot spread on surface 8/18/90
0820-102	M	480		BDL	BDL		Composite. Additional foot spread on surface 8/18/90
0820-103	B	800		BDL	BDL		Composite. Additional foot spread on surface 8/18/90
0821-101	S	612		BDL	BDL		Composite. Soil has light odor.
0821-102	M	347		BDL	BDL		Composite Soil has light odor.
0821-103	B	1112		BDL	BDL		Composite. Soil has ligt odor.
0821-104	M	145		BDL	BDL		Composite from a stockpile of previous soil.

Footnotes

(1) Sample ID includes date, i.e. 0718-1 indicates the first sample taken on 7/18/90.
(2) Sample depth: S = Surface; M = Middle; B = Bottom
(3) TPH = Total Petroleum Hydrocarbons by Standard Method 503E, expressed in mg/kg or parts per million
(4) % Total Solids by drying at 105 C to constant weight
(5) VOCs = Volatile Organic Compounds; BDL = Below Detection Limits by EPA Method 8010
(6) VOCs = Volatile Organic Compounds; BDL = Below Detection Limits by EPA Method 8020
(7) RCRA 8 Metal samples taken these days, refer to data sheets in Appendix B.

Table I. South Lot Soils
Analytical Data and Sample
Page 2

Sample ID (1)	Sample Depth (2)	TPH ppm (3)	% Total Solids (4)	VOCs 8010 (5)	VOCs 8020 (6)	RCRA 8 Metals (7)	Comments
0823-101	S	460		BDL	BDL		Composite
0823-102	M	423		BDL	BDL		Composite
0823-103	B	736		BDL	BDL		Composite
0827-101	S	386		BDL	BDL		Composite heavy rain 8/24. Still wet & sticky.
0827-102	M	258		BDL	BDL		Composite heavy rain 8/24. Still wet & sticky.
0827-103	B	497		BDL	BDL		Composite heavy rain 8/24. Still wet & sticky.
0830-101	S	448		BDL	BDL	*	Composite Soil damp but not sticky Remediation area expande
0830-102	M	749		BDL	BDL	*	Composite Soil damp but not sticky Remediation area expande
0830-103	B	336		BDL	BDL	*	Composite Soil damp but not sticky Remediation area expande
0904-101	S	635		BDL	BDL	*	Composite Fresh lot on 9/2 & 9/4. Strong odor.
0904-102	M	883		BDL	BDL	*	Composite
0904-103	B	1421		BDL	BDL	*	Composite
0911-101	M	576		BDL	BDL	*	Composite
0917-101	S	147	89.93	BDL	BDL		Composite. Lift has been down for a week.
0917-102	M	396	89.33	BDL	BDL		Composite
0917-103	B	377	89.97	BDL	BDL		Composite

Soil lift modified, Semptember 19, 1990

Footnotes: Same as Page 1 of Table I

Table I. South Lot Soils
Analytical Data and Sample
Page 3

Sample ID (1)	Sample Depth (2)	TPH ppm (3)	% Total Solids (4)	VOCs 8010 (5)	VOCs 8020 (6)		Comments
0925-101	M	346	93.52	BDL	BDL		Composite of modified soil. Fresh lift put down, 9/20
1003-101	S	623	97.61	BDL	BDL		Composite of modified soil. Lift is now only 14-16" deep.
1003-102	B	147	93.94	BDL	BDL		Composite of modified soil.
1016-101		116	84.16	BDL	BDL		Composite taken from primary pile. Very wet. Oily odor
1016-102		156	89.84	BDL	BDL		Composite from pile of material on hold. Much drier. Very little odor.
1018-104	M	145	82.99	BDL	BDL		Working pile still wet. Distinctive odor of low level intensity.
1018-105		265	92.55	BDL	BDL		Reserve pile much drier. Very little odor - north of working pile
1029-101	M	142	87.00	BDL	BDL	*	Working lift - middepth of plow furrow - taken off as exposed material
1102-101	M	276	91.81	BDL	BDL	*	New lift 10/30. Removed 11/5. Fresh lift from E end of long stockpile p
1109-101	M	1529	94.14	BDL	BDL		Removed on 11/9. New lift on 11/10
1116-101	M	71	81.57	BDL	BDL		Down 1 week-still moist after heavy rain on weekend. Removed after samp
1121-101	M	114	92.02	BDL	BDL		Thick lift placed on 11/19 - no odor- appears dry. Removed 11/26
1130-101	M	198	89.16	BDL	BDL		Odoriferous lift placed on 11/26. Odor now barely detectable. Removed 1
							The 11/5 lift that was removed on 11/9 was reinstalled on 12/5 and worked until 12/11
							New lift from E end of long stockpile down on 12/11 and up on 12/17
1224-101	M	25	85.5	BDL	BDL		New lift from E end of long stockpile down on 12/19

Footnotes: Same as Page 1 of Table I
* RCRA 8 Metals see more information in Appendix B

APPENDIX A

Sample Early Analytical Data taken by Textron
at Building 65 prior to transport to South Lot

Appendix A: Early Soil Analytical Data
(taken at Building 65 Textron)

Sample	Location	Data
891220-2	B-65 (Babcock)	10,100 ppm TPH
891220-3	B-65 (Babcock)	11,200 ppm TPH
900313-1	B-65 NE Corner (RDB)	8010, 8020 BDL
900313-2	B-65 NE Corner (RDB)	8010, 8020 BDL
900321-3	B-65 excavation (RDB)	VOCs - BDL
900321-4	B-65 excavation (RDB)	46.4 CH(2) CL(2) other BDL
900321-1	B-65 excavation (RDB)	TPH 320 ppm
900321-2	B-65 excavation (RDB)	TPH 3590 ppm
900323-3	B-65 excavation*(RDB)	VOCs - BDL
900323-4	B-65 excavation*(RDB)	VOCs - BDL
900323-5	B-65 excavation*(RDB)	Toluene 120 ppb
900323-1	B-65 excavation B-9 * (RDB)	.06 Cd, .02 Cr, 0.19 lead 6,190 ppb xylenes + 1,045 Et Benz
900323-2	B-65 excavation B-9 * (RDB)	0.04 Cd, BDL Cr, 0.10 lead 12,080 ppb eylenes + 9320 Benz + 3525 Et Benzene + 3870 Toluene

*Sketch shows samples at L-4

Appendix A: Early Soil Analytical Data
(taken at Building 65 Textron)

Sample	Location	Data	
900323-Tex	????????	120 ppb 1,1,1-Trichloroethane	
		TPH(ppm)	VOCs
900409-1	South lot stock pile	200	BDL - 8010, 8020
900409-2	South lot stock pile	1670	BDL - 8010, 8020
900409-3	South lot stock pile	690	BDL - 8010, 8020
900409-4	South lot stock pile	75	BDL - 8010, 8020
900409-5	South lot stock pile	1825	BDL - 8010, 8020
900409-6	South lot stock pile	6785	BDL - 8010, 220 ppb Benzene 510 ppb Ethy/Benzene 132 ppb Xylenes
900402-1	B-65 West side (RDB)	8010, 8020 BDL	
900402-2	(Sketch shows sample at B-6)	8010, 8020 BDL	
900405-8	B-65 sketch shows location at M/2 (RDB)	19.6ppb 1,1 Dichloroethane 35.9 1,1,1, Trichloroethane 6,730 ppb Ethyl Benzene 99,450 ppb Toluene 30,370 ppb Xylenes (total)	
900326-5	????????	4.0 ppm TPH	
900328-6	????????	1.9 ppb t-1,2 dichloroethylene 3.0 tetrachloroethy line 10.9 Trichloroethylene	

Appendix A: Early Soil Analytical Data
(taken at Building 65 Textron)

Sample	Location	Data
900328-1	B-65 excavation (RDB)	Tph 7700 ppm 477.7 ppb ethyl benzene 789.2 ppb xglenes
900328-3	B-65 (RDB)	22,800 TPH (ppm) 3600 ettyl benzene 118 toluene 5219 xylenes
900411-1	B-65 at gate 58	15.0 TPH
900411-2	B-65 (MPN)	35.0 TPH
900411-2	B-65 (MPN)	41,500 TPH
900423-1	B-65 Pit @ M-5 (RDB)	TPH12,600 ppm 123 ppb Benzene 871 Chlorobenzene 194 Ethyl Benzene 4353 xylenes
900423-3	B-65 Pit @ H/6 3' down	5800 ppm TPH 4 ppb 1,1 dichloroethane 1 ppb 1,1,1 trichloethane 840 ppb ethyl benzene 2420 xylenes

Appendix A: Early Soil Analytical Data
(taken at Building 65 Textron)

Sample	Location	Data
900615-1	South Lot (RDB)	0.77 lead
900615-2		14.2 toluene
900615-3		3.13 lead VOCs BDL
900615-4		1.94 lead VOCs DBL
900615-5		.43 lead 37 toluene
		.18 lead 72 Toluene
		275 xylene
900615-6		.40 lead VOCs BDL
900615-7		.10 lead 17 toluene
900615-8		.28 lead VOCs BDL
900615-9		.38 lead 28 Toluene
		14 xylenes
900615-10		.56 chrome VOCs BDL
		.49 lead
900618-1	B-65 (JSF)	.12 lead (by EP tex)
		74 lead (mass total)
900619-10	B-65 (TF/JA)	7,200 TPH 8010, 8020 BDL
	Rowa pile 14	24.3 ppm Cr
900626-4	B-65 yellow sand (MPN)	24.1 ppm Cr
		VOCs BDL
900626-3	B-65 yellow sand (MPN)	8 chlorabezene
		278 ethyl benzene
		154 toluene
		401 xylenes
		1.1 1,1,1 tri chloroethene

APPENDIX B

Chain of Custody Forms

Analytical Lab Reports

Please note that those Chain of Custody entries not specifying "South Lot" in the Comments section are samples not taken in the South Lot and therefore not included in this report. For discussion of those data, refer to Coastal's Material Process Center, Building # 65 Report (5/91)

DOBAY SERVICES
9 KENT LANE
BLOOMFIELD, CT 06002
203-242-0556

CHAIN-OF-CUSTODY RECORD

№

PROJECT NAME: Textron - Lycoming B-65
PROJECT LOCATION: Stratford
PROJECT NUMBER: 1-299395

REPORT TO: Mike Voscato Dennis Babcock / Donald Dobay
INVOICE TO: Textron Lycoming

Source Codes: W=Well, O=Outfall, RO=Run Off, R=River/Stream, B=Bottom Sediment; ST=Septic Tank, S=Soil, SG=Sludge, LF=Landfill, L=Lake/Ocean, T=Treatment Facility; X=Other, Specify

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
A	900718-1	S	3	G	4oz	I	O&G (TPH)	South Lot - scarified composite of 6 locations - blended to provide 3 jars of "uniform" composition				
B	900718-2	S	1	G	4oz	I	O&G (TPH)	South Lot - containated run off (reddish brown streaks on surfaces)				

Container Code: P = Plastic, E = EPA VIAL, C = Cube, G = Glass, A = Amber Glass, B = Bacteria Bottle
Preservative Code: I = Iced, F = Filtered, N = Nitric Acid (HNO_3), H = Hydrochloric Acid (HCl), S = Sodium Hydroxide (NaOH), T = Sodium Thiosulfate
O = Other *Specify*

Sampler's Signature	Affiliation	Date	Time
Donald G Dobay	Crastal	7/18	2 PM

ADDITIONAL COMMENTS

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	A, B	Donald G Dobay	Bruce Mitchell	7/18/90	4:15 PM
2					
3			(Milford)		
4					

MILFORD MATERIALS TESTING LABORATORY, INC.

655 Plains Rd • Milford Connecticut 06460

(203) 877-3163

July 30, 1990
Test M47662

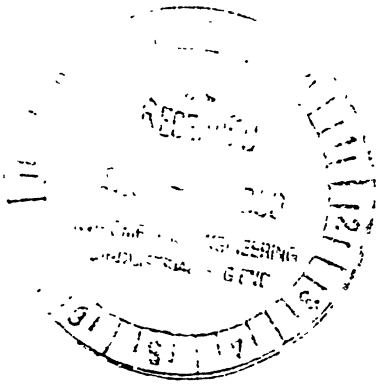
Mail to P.O Box 493
Milford, Conn. 06460

To: Textron-Lycoming Div.
550 South Main St.
Stratford, CT. 06497

Att: Mr. Michael Nosenzo Plant Eng.

From: Burt M. St. Clair

Re: Exam of 2 soil samples 7/18/90 PO H284522
900718-1+2



Test	Result	
	900718-1	900718-2
Total Hydrocarbons	250	230 ppm
Hydrocarbon Fraction	65.0	40.0 ppm

Burt M. St. Clair

OBAY SERVICES
9 KENT LANE
BLOOMFIELD, CT 06002
203-242-0556

CHAIN-OF-CUSTODY RECORD

№

PROJECT NUMBER: 1-299395

PROJECT LOCATION: Stratford

PROJECT NAME: Textron - Lycoming B-65

REPORT TO: Dennis Babcock / Donald Dobay

INVOICE TO: Textron Lycoming

Source Codes: ST=Septic Tank, S=Soil, W=Well, O=Outfall, SG=Sludge, RO=Run Off, LF=Landfill, R=River/Stream, L=Lake/Ocean, B=Bottom Sediment, T=Treatment Facility, X=Other, Specify

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO.	CONTAINER TYPE	CONTAINER SIZE	PRESERV.	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
A	900718-1	S	3	G	4G	I	O&G (TPH)	South Lot - scarified composite of 6 locations - blended to provide 3 jars of composite				
B	900718-2	S	1	G	4G	I	O&G (TPH)	South Lot - contained run off (reddish brown streaks on surfaces)				

Container Code: P = Plastic, E = EPA VIAL, C = Cube, G = Glass, A = Amber Glass, B = Bacteria Bottle
Preservative Code: I = Iced, F = Filtered, N = Nitric Acid (HNO_3), H = Hydrochloric Acid (HCl), S = Sodium Hydroxide (NaOH), T = Sodium Thiosulfate

TRANSFERS RELINQUISHED BY	Date	Time	TRANSFER NUMBER	ITEM NUMBER	ACCEPTED BY	DATE
Donald Dobay					R D Cook	7/18/90
					Donald Dobay	7/19
						7/19

Textron-Lycoming

REPORT OF RESULTS

Your Sample ID: H-299395 Date Submitted: 07-19-90

EML Sample ID: 900719B-TEX Date(s) Analyzed: 07-19 to 07-25-90

* * * RESULTS REPORTED IN mg/kg* * *
(Unless otherwise noted)

	900718-1
Total Petroleum Hydrocarbons (418.1)	89.0

Transcriptional Reviewer J. Sand

Technical Reviewer [signature] Title GM.

EML, INC. WALLINGFORD CT
CT CERTIFICATION PH 0509
NY CERTIFICATION ELAP 10981

ENVIRONMENTAL MONITORING LABORATORY, INC.

JAY SERVICES
9 KENT LANE
BLOOMFIELD, CT 06002
203-242-0556

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME: Textron - Lycoming | PROJECT LOCATION: Stratford | PROJECT NUMBER:

REPORT TO: Mike Nowenzo /cc. D. Doby

INVOICE TO: Textron

Source Codes: W=Well, O=Outfall, RO=Run Off, R=River/Stream, B=Bottom Sediment, ST=Septic Tank, S=Soil, SG=Sludge, LF=Landfill, L=Lake/Ocean, T=Treatment Facility, X=Other, Specify

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV.	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
							Rush - Need 7/25 AM ASAP					
A	900724-1	S	1	G	2q	Rush	VOC 8020	south Lot -				
							O+G (TPH)	Scarified - Composite				
B	900724-2	S	1	G	2q	Rush	VOC 8020	Coastal -				
							O&G (TPH)	Environmental				
C	900724-3	S	1	G	2q	Normal Rush	VOC 8020	From dig at				
							O&G (TPH)	A-9 6-7 ft down				

Container Code: P = Plastic, E = EPA VIAL, C = Cube, G = Glass, A = Amber Glass, B = Bacteria Bottle
Preservative Code: I = Iced, F = Filtered, N = Nitric Acid (HNO_3), H = Hydrochloric Acid (HCl), S = Sodium Hydroxide (NaOH), T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
Donald G Day	Coastal	7/24	4:15

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	A, B, C	Donald G Day	D. Montrom	7/25/90	9:30 am
2					
3					
4					

ADDITIONAL COMMENTS

Please fax Chain of Custody to Mike Nowenzo

MILFORD MATERIALS TESTING LABORATORY, INC.

655 Plains Rd • Milford, Connecticut 06460

(203) 877-3163

July 27, 1990
Test M47689

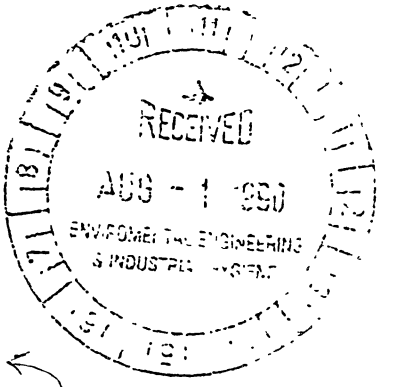
Mail to P.O. Box 493
Milford, Conn. 06460

To: Textron-Lycoming Div.
550 South Main St.
Stratford, CT. 06497

Att: Mr. Michael Nosenzo Plant Eng.

From: Burt M. St. Clair

Re; Exam of 3 soil samples 7/24/90 PO H284522
#900724-1-2-3



Test	Result		
	900724-1	2	3
Total Hydrocarbons	290.0	170.0	350.0 ppm
Hydorcarbon Fraction	90.0	50.0	70.0 ppm

TPH (?)

The samples were analyzed as per EPA Method 8020
The results are listed on the following page in ppb.

Burt M St Clair

Burt M. St. Clair

July 27, 1990
Test M47689

Method 8020 - Aromatic Volatile Organics

	900724-1	2	3
Benzene	NDL 1 ppb	NDL 1 ppb	NDL 1 ppb
Chlorobenzene	"	"	"
1,2-Dichlorobenzene	"	"	"
1,3-Dichlorobenzene	"	"	"
1,4-Dichlorobenzene	"	"	"
Ethyl benzene	"	"	"
Toluene	"	"	"
m-Xylene	"	"	"
o-Xylene	"	"	"
p-Xylene	"	"	"

Textron Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME: Building 65

PROJECT LOCATION: Stratford, Connecticut (Bldg. 65/South Lot)

PROJECT NUMBER: H299395

REPORT TO: M. Nosenzo/D.Babcock

INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other,Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
C	900725-103	S	1	G	4oz		O+G (TPH); 8010; 8020	Scraped soil, south lot				
D	900725-104	S	1	G	4oz		O+G (TPH); 8010; 8020 WITH DRAWN	Untreated soil, south lot				

Container Code P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
Donald G. Dery	Coastal	7/25	3:15

ADDITIONAL COMMENTS

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	C, D	Donald G. Dery	Richard D. Johnson	7-25-90	3:40 pm
2					
3					

7-30

JOHN
ATTACHED ARE THE
LAB REPORTS FOR OIL
FAX'D TO YOU
FOR CHANGE
AEI.

July 26, 1990

Advanced Environmental Interface
438 Smith St.
Middletown, CT 06457

Att: Mr. Joe Santovasi

RE: LAB. No. 70-272-2P
P.O. No. AEI-90R-003
Inv. No. 15762

Dear Mr. Santovasi :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : July 25, 1990

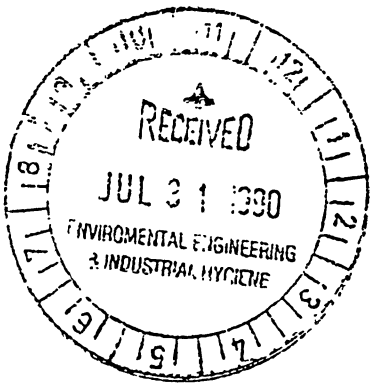
All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr



connecticut testing laboratories inc.
WATER | SOIL | AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE | 203/634-3731
165 GRACEY AVENUE | MERIDEN, CT | 06450

Client : Advanced Environmental Interface
Lab No.: 70-272-2P
PO No. : AEI-90R-003
Date : 7-26-90

EPA 418.1

RESULTS OF ANALYSIS

CTL Sample No.		5936 900725-102	5937 900725-103		
Oil & Grease (HC)-ppm		31	92		

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client : Advanced Envir. Interface		Date Recd	: 7-25-90
Lab No.: 70-270-3P		Date Tested	: 7-25-90
PO No. : AEI-90R-003		Analyst	: RS
Date : 7-26-90			

EPA METHOD 601/8010

CTL Sample No.	MDL	5936 900725 102	5937 900725 103		
Chloromethane	50	BDL	BDL		
Bromomethane	50	BDL	BDL		
Vinylchloride	50	BDL	BDL		
Chloroethane	50	BDL	BDL		
Methylenechloride	25	BDL	BDL		
Trichlorofluoromethane	25	BDL	BDL		
11-Dichloroethylene	25	BDL	BDL		
11-Dichloroethane	25	BDL	BDL		
T12-Dichloroethylene	25	BDL	BDL		
Chloroform	25	BDL	BDL		
12-Dichloroethane	25	BDL	BDL		
111-Trichloroethane	25	BDL	BDL		
Carbontetrachloride	25	BDL	BDL		
Bromodichloromethane	25	BDL	BDL		
12-Dichloropropane	25	BDL	BDL		
T13-Dichloropropylene	25	BDL	BDL		
Trichloroethylene	25	BDL	BDL		
Dibromochloromethane	25	BDL	BDL		
112-Trichloroethane	25	BDL	BDL		
Cis13-Dichloropropylene	25	BDL	BDL		
2-Chlorethylvinylether	25	BDL	BDL		
Bromoform	25	BDL	BDL		
1122-Tetrachloroethane	25	BDL	BDL		
Tetrachloroethylene	25	BDL	BDL		
Chlorobenzene	25	BDL	BDL		
Benzyl Chloride	50	BDL	BDL		
Bis(2-chlorethoxy)methane	50	BDL	BDL		
Bis(2-chloroisopropyl)eth	50	BDL	BDL		
Bromobenzene	25	BDL	BDL		
Chloracetaldehyde	50	BDL	BDL		
1-Chlorohexane	25	BDL	BDL		
Chloromethyl methyl ether	50	BDL	BDL		
Chlorotoluene	25	BDL	BDL		
Dibromomethane	25	BDL	BDL		
12-Dichlorobenzene	25	BDL	BDL		
13-Dichlorobenzene	25	BDL	BDL		
14-Dichlorobenzene	25	BDL	BDL		
Trichloropropane	25	BDL	BDL		

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client : Advanced Environmental Interface
Lab No.: 70-270-3P
PO No. : AEI-90R-003
Date : 7-26-90

SHOULD READ: 900725

EPA METHOD 602/8020

CTL Sample No.	MDL	5935 900728 101			
Benzene	1	BDL			
Toluene	1	BDL			
Ethyl Benzene	1	BDL			
P & M Xylene	1	BDL			
O- Xylene	1	BDL			
1,4-Dichlorobenzene	1	BDL			
1,3-Dichlorobenzene	1	BDL			
1,2-Dichlorobenzene	1	BDL			

MDL = Minimum Detectable Level/BDL = Below Detection Level/ UNITS=PPB

Client : Advanced Environmental Interface
Lab No.: 70-270-3P
PO No. : AEI-90R-003
Date : 7-26-90

EPA METHOD 602/8020

CTL Sample No.	MDL	5936 90072S 102	5937 90072S ← 900725 103		
Benzene	50	BDL	BDL		
Toluene	50	BDL	BDL		
Ethyl Benzene	50	BDL	BDL		
P & M Xylene	50	BDL	BDL		
O- Xylene	50	BDL	BDL		
1,4-Dichlorobenzene	50	BDL	BDL		
1,3-Dichlorobenzene	50	BDL	BDL		
1,2-Dichlorobenzene	50	BDL	BDL		

MDL = Minimum Detectable Level **BDL** = Below Detection Level

ALL **UNITS IN PPB** UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME: Building 65

PROJECT LOCATION: Stratford, Connecticut (Bldg. 65/South Lot)

PROJECT NUMBER: H299395

REPORT TO: M. Nosenzo/D.Babcock

INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other,Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
A	900801-101	GW	2	E	40ml	Cool 4°C	VOC 8010, 8020	Water standing N Line				
B	900801-102	X	1	G	8oz	Cool 4°C	VOC 8010, 8020	Black stains				
				Teflon cap			TCLP - 8 metals	taz - A Line				
							O&G (TPH)					
C	900801-103	S	1	G	8oz	Cool 4°C	VOC 8010, 8020	South Cut -				
				Tefl. cap			~~VOC~~ O&G (TPH)	Composite 3 samples				

Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code: I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
Donald G O'Day	Coastal	8/1/90	

ADDITIONAL COMMENTS:

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	A, B, C	Donald G O'Day	Bldg 18		
2					

August 7, 1990

Advanced Environmental Interface
438 Smith St.
Middletown, CT 06457

Att: Mr. Joe Santovasi

RE: LAB. No. 80-009-1P
P.O. No. AEI-90R-003
Inv. No. 15904

Dear Mr. Santovasi :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 3, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE : 203/634-3731
165 GRACEY AVENUE · MERIDEN, CT 06450

Client : Advanced Envir. Interface	Date Recd : 8-3-90
Lab No.: 80-009-1P	Date Extracted: 8-3-90
PO No. : AEI-90R-003	Date Tested : 8-3-90
Date : 8-6-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	6424 900801 103			
Chloromethane	50	BDL			
Bromomethane	50	BDL			
Vinylchloride	50	BDL			
Chloroethane	50	BDL			
Methylenechloride	25	BDL			
Trichlorofluoromethane	25	BDL			
11-Dichloroethylene	25	BDL			
11-Dichloroethane	25	BDL			
T12-Dichloroethylene	25	BDL			
Chloroform	25	BDL			
12-Dichloroethane	25	BDL			
111-Trichloroethane	25	BDL			
Carbontetrachloride	25	BDL			
Bromodichloromethane	25	BDL			
12-Dichloropropane	25	BDL			
T13-Dichloropropylene	25	BDL			
Trichloroethylene	25	BDL			
Dibromochloromethane	25	BDL			
112-Trichloroethane	25	BDL			
Cis13-Dichloropropylene	25	BDL			
2-Chlorethylvinylether	25	BDL			
Bromoform	25	BDL			
1122-Tetrachloroethane	25	BDL			
Tetrachloroethylene	25	BDL			
Chlorobenzene	25	BDL			
Benzyl Chloride	50	BDL			
Bis(2-chlorethoxy)methane	50	BDL			
Bis(2-chloroisopropyl)eth	50	BDL			
Bromobenzene	25	BDL			
Chloracetaldehyde	50	BDL			
1-Chlorohexane	25	BDL			
Chloromethyl methyl ether	50	BDL			
Chlorotoluene	25	BDL			
Dibromomethane	25	BDL			
12-Dichlorobenzene	25	BDL			
13-Dichlorobenzene	25	BDL			
14-Dichlorobenzene	25	BDL			
Trichloropropane	25	BDL			

MDL= Minimum Detectable Level/**BDL=** Below Detection Level/**UNITS=** PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Advanced Envir. Interface	Date Recd : 8-3-90
Lab No.: 90-009-1P	Date Extracted: 8-3-90
PO No. : AEI-90R-003	Date Tested : 8-3-90
Date : 8-6-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	6424 900801 103			
Chloromethane	50	BDL			
Bromomethane	50	BDL			
Vinylchloride	50	BDL			
Chloroethane	50	BDL			
Methylenechloride	25	BDL			
Trichlorofluoromethane	25	BDL			
11-Dichloroethylene	25	BDL			
11-Dichloroethane	25	BDL			
T12-Dichloroethylene	25	BDL			
Chloroform	25	BDL			
12-Dichloroethane	25	BDL			
111-Trichloroethane	25	BDL			
Carbontetrachloride	25	BDL			
Bromodichloromethane	25	BDL			
12-Dichloropropane	25	BDL			
T13-Dichloropropylene	25	BDL			
Trichloroethylene	25	BDL			
Dibromochloromethane	25	BDL			
112-Trichloroethane	25	BDL			
Cis13-Dichloropropylene	25	BDL			
2-Chlorethylvinylether	25	BDL			
Bromoform	25	BDL			
1122-Tetrachloroethane	25	BDL			
Tetrachloroethylene	25	BDL			
Chlorobenzene	25	BDL			
Benzyl Chloride	50	BDL			
Bis(2-chlorethoxy)methane	50	BDL			
Bis(2-chloroisopropyl)eth	50	BDL			
Bromobenzene	25	BDL			
Chloracetaldehyde	50	BDL			
1-Chlorohexane	25	BDL			
Chloromethyl methyl ether	50	BDL			
Chlorotoluene	25	BDL			
Dibromomethane	25	BDL			
12-Dichlorobenzene	25	BDL			
13-Dichlorobenzene	25	BDL			
14-Dichlorobenzene	25	BDL			
Trichloropropane	25	BDL			

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client : Advanced Environmental Interface
Lab No.: 80-009-1P
PO No. : AEI-90R-003
Date : 8-6-90

EPA METHOD 602/8020

CTL Sample No.	MDL	6424 900801 103			
Benzene	50	BDL			
Toluene	50	BDL			
Ethyl Benzene	50	BDL			
P & M Xylene	50	BDL			
O- Xylene	50	BDL			
1,4-Dichlorobenzene	50	BDL			
1,3-Dichlorobenzene	50	BDL			
1,2-Dichlorobenzene	50	BDL			

MDL = Minimum Detectable Level

BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Called [illegible] w/ results 8/13

August 8, 1990

COPY

Advanced Environmental Interface
438 Smith St.
Middletown, CT 06457

Att: Mr. Joe Santovasi

RE: LAB. No. 80-028-1P
P.O. No. AEI-90R-003
Inv. No. 15943

Dear Mr. Santovasi :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 3, 1990

All testing procedures comply with EPA/DEP approved methods.Results reported in Mg/L indicate the sample matrix to be water or an EP Toxicity Extract. Results with PPM or Mg/Kg indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in PPB for soil and water and PPM for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE 203/634-3731
165 GRACEY AVENUE MERIDEN CT 06450

Client : Advanced Environmental Interface
Lab No.: 80-028-1P
PO No. : AEI-90R-003
Date : 8-8-90

EPA 418.1

RESULTS OF ANALYSIS

CTL Sample No.	6424 900801-103			
Oil & Grease (HC)-ppm	260			

re v 2/2

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

№

PROJECT NAME:	PROJECT LOCATION	PROJECT NUMBER
Building 65	Stratford, Connecticut (Bldg. 65/South Lot)	H299395

REPORT TO: M. Nosenzo/D. Babcock
INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other, Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
101	900816-101	GW	2	E	40	I	VOC 8010, 8020	Groundwater - Dig				
								at L/14				
102	900816-102	S	1	G	8oz	I	TCLP - 8 metals	Soil - bottom of				
				Teflon lined			VOC 8010, 8020	pit at L/14 7-8'	BG			
							D&G (TPH)					
103	900816-~~1035~~	S	1	G	8oz	I	~~TCLP - 8 Mtls~~	Composite - South				
	-1035			Teflon lined			D&G (TPH)	Lot - 6 points -				
							VOC 8010, 8020	Surface - 2 hrs				
								after new mark				
								spread out				

Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code: I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
[signature]	Conestoga	8/16	3:30

ADDITIONAL COMMENTS

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	101-103	[signature]	[signature]	8/16	5:15
2					
3					

Client : Textron Lycoming
Lab No.: 80-399-2
PO No. : H299395 Bldg. 65
Date : 8-30-90

TCLP

RESULTS OF ANALYSIS

CTL Sample No.	6924 900816-102			
Arsenic-mg/L	ND<0.05			
Barium-mg/L	ND<0.5			
Cadmium-mg/L	0.01			
Chromium, Total-mg/L	0.10			
Lead-mg/L	ND<0.05			
Mercury-mg/L	ND<0.002			
Selenium-mg/L	ND<0.01			
Silver-mg/L	ND<0.01			
Oil & Grease (HC)-ppm	47			

CTL Sample No.	6925 900816-103S			
Oil & Grease (HC)-ppm	734			

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No PH-0547

Resubmitted
September 4, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 80-246-3
P.O. No. H299395 BLDG. 65
Inv. No. 16210

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 17, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE 203/634-3731

165 GRAC[illegible] [illegible] 06450

TEXTRON Lycoming

NO Facility

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME:	PROJECT LOCATION	PROJECT NUMBER
Building 65	Stratford, Connecticut (Bldg. 65/South Lot)	H299395

REPORT TO: M. Nosenzo/D.Babcock

INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other,Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
101S	900817-101S	S	1.	G	8oz	I	O&G (TPH) VOC 8010, 8020	South Lot -				
				Tyler Lap				scarified				
								Surface				
101-1'	900817-101-1'	S	1	G	8oz	I	Same	South Lot -				
				Tyler				scarified 1 ft down				
101-2'	900817-101-2'	S	1	G	8oz	I	Same	South LOT				
								scarified - 2 ft down				

Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code: I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other *Specify*

Sampler's Signature	Affiliation	Date	Time
Donald G Dery	Coastal	8/17	10 AM

ADDITIONAL COMMENTS

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	101S-101-1'	Donald G Dery	[illegible]		1:4[illegible]
2	101-2				
3					

Client : Textron Lycoming
Lab No.: 80-246-3
PO No. : H299395 Bldg. 65
Date : 8-23-90

EPA 418.1

RESULTS OF ANALYSIS

CTL Sample No.	**6973 900817 101-S**	**6974 900817 101-1**	**6975 900817 101-2**	
Oil & Grease (HC)-ppm	590	360	840	

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

August 27, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 80-318-3
P.O. No. H299395 BLDG. 65
Inv. No. 16285

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 16, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER ▪ SOIL ▪ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ▪ 203/634-3731
165 GRACEY AVENUE ▪ MERIDEN, CT ▪ 06450

Client : Textron Lycoming	Date Recd : 8-16-90
Lab No.: 80-318-3	Date Tested : 8-24-90
PO No. : H299395 Bldg. 65	Analyst : RS
Date : 8-27-90	

EPA METHOD 601/8010

	MDL	900816 101			
Chloromethane	10	BDL			
Bromomethane	10	BDL			
Vinylchloride	10	BDL			
Chloroethane	10	BDL			
Methylenechloride	1	BDL			
Trichlorofluoromethane	1	BDL			
11-Dichloroethylene	1	BDL			
11-Dichloroethane	1	BDL			
T12-DICHLOROETHYLENE	1	40.0			
Chloroform	1	BDL			
12-Dichloroethane	1	BDL			
111-TRICHLOROETHANE	1	95.0			
Carbontetrachloride	1	BDL			
Bromodichloromethane	1	BDL			
12-Dichloropropane	1	BDL			
T13-Dichloropropylene	1	BDL			
TRICHLOROETHYLENE	1	78.0			
Dibromochloromethane	1	BDL			
112-Trichloroethane	1	BDL			
Cis13-Dichloropropylene	1	BDL			
2-Chlorethylvinylether	1	BDL			
Bromoform	1	BDL			
1122-Tetrachloroethane	1	BDL			
Tetrachloroethylene	1	BDL			
Chlorobenzene	1	BDL			
Benzyl Chloride	10	BDL			
Bis(2-chlorethoxy)methane	10	BDL			
Bis(2-chloroisopropyl)eth	10	BDL			
Bromobenzene	1	BDL			
Chloracetaldehyde	10	BDL			
1-Chlorohexane	1	BDL			
Chloromethyl methyl ether	10	BDL			
Chlorotoluene	1	BDL			
Dibromomethane	1	BDL			
12-Dichlorobenzene	1	BDL			
13-Dichlorobenzene	1	BDL			
14-Dichlorobenzene	1	BDL			
Trichloropropane	1	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 80-318-3
PO No. : H299395 Bld. 65
Date : 8-27-90

EPA METHOD 602/8020

	MDL	900816 101			
Benzene	1	BDL			
TOLUENE	1	21.0			
Ethyl Benzene	1	BDL			
P & M XYLENE	1	2.0			
O- Xylene	1	BDL			
1,4-Dichlorobenzene	1	BDL			
1,3-Dichlorobenzene	1	BDL			
1,2-Dichlorobenzene	1	BDL			

MDL = Minimum Detectable Level/BDL = Below Detection Level/ UNITS=PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming	Date Recd : 8-16-90
Lab No.: 80-318-3	Date Tested : 8-24-90
PO No. : H299395 Bldg. 65	Analyst : RS
Date : 8-27-90	

EPA METHOD 601/8010

	MDL	900816 102	900816 103S		
Chloromethane	50	BDL	BDL		
Bromomethane	50	BDL	BDL		
Vinylchloride	50	BDL	BDL		
Chloroethane	50	BDL	BDL		
Methylenechloride	25	BDL	BDL		
Trichlorofluoromethane	25	BDL	BDL		
11-Dichloroethylene	25	BDL	BDL		
11-Dichloroethane	25	BDL	BDL		
T12-Dichloroethylene	25	BDL	BDL		
Chloroform	25	BDL	BDL		
12-Dichloroethane	25	BDL	BDL		
111-Trichloroethane	25	BDL	BDL		
Carbontetrachloride	25	BDL	BDL		
Bromodichloromethane	25	BDL	BDL		
12-Dichloropropane	25	BDL	BDL		
T13-Dichloropropylene	25	BDL	BDL		
Trichloroethylene	25	BDL	BDL		
Dibromochloromethane	25	BDL	BDL		
112-Trichloroethane	25	BDL	BDL		
Cis13-Dichloropropylene	25	BDL	BDL		
2-Chlorethylvinylether	25	BDL	BDL		
Bromoform	25	BDL	BDL		
1122-Tetrachloroethane	25	BDL	BDL		
Tetrachloroethylene	25	BDL	BDL		
Chlorobenzene	25	BDL	BDL		
Benzyl Chloride	50	BDL	BDL		
Bis(2-chlorethoxy)methane	50	BDL	BDL		
Bis(2-chloroisopropyl)eth	50	BDL	BDL		
Bromobenzene	25	BDL	BDL		
Chloracetaldehyde	50	BDL	BDL		
1-Chlorohexane	25	BDL	BDL		
Chloromethyl methyl ether	50	BDL	BDL		
Chlorotoluene	25	BDL	BDL		
Dibromomethane	25	BDL	BDL		
12-Dichlorobenzene	25	BDL	BDL		
13-Dichlorobenzene	25	BDL	BDL		
14-Dichlorobenzene	25	BDL	BDL		
Trichloropropane	25	BDL	BDL		

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 80-318-3
PO No. : H299395 Bld. 65
Date : 8-27-90

EPA METHOD 602/8020

CTL Sample No.	MDL	6924 900816 102	6925 900816 103S		
Benzene	50	BDL	BDL		
Toluene	50	BDL	BDL		
Ethyl Benzene	50	BDL	BDL		
P & M Xylene	50	BDL	BDL		
O- Xylene	50	BDL	BDL		
1,4-Dichlorobenzene	50	BDL	BDL		
1,3-Dichlorobenzene	50	BDL	BDL		
1,2-Dichlorobenzene	50	BDL	BDL		

MDL = Minimum Detectable Level

BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

August 27, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 80-331-3
P.O. No. H299395 BLDG. 65
Inv. No. 16290

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 17, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER ▪ SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ▪ 203/634-3731
165 GRACEY AVENUE · MERIDEN, CT ▪ 06450

Client : Textron Lycoming	Date Recd : 8-17-90
Lab No.: 80-331-3	Date Extracted: 8-24-90
PO No. : H299395 Bldg. 65	Date Tested : 8-24-90
Date : 8-27-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	6973 900817 101-S	6974 900817 101-1	6975 900817 101-2	
Chloromethane	50	BDL	BDL	BDL	
Bromomethane	50	BDL	BDL	BDL	
Vinylchloride	50	BDL	BDL	BDL	
Chloroethane	50	BDL	BDL	BDL	
Methylenechloride	25	BDL	BDL	BDL	
Trichlorofluoromethane	25	BDL	BDL	BDL	
11-Dichloroethylene	25	BDL	BDL	BDL	
11-Dichloroethane	25	BDL	BDL	BDL	
T12-Dichloroethylene	25	BDL	BDL	BDL	
Chloroform	25	BDL	BDL	BDL	
12-Dichloroethane	25	BDL	BDL	BDL	
111-Trichloroethane	25	BDL	BDL	BDL	
Carbontetrachloride	25	BDL	BDL	BDL	
Bromodichloromethane	25	BDL	BDL	BDL	
12-Dichloropropane	25	BDL	BDL	BDL	
T13-Dichloropropylene	25	BDL	BDL	BDL	
Trichloroethylene	25	BDL	BDL	BDL	
Dibromochloromethane	25	BDL	BDL	BDL	
112-Trichloroethane	25	BDL	BDL	BDL	
Cis13-Dichloropropylene	25	BDL	BDL	BDL	
2-Chlorethylvinylether	25	BDL	BDL	BDL	
Bromoform	25	BDL	BDL	BDL	
1122-Tetrachloroethane	25	BDL	BDL	BDL	
Tetrachloroethylene	25	BDL	BDL	BDL	
Chlorobenzene	25	BDL	BDL	BDL	
Benzyl Chloride	50	BDL	BDL	BDL	
Bis(2-chlorethoxy)methane	50	BDL	BDL	BDL	
Bis(2-chloroisopropyl)eth	50	BDL	BDL	BDL	
Bromobenzene	25	BDL	BDL	BDL	
Chloracetaldehyde	50	BDL	BDL	BDL	
1-Chlorohexane	25	BDL	BDL	BDL	
Chloromethyl methyl ether	50	BDL	BDL	BDL	
Chlorotoluene	25	BDL	BDL	BDL	
Dibromomethane	25	BDL	BDL	BDL	
12-Dichlorobenzene	25	BDL	BDL	BDL	
13-Dichlorobenzene	25	BDL	BDL	BDL	
14-Dichlorobenzene	25	BDL	BDL	BDL	
Trichloropropane	25	BDL	BDL	BDL	

MDL= Minimum Detectable Level/**BDL=** Below Detection Level/**UNITS=** PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 80-331-3
PO No. : H299395 Bldg. 65
Date : 8-27-90

EPA METHOD 602/8020

CTL Sample No.	MDL	6973 900817 101-S	6974 900817 101-1	6975 900817 101-2	
Benzene	50	BDL	BDL	BDL	
Toluene	50	BDL	BDL	BDL	
Ethyl Benzene	50	BDL	BDL	BDL	
P & M Xylene	50	BDL	BDL	BDL	
O- Xylene	50	BDL	BDL	BDL	
1,4-Dichlorobenzene	50	BDL	BDL	BDL	
1,3-Dichlorobenzene	50	BDL	BDL	BDL	
1,2-Dichlorobenzene	50	BDL	BDL	BDL	

MDL = Minimum Detectable Level

BDL = Below Detection Level

ALL **UNITS** IN **PPB** UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

№

PROJECT NAME: Building 65

PROJECT LOCATION: Stratford, Connecticut (Bldg. 65/South Lot)

PROJECT NUMBER: H299395

REPORT TO: M. Nosenzo/D.Babcock

INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other, Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
101	900820-101-S	S	1	G	8oz	I	O&G (TPH)	South lot -				
					Teflon-lined cap		VOC 8010, 8020	Composite of 5 -				
								Surface of				
								scraped mill				
102	900820-102	S	1	G	8oz	I	Same as above					
	(1 FT)							South lot -				
								Composite of 5 -				
								1 foot below surface				
103	900820-	S	1	G	8oz	I	Same as above					
	103 (2 FT)							South lot -				
								Composite of 5				
								2 feet below				
								surface (bottom of pit)				

Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code: I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature: Donald G. Dery Affiliation: Coastal Date: 5/20/90 Time: 9:30

ADDITIONAL COMMENTS:

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	101-103	Donald G. Dery	Helen Crichton	5/20	90
2					
3				4	30

August 27, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 80-330-3
P.O. No. H299395
Inv. No. 16292

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 20, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER ▮ SOIL ▮ AIR

STEPHEN J. FRANCO
Laboratory Directo
PHONE ▮ 203/634-373
165 GRACEY AVENUE ▮ MERIDEN, CT ▮ 0645

Client : Textron Lycoming	Date Recd : 8-20-90
Lab No.: 80-330-3	Date Extracted: 8-24-90
PO No. : H299395	Date Tested : 8-24-90
Date : 8-27-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	7036 900820 101-S	7037 900820 102	7038 900820 103	
Chloromethane	50	BDL	BDL	BDL	
Bromomethane	50	BDL	BDL	BDL	
Vinylchloride	50	BDL	BDL	BDL	
Chloroethane	50	BDL	BDL	BDL	
Methylenechloride	25	BDL	BDL	BDL	
Trichlorofluoromethane	25	BDL	BDL	BDL	
11-Dichloroethylene	25	BDL	BDL	BDL	
11-Dichloroethane	25	BDL	BDL	BDL	
T12-Dichloroethylene	25	BDL	BDL	BDL	
Chloroform	25	BDL	BDL	BDL	
12-Dichloroethane	25	BDL	BDL	BDL	
111-Trichloroethane	25	BDL	BDL	BDL	
Carbontetrachloride	25	BDL	BDL	BDL	
Bromodichloromethane	25	BDL	BDL	BDL	
12-Dichloropropane	25	BDL	BDL	BDL	
T13-Dichloropropylene	25	BDL	BDL	BDL	
Trichloroethylene	25	BDL	BDL	BDL	
Dibromochloromethane	25	BDL	BDL	BDL	
112-Trichloroethane	25	BDL	BDL	BDL	
Cis13-Dichloropropylene	25	BDL	BDL	BDL	
2-Chlorethylvinylether	25	BDL	BDL	BDL	
Bromoform	25	BDL	BDL	BDL	
1122-Tetrachloroethane	25	BDL	BDL	BDL	
Tetrachloroethylene	25	BDL	BDL	BDL	
Chlorobenzene	50	BDL	BDL	BDL	
Benzyl Chloride	50	BDL	BDL	BDL	
Bis(2-chlorethoxy)methane	50	BDL	BDL	BDL	
Bis(2-chloroisopropyl)eth	25	BDL	BDL	BDL	
Bromobenzene	50	BDL	BDL	BDL	
Chloracetaldehyde	25	BDL	BDL	BDL	
1-Chlorohexane	50	BDL	BDL	BDL	
Chloromethyl methyl ether	25	BDL	BDL	BDL	
Chlorotoluene	25	BDL	BDL	BDL	
Dibromomethane	25	BDL	BDL	BDL	
12-Dichlorobenzene	25	BDL	BDL	BDL	
13-Dichlorobenzene	25	BDL	BDL	BDL	
14-Dichlorobenzene	25	BDL	BDL	BDL	
Trichloropropane	25	BDL	BDL	BDL	

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 80-330-3
PO No. : H299395
Date : 8-27-90

EPA METHOD 602/8020

CTL Sample No.	MDL	7036 900820 101S	7037 900820 102	7038 900820 103	
Benzene	50	BDL	BDL	BDL	
Toluene	50	BDL	BDL	BDL	
Ethyl Benzene	50	BDL	BDL	BDL	
P & M Xylene	50	BDL	BDL	BDL	
O- Xylene	50	BDL	BDL	BDL	
1,4-Dichlorobenzene	50	BDL	BDL	BDL	
1,3-Dichlorobenzene	50	BDL	BDL	BDL	
1,2-Dichlorobenzene	50	BDL	BDL	BDL	

MDL = Minimum Detectable Level BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No. : 80-245-3
PO No. : Bldg. 65
Date : 8-23-90

RESULTS OF ANALYSIS

CTL Sample No.	7036 900820 1018	7037 900820 102	7038 900820 103	
Oil & Grease (HC)-ppm	760	440	800	

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME:	PROJECT LOCATION	PROJECT NUMBER
Building 65	Stratford, Connecticut (Bldg. 65/South Lot)	H299395

REPORT TO: M. Nosenzo/D. Babcock
INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other, Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
101	900821-101	S	1	G	8oz	I	O&G (TPH)	South Lot-Composite				
	(S)				Teflon lined		VOC 8010, 8020	Scraped - surface				
					Cap							
102	900821-102	S	1	G	8oz	I	Same as above	South lot -				
	(1 FT)				Teflon lined			Composite -				
								1 foot below				
								surface / scraped				
103	900821-	S	1	G	8oz	I	same as above	South lot				
	103 (2 FT)				Teflon lined			Composite -				
								2 feet below				
								surface of				
								Scraped material				

Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code: I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify _____

Sampler's Signature	Affiliation	Date	Time
Donald J. Dery	Coastal	8/21	9:30 AM

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	101-103	Donald J. Dery	[illegible]	[illegible]	
2					4:45 PM

ADDITIONAL COMMENTS.

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

№

PROJECT NAME: Building 65

PROJECT LOCATION: Stratford, Connecticut (Bldg. 65/South Lot)

PROJECT NUMBER: H299395

Source Codes: W=Well, O=Outfall, RO=Run Off, R=River/Stream, B=Bottom Sediment, ST=Septic Tank, S=Soil, SG=Sludge, LF=Landfill, L=Lake/Ocean, T=Treatment Facility, X=Other,Specify G.W. = Ground Water

REPORT TO: M. Nosenzo/D. Babcock

INVOICE TO: Textron Lycoming

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
104	900821-	S	1	G	8oz	I	O&G (TPH)	South Lot -				
	104				Teflon		TCLP - metals and volatiles	Composite from 2 test pits of solar treated soil				

Container Code: P = Plastic, E = EPA VIAL, C = Cube, G = Glass, A = Amber Glass, B = Bacteria Bottle, T = Sodium Thiosulfate
Preservative Code: I = Iced, F = Filtered, N = Nitric Acid (HNO_3), H = Hydrochloric Acid (HCl), S = Sodium Hydroxide (NaOH), O = Other Specify

Sampler's Signature	Affiliation	Date	Time
[signature]	Coastal	8/21/90	11 AM

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	104	[signature]	[illegible]	8/21/90	[illegible]
2					

ADDITIONAL COMMENTS:

August 23, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Sir or Madam

RE: LAB. No. 80-268-3
P.O. No. H299395
Inv. No. 16229

Dear Sir or Madam :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 22, 1990

All testing procedures comply with EPA/DEP approved methods.Results reported in Mg/L indicate the sample matrix to be water or an EP Toxicity Extract. Results with PPM or Mg/Kg indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in PPB for soil and water and PPM for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE 203/634-3731
165 GRACEY AVENUE MERIDEN, CT 06450

Client : Textron Lycoming
Lab No.: 80-268-3
PO No. : H299395
Date : 8-24-90

RESULTS OF ANALYSIS

CTL Sample No.	7076 900821 101	7077 900821 102	7078 900821 103	
Oil & Grease (HC)-ppm	612	347	1,112	

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

August 29, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 80-374-3
P.O. No. H299395
Inv. No. 16338

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 21, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE 203 634-3731
165 GRACEY AVENUE MERIDEN 06450

Client : Textron Lycoming	Date Recd : 8-21-90
Lab No.: 80-374-3	Date Extracted: 8-28-90
PO No. : H299395	Date Tested : 8-28-90
Date : 8-29-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	7076 900821 101	7077 900821 102	7078 900821 103	
Chloromethane	50	BDL	BDL	BDL	
Bromomethane	50	BDL	BDL	BDL	
Vinylchloride	50	BDL	BDL	BDL	
Chloroethane	50	BDL	BDL	BDL	
Methylenechloride	25	BDL	BDL	BDL	
Trichlorofluoromethane	25	BDL	BDL	BDL	
11-Dichloroethylene	25	BDL	BDL	BDL	
11-Dichloroethane	25	BDL	BDL	BDL	
T12-Dichloroethylene	25	BDL	BDL	BDL	
Chloroform	25	BDL	BDL	BDL	
12-Dichloroethane	25	BDL	BDL	BDL	
111-Trichloroethane	25	BDL	BDL	BDL	
Carbontetrachloride	25	BDL	BDL	BDL	
Bromodichloromethane	25	BDL	BDL	BDL	
12-Dichloropropane	25	BDL	BDL	BDL	
T13-Dichloropropylene	25	BDL	BDL	BDL	
Trichloroethylene	25	BDL	BDL	BDL	
Dibromochloromethane	25	BDL	BDL	BDL	
112-Trichloroethane	25	BDL	BDL	BDL	
Cis13-Dichloropropylene	25	BDL	BDL	BDL	
2-Chlorethylvinylether	25	BDL	BDL	BDL	
Bromoform	25	BDL	BDL	BDL	
1122-Tetrachloroethane	25	BDL	BDL	BDL	
Tetrachloroethylene	25	BDL	BDL	BDL	
Chlorobenzene	25	BDL	BDL	BDL	
Benzyl Chloride	50	BDL	BDL	BDL	
Bis(2-chlorethoxy)methane	50	BDL	BDL	BDL	
Bis(2-chloroisopropyl)eth	50	BDL	BDL	BDL	
Bromobenzene	25	BDL	BDL	BDL	
Chloracetaldehyde	50	BDL	BDL	BDL	
1-Chlorohexane	25	BDL	BDL	BDL	
Chloromethyl methyl ether	50	BDL	BDL	BDL	
Chlorotoluene	25	BDL	BDL	BDL	
Dibromomethane	25	BDL	BDL	BDL	
12-Dichlorobenzene	25	BDL	BDL	BDL	
13-Dichlorobenzene	25	BDL	BDL	BDL	
14-Dichlorobenzene	25	BDL	BDL	BDL	
Trichloropropane	25	BDL	BDL	BDL	

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

lient : Textron Lycoming
ab No.: 80-374-3
O No. : H299395
Da e : 8-29-90

EPA METHOD 602/8020

CT Sample No.	MDL	7076 900821 101	7077 900821 102	7078 900821 103	
B nzene	50	BDL	BDL	BDL	
Toluene	50	BDL	BDL	BDL	
E hyl Benzene	50	BDL	BDL	BDL	
P & M Xylene	50	BDL	BDL	BDL	
- Xylene	50	BDL	BDL	BDL	
1,4-Dichlorobenzene	50	BDL	BDL	BDL	
,3-Dichlorobenzene	50	BDL	BDL	BDL	
1,2-Dichlorobenzene	50	BDL	BDL	BDL	

MDL = Minimum Detectable Level

BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 80-422-1
PO No. : H299395
Date : 9-4-90

TCLP

RESULTS OF ANALYSIS CTL Sample No.	7079 900821-104			
Arsenic-mg/L	ND<0.05			
Barium-mg/L	ND<0.5			
Cadmium-mg/L	ND<0.01			
Chromium, Total-mg/L	ND<0.05			
Lead-mg/L	ND<0.002			
Mercury-mg/L	ND<0.01			
Selenium-mg/L	ND<0.01			
Silver-mg/L				
Oil & Grease (HC)-ppm	143			

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

September 11, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 80-520-1
P.O. No. H299395
Inv. No. 16512

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 22, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours.

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories INC.
WATER | SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE | 203/634-3731
165 GRACE AVENUE | MERIDEN, CT | 06450

Client : Textron Lycoming
Lab No.: 80-520-1
PO No. : H299395
Date : 9-11-90

Date Recd : 8-22-90
Date Extracted: 8/28-8/29

CTL Sample No. / TCLP ORGANICS-ppm	MDL	* RL	7079 900821 104		
Benzene	0.001	0.5	BDL		
Carbon Tetrachloride	0.001	0.5	BDL		
Chlordane	0.001	0.3	BDL		
Chlorobenzene	0.001	100	BDL		
Chloroform	0.001	6.0	BDL		
o-Cresol	0.020	200.0	BDL		
m-Cresol	0.020	200.0	BDL		
p-Cresol	0.020	200.0	BDL		
1,4-Dichlorobenzene	0.001	7.5	BDL		
1,2-Dichloroethane	0.001	0.5	BDL		
1,1-Dichloroethylene	0.001	0.7	BDL		
2,4-Dinitrotoluene	0.020	0.13	BDL		
Heptachlor	0.001	0.008	BDL		
Hexachlorobenzene	0.020	0.13	BDL		
Hexachloro-1,3-butadiene	0.020	0.5	BDL		
Hexachlorethane	0.020	3.0	BDL		
Methoxychlor	0.010	10.0	BDL		
Methyl ethyl ketone	0.050	200.0	BDL		
Nitrobenzene	0.020	2.0	BDL		
Pentachlorophenol	0.020	100.0	BDL		
Pyridine	0.020	5.0	BDL		
Tetrachloroethylene	0.001	0.7	BDL		
Trichlorothylene	0.001	0.5	BDL		
2,4,6-Trichlorophenol	0.020	400.0	BDL		
2,4,5-Trichlorophenol	0.020	400.0	BDL		
Vinyl Chloride	0.100	0.2	BDL		

* Regulatory Level (mg/L)

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPM

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME: Building 65

PROJECT LOCATION: Stratford, Connecticut (Bldg. 65/South Lot)

PROJECT NUMBER: H299395

REPORT TO: M. Nosenzo/D.Babcock

INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other,Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
101	900823-	S	1.	G	8oz	I	O&G (TPH) -	South lot				
	101(S)				Tefl. Liner		VOC 8010, 8020	Surface of scarified				
								matl - Composite				
								of 5 locations				
102	900823	S	1	G	8oz	I	Same	South lot -				
	102(1FT)				Teflon Liner			Composite of 5'				
								1 FT below surface				
103	900823	S	1	G	8oz	I	Same	South lot -				
	103(2FT)							Composite of 5				
								2 FT below surface				
								(at concrete base)				

Container Code P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code I = Iced F = Filtered . N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
Donald S. O'Day	Conetal	8/23/90	10AM

ADDITIONAL COMMENTS

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	101-103	Donald S. O'Day	[illegible] 8/25		
2					
3					

August 30, 1990

Textron Lycoming
55 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 80-394-4
P.O. No. H299395
Inv. No. 16356

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 23, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER : SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ▮ 203/634-3731
165 GRACEY AVENUE ▮ MERIDEN, CT ▮ 06450

Client : Textron Lycoming	Date Recd : 8-23-90
Lab No.: 80-394-4	Date Extracted: 8-28-90
PO No. : H299395	Date Tested : 8-29-90
Date : 8-30-90	Analyst : YK

EPA METHOD 601/8010

CTL Sample No.	MDL	7167 900823 101S	7168 900823 102	7169 900823 103	7170 900823 104
Chloromethane	50	BDL	BDL	BDL	BDL
Bromomethane	50	BDL	BDL	BDL	BDL
Vinylchloride	50	BDL	BDL	BDL	BDL
Chloroethane	50	BDL	BDL	BDL	BDL
Methylenechloride	25	BDL	BDL	BDL	BDL
Trichlorofluoromethane	25	BDL	BDL	BDL	BDL
11-Dichloroethylene	25	BDL	BDL	BDL	BDL
11-Dichloroethane	25	BDL	BDL	BDL	BDL
T12-DICHLOROETHYLENE	25	BDL	BDL	BDL	BDL
Chloroform	25	BDL	BDL	BDL	30.0
12-Dichloroethane	25	BDL	BDL	BDL	BDL
111-Trichloroethane	25	BDL	BDL	BDL	BDL
Carbontetrachloride	25	BDL	BDL	BDL	BDL
Bromodichloromethane	25	BDL	BDL	BDL	BDL
12-Dichloropropane	25	BDL	BDL	BDL	BDL
T13-Dichloropropylene	25	BDL	BDL	BDL	BDL
Trichloroethylene	25	BDL	BDL	BDL	BDL
Dibromochloromethane	25	BDL	BDL	BDL	BDL
112-Trichloroethane	25	BDL	BDL	BDL	BDL
Cis13-Dichloropropylene	25	BDL	BDL	BDL	BDL
2-Chlorethylvinylether	25	BDL	BDL	BDL	BDL
Bromoform	25	BDL	BDL	BDL	BDL
1122-Tetrachloroethane	25	BDL	BDL	BDL	BDL
Tetrachloroethylene	25	BDL	BDL	BDL	BDL
Chlorobenzene	25	BDL	BDL	BDL	BDL
Benzyl Chloride	50	BDL	BDL	BDL	BDL
Bis(2-chlorethoxy)methane	50	BDL	BDL	BDL	BDL
Bis(2-chloroisopropyl)eth	50	BDL	BDL	BDL	BDL
Bromobenzene	25	BDL	BDL	BDL	BDL
Chloracetaldehyde	50	BDL	BDL	BDL	BDL
1-Chlorohexane	25	BDL	BDL	BDL	BDL
Chloromethyl methyl ether	50	BDL	BDL	BDL	BDL
Chlorotoluene	25	BDL	BDL	BDL	BDL
Dibromomethane	25	BDL	BDL	BDL	BDL
12-Dichlorobenzene	25	BDL	BDL	BDL	BDL
13-Dichlorobenzene	25	BDL	BDL	BDL	BDL
14-Dichlorobenzene	25	BDL	BDL	BDL	BDL
Trichloropropane	25	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

t : Textron Lycoming
: 80-394-4
: H299395
: 8-30-90

THOD 602/8020

le No.	MDL	7167 900823 101S	7168 900823 102	7169 900823 103	7170 900823 104
_____	50	BDL	BDL	BDL	BDL
_____	50	BDL	BDL	BDL	BDL
nzene _____	50	BDL	BDL	BDL	BDL
xylene _____	50	BDL	BDL	BDL	BDL
ie _____	50	BDL	BDL	BDL	BDL
hlorobenzene _____	50	BDL	BDL	BDL	BDL
lorobenzene _____	50	BDL	BDL	BDL	BDL
lorobenzene _____	50	BDL	BDL	BDL	BDL
_____					
_____					
_____					

Minimum Detectable Level BDL = Below Detection Level

S IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

September 6, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 80-457-4
P.O. No. H299395
Inv. No. 16453

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 23, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories INC.
WATER SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE 1 203/634-3731
165 GRACE AVENUE MERIDEN, CT 1 06450

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME: Building 65

PROJECT LOCATION: Stratford, Connecticut (Bldg. 65/South Lot)

PROJECT NUMBER: 11299395

REPORT TO: M. Nosenzo/D. Babcock

INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility X=Other, Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
101	900827-	S	1	G	8oz	I	O&G (TPH)	South Lot-				
	101(S)			Teflon lined			VOC 8010, 8020	composite of 5-				
				cap				Surface of scarified lot				
								undisturbed since Thurs				
102	900827	S	1	G	8oz	I	Same as above	South lot- composite				
	~~102~~ 102(1FT)			Teflon				of 5- taken				
								1 ft below surface				
103	900827-	S	1	G	8oz	I	Same as above	South lot-				
	103 (2 FT)			Teflon				composite-				
								taken at concrete				
								at base (~2 FT down)				

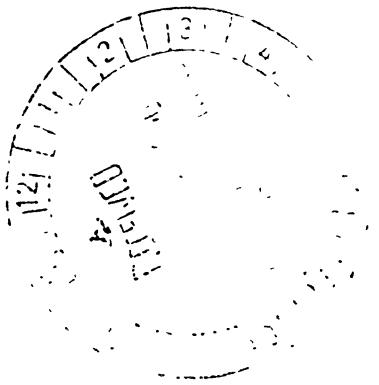
Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code: I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
Donald G O'Rourke	Coastal	8/27	9

ADDITIONAL COMMENTS

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	101-103	Donald G O'Rourke	Retired (Textron)	8/27/90	4:55
2			LT TEST LAB		

September 4, 1990



Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 80-442-6
P.O. No. H299395
Inv. No. 16394

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 27, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE 1 203/634-3731
165 GRACEY AVENUE MERIDEN, CT 1 06450

Client : Textron Lycoming
Lab No.: 80-442-6
PO No. : H299395
Date : 9-4-90

EPA METHOD 602/8020

CTL Sample No.	MDL	7252 900827 101S	7253 900827 102 1Ft.	7254 900827 103 2Ft.	7255 900827 104
Benzene	50	BDL	BDL	BDL	BDL
Toluene	50	BDL	BDL	BDL	BDL
Ethyl Benzene	50	BDL	BDL	BDL	BDL
P & M Xylene	50	BDL	BDL	BDL	BDL
O- Xylene	50	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	50	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	50	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	50	BDL	BDL	BDL	BDL

MDL = Minimum Detectable Level BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

80-565-5

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME: Building 65

PROJECT LOCATION: Stratford, Connecticut (Bldg. 65/South Lot)

PROJECT NUMBER: 11299395

REPORT TO: M. Nosenzo/D. Babcock

INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other, Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
101	900830	S	1	G	8oz	I	O&G (TPH)	South Lot				
	101(S)				Teff. Bag			Composite 15 -				
								Surface of sampled				
102	900830	S	1	G	8oz	I	Same as above	South Lot -				
	102(1FT)	S			Teff			Composite (5)				
								"1 Foot" down				
								(Halfway)				
103	900830	S	1	G	8oz	I	Same as above	Bottom sample				
	103(2T				Teff			at above spots				

Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code: I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
Donald G Otley	Coastal	9/30	10A

ADDITIONAL COMMENTS.

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	101-103	Donald G Otley	[illegible]	9/30	10A
2			CTL	"	5C

COPY

September 11, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 80-565-5
P.O. No. H299395
Inv. No. 16533

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : August 30, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER ~ SOIL ~ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ~ 203/634-3731
165 GRACEY AVENUE ~ MERIDEN, CT ~ 06450

Client : Textron Lycoming
Lab No.: 80-565-5
PO No. : H299395
Date : 9-11-90

TCLP

RESULTS OF ANALYSIS

CTL Sample No.	7405 900830 104A	7406 900830 105B		
Arsenic-mg/L	ND<0.05	ND<0.05		
Barium-mg/L	ND<0.5	ND<0.5		
Cadmium-mg/L	0.07	0.14		
Chromium, Total-mg/L	ND<0.05	ND<0.05		
Lead-mg/L	ND<0.05	ND<0.05		
Mercury-mg/L	ND<0.002	ND<0.002		
Selenium-mg/L	ND<0.01	ND<0.01		
Silver-mg/L	ND<0.01	ND<0.01		

CTL Sample No.	7402 900830 101S	7403 900830 102	7404 900830 103	
Oil & Grease (HC)-ppm	448	749	336	

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

September 5, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 90-001-3
P.O. No. H299395
Inv. No. 16438

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : September 4, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE (203)634-3731
165 GRACE ... MERIDEN, CT 06450

Client : Textron Lycoming
Lab No.: 90-001-3
PO No. : H299395
Date : 9-5-90

EPA 418.1

RESULTS OF ANALYSIS

CTL Sample No.	7544 900904 101-S	7545 900904 102	7546 900904 103	
Oil & Grease (HC)-ppm	653	883	1,421	

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

September 11, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 90-016-3
P.O. No. H299395
Inv. No. 16514

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : September 4, 1990

All testing procedures comply with EPA/DEP approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours.

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories INC.
WATER : SOIL . AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ▮ 203/634-3731
165 GRACEY AVENUE : MERIDEN, CT ▮ 06450

Client : Textron Lycoming	Date Recd : 9-4-90
Lab No.: 90-016-3	Date Extracted: 9-7-90
PO No. : H299395	Date Tested : 9-9-90
Date : 9-11-90	Analyst : YK

EPA METHOD 602/8020

CTL Sample No.	MDL	7544 900904 101S	7545 900904 102	7546 900904 103	
Benzene	50	BDL	BDL	BDL	
Toluene	50	BDL	BDL	BDL	
Ethyl Benzene	50	BDL	BDL	BDL	
P & M Xylene	50	BDL	BDL	BDL	
O- Xylene	50	BDL	BDL	BDL	
1,4-Dichlorobenzene	50	BDL	BDL	BDL	
1,3-Dichlorobenzene	50	BDL	BDL	BDL	
1,2-Dichlorobenzene	50	BDL	BDL	BDL	

MDL = Minimum Detectable Level

BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME:	PROJECT LOCATION	PROJECT NUMBER
Building 65	Stratford, Connecticut (Bldg. 65/South Lot)	11299395

REPORT TO: M. Nosenzo/D. Babcock
INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other, Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
	900911-	S	1.	G	8z	I	O&G (TPH)	South Lot-				
	101						VOC 8010, 8020	Sampled				
								Composite				
								midway along				
								bulldozer cut				
								the length of				
								the pile				

Container Code P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code. I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time	TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
[signature]	Coastal	9/11	1225	1	1	[signature]	[signature]	9/11	1:10
				2					

ADDITIONAL COMMENTS.

September 14, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 90-057-1
P.O. No. H299395
Inv. No. 16597

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : September 11, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours.

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER : SOIL : AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE : MERIDEN, CT ■ 06450

Client : Textron Lycoming
Lab No.: 90-057-1
PO No. : H299395
Date : 9-14-90

EPA 418.1

RESULTS OF ANALYSIS

CTL Sample No.	8028 900911-101			
Oil & Grease (HC)-ppm	576			

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME: Building 65

PROJECT LOCATION: Stratford, Connecticut (Bldg. 65/South Lot)

PROJECT NUMBER: 11299395

REPORT TO: M. Nosenzo/D. Babcock

INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility X=Other, Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
1	900917-101 S	S	1	G Teff. Lined	8oz	I	VOC 8010, 8020 O&G (TPH) - on sample as is %T.S. - drying at 105°C	Priority Regular Procedure				
							O&G (TPH) on sample dried at 105°C TOC on sample dried at 105°C Reweigh sample residue after the TOC determination Reweigh - very carefully in original boat	Special				
2	900917-102	S	1	G	8oz	I	Same as above	d				
3	900917-103	S	1	G	8oz	I	Same as above					

Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code: I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
Donald F. O'Day	Coastal	9/17	10 AM

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1-3	Donald F. O'Day	Pauline Courtois	9/17/90	
2					

ADDITIONAL COMMENTS:
Duke Harris

September 26, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 90-249-3
P.O. No. H299395
Inv. No. 16787

Dear Mr. Nosenzo

The attached report are results of analysis on the above referenced Purchase Order

The samples were received on : September 17, 1990

All testing procedures comply with EPA/DEP approved methods.Results reported in Mg/L indicate the sample matrix to be water or an EP Toxicity Extract. Results with PPM or Mg/Kg indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in PPB for soil and water and PPM for an oil matrix

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories INC.
WATER SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE 203/634-3731
165 CRACCY AVENUE MERIDEN, CT 06450

Client : Textron Lycoming
Lab No.: 90-249-3
PO No. : H299395
Date : 9-26-90

EPA METHOD 602/8020

CTL Sample No.	MDL	8295 900917 1018	8296 900917 102	8297 900917 103	
Benzene	50	BDL	BDL	BDL	
Toluene	50	BDL	BDL	BDL	
Ethyl Benzene	50	BDL	BDL	BDL	
P & M Xylene	50	BDL	BDL	BDL	
O- Xylene	50	BDL	BDL	BDL	
1,4-Dichlorobenzene	50	BDL	BDL	BDL	
1,3-Dichlorobenzene	50	BDL	BDL	BDL	
1,2-Dichlorobenzene	50	BDL	BDL	BDL	

MDL = Minimum Detectable Level

BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming	Date Recd : 9-17-90
Lab No.: 90-249-3	Date Extracted: 8-24-90
PO No. : H299395	Date Tested : 8-24-90
Date : 9-26-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	8295 900917 1018	8296 900917 102	8297 900917 103	
Chloromethane	50	BDL	BDL	BDL	
Bromomethane	50	BDL	BDL	BDL	
Vinylchloride	50	BDL	BDL	BDL	
Chloroethane	50	BDL	BDL	BDL	
Methylenechloride	25	BDL	BDL	BDL	
Trichlorofluoromethane	25	BDL	BDL	BDL	
11-Dichloroethylene	25	BDL	BDL	BDL	
11-Dichloroethane	25	BDL	BDL	BDL	
T12-Dichloroethylene	25	BDL	BDL	BDL	
Chloroform	25	BDL	BDL	BDL	
12-Dichloroethane	25	BDL	BDL	BDL	
111-Trichloroethane	25	BDL	BDL	BDL	
Carbontetrachloride	25	BDL	BDL	BDL	
Bromodichloromethane	25	BDL	BDL	BDL	
12-Dichloropropane	25	BDL	BDL	BDL	
T13-Dichloropropylene	25	BDL	BDL	BDL	
Trichloroethylene	25	BDL	BDL	BDL	
Dibromochloromethane	25	BDL	BDL	BDL	
112-Trichloroethane	25	BDL	BDL	BDL	
Cis13-Dichloropropylene	25	BDL	BDL	BDL	
2-Chlorethylvinylether	25	BDL	BDL	BDL	
Bromoform	25	BDL	BDL	BDL	
1122-Tetrachloroethane	25	BDL	BDL	BDL	
Tetrachloroethylene	25	BDL	BDL	BDL	
Chlorobenzene	25	BDL	BDL	BDL	
Benzyl Chloride	50	BDL	BDL	BDL	
Bis(2-chlorethoxy)methane	50	BDL	BDL	BDL	
Bis(2-chloroisopropyl)eth	50	BDL	BDL	BDL	
Bromobenzene	25	BDL	BDL	BDL	
Chloracetaldehyde	50	BDL	BDL	BDL	
1-Chlorohexane	25	BDL	BDL	BDL	
Chloromethyl methyl ether	50	BDL	BDL	BDL	
Chlorotoluene	25	BDL	BDL	BDL	
Dibromomethane	25	BDL	BDL	BDL	
12-Dichlorobenzene	25	BDL	BDL	BDL	
13-Dichlorobenzene	25	BDL	BDL	BDL	
14-Dichlorobenzene	25	BDL	BDL	BDL	
Trichloropropane	25	BDL	BDL	BDL	

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

October , 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB No. 90-344-3
P O No H299395
Inv No 16907

Dear Mr Nosenzo

The attached report and results of analysis on the above referenced Purchase Order

The samples were received on September 17, 1990

All testing procedures comply with EPA/DEP approved methods Results reported in Mg/L indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract Results with PPM or Mg/Kg indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in PPB for soil and water and PPM for an oil matrix

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories

STEPHEN J FRANCO
LABORATORY DIRECTOR
PHONE 203 634-3731

Client : Textron Lycoming
Lab No. : 90-344-3
PO No. : H299395
Date : 10-2-90

RESULTS OF ANALYSIS

CTL Sample No.	8295 900917 1018	8296 900917 102	8297 900917 103	
Oil & Grease (HC)-ppm	147	396	377	
Oil & Grease (HC)-ppm +	552	3,680	718	
% TS	89.93	89.33	89.97	
TOC on dried sample (105°)	1.91%	1.65%	2.41%	

+ on dried sample

Note: Weight of residue after TOC determination is not possible due to instrumentation used.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER
Building 65	Stratford, Connecticut (Bldg. 65/South Lot)	11299395

REPORT TO: M. Nosenzo/D. Babcock
INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other, Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
1	180925-	S	1	G	4q	I	O+G (TPH)	South End				
	101			ref. Exp			VOC 8010, 8020	Standard				
							% Total Solids - at 105°C dry	Top 6"				
								Composite				

Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code: I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
[signature]	Coastal	9/25	1500

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1	[signature]	[signature]	9/25	1715
2					

ADDITIONAL COMMENTS

October 10, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 90-481-1
P.O. No. H299395
Inv. No. 17047

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : September 25, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories INC
WATER SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE 203/634-3731
[illegible] MERIDEN CT 06450

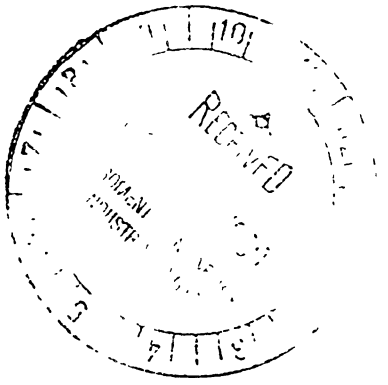
Client : Textron Lycoming
Lab No.: 90-481-1
PO No. : H299395
Date : 10-10-90

RESULTS OF ANALYSIS

CTL Sample No.	8622 #101 900925			
Oil & Grease (HC)-ppm	346			
% Total Solids	93.52			

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

October 8, 1990



Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 90-445-1
P.O. No. H299395
Inv. No. 16992

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : September 25, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER ▪ SOIL ▪ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ▪ 203/634-3731
165 GRACEY AVENUE ▪ MERIDEN, CT ▪ 06450

Client : Textron Lycoming
Lab No.: 90-445-1
PO No. : H299395
Date : 10-8-90

900925-101

EPA METHOD 602/8020

CTL Sample No.	MDL	8622 #101			
Benzene	50	BDL			
Toluene	50	BDL			
Ethyl Benzene	50	BDL			
P & M Xylene	50	BDL			
O- Xylene	50	BDL			
1,4-Dichlorobenzene	50	BDL			
1,3-Dichlorobenzene	50	BDL			
1,2-Dichlorobenzene	50	BDL			

MDL = Minimum Detectable Level

BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming	Date Recd : 9-25-90
Lab No.: 90-445-1	Date Tested : 10-6-90
PO No. : H299395	Analyst : YK
Date : 10-8-90	

EPA METHOD 601/8010

CTL Sample No. 900925-8622

	MDL	#101			
Chloromethane	50	BDL			
Bromomethane	50	BDL			
Vinylchloride	50	BDL			
Chloroethane	50	BDL			
Methylenechloride	25	BDL			
Trichlorofluoromethane	25	BDL			
11-Dichloroethylene	25	BDL			
11-Dichloroethane	25	BDL			
T12-Dichloroethylene	25	BDL			
Chloroform	25	BDL			
12-Dichloroethane	25	BDL			
111-Trichloroethane	25	BDL			
Carbontetrachloride	25	BDL			
Bromodichloromethane	25	BDL			
12-Dichloropropane	25	BDL			
T13-Dichloropropylene	25	BDL			
Trichloroethylene	25	BDL			
Dibromochloromethane	25	BDL			
112-Trichloroethane	25	BDL			
Cis13-Dichloropropylene	25	BDL			
2-Chlorethylvinylether	25	BDL			
Bromoform	25	BDL			
1122-Tetrachloroethane	25	BDL			
Tetrachloroethylene	25	BDL			
Chlorobenzene	25	BDL			
Benzyl Chloride	50	BDL			
Bis(2-chlorethoxy)methane	50	BDL			
Bis(2-chloroisopropyl)eth	50	BDL			
Bromobenzene	25	BDL			
Chloracetaldehyde	50	BDL			
1-Chlorohexane	25	BDL			
Chloromethyl methyl ether	50	BDL			
Chlorotoluene	25	BDL			
Dibromomethane	25	BDL			
12-Dichlorobenzene	25	BDL			
13-Dichlorobenzene	25	BDL			
14-Dichlorobenzene	25	BDL			
Trichloropropane	25	BDL			

MDL= Minimum Detectable Level/**BDL**= Below Detection Level/**UNITS**= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME:	PROJECT LOCATION	PROJECT NUMBER
Building 65	Stratford, Connecticut (Bldg. 65/South Lot)	11299395

REPORT TO: M. Nosenzo/D. Babcock
INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other, Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
1	901003 -	S	1.	G	4oz	I	O&G (TPH)	Surface - South				
	101			Tefl. Cap			VOC 8010, 8020	L.T. - Scanned				
							O/O Total Solids - dry at 105°C	Composite				
2	901003 -	S	1	G	4oz	I	Same	Base (mean				
	102			Tefl.				1 FC (mean)				
								Same Location				

Container Code P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
Donald J. O'Mara	Coastal	10/5/90	2 35

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1. 2	Donald J. O'Mara	[illegible]	10/5/90	
2			4 PM		

ADDITIONAL COMMENTS.

October 22, 1990

Textron Lycoming
c/o Conn. Envir. Engineering Service, Inc.
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 100-170-2
P.O. No. H313819
Inv. No. 17255

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : October 3, 1990

All testing procedures comply with EPA/DEP approved methods.Results reported in Mg/L indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with PPM or Mg/Kg indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in PPB for soil and water and PPM for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06450

Client : Textron Lycoming
Lab No.: 100-170-2
PO No. : H313819
Date : 10-22-90

EPA 418.1

RESULTS OF ANALYSIS

CTL Sample No.	8983 901003 101	8984 901003 102		
Oil & Grease (HC)-ppm	623	147		
% Total Solids (at 105°)	97.61	93.94		

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

October 16, 1990

Textron Lycoming
550 Main St.
Stratford, CT 06497

Att: Dr. Donald Dobay

RE: LAB. No. 100-090-2
P.O. No. H313819
Inv. No. 17179

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : October 3, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories *inc.*
WATER ■ SOIL ■ AIR

STEPHEN J FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06450

Client : Textron Lycoming	Date Recd : 10-3-90
Lab No.: 100-090-2	Date Extracted: 10-15-90
PO No. : H313819	Date Tested : 10-15-90
Date : 10-16-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	8983 9001003 101	8984 9001003 102		
Chloromethane	50	BDL	BDL		
Bromomethane	50	BDL	BDL		
Vinylchloride	50	BDL	BDL		
Chloroethane	50	BDL	BDL		
Methylenechloride	25	BDL	BDL		
Trichlorofluoromethane	25	BDL	BDL		
11-Dichloroethylene	25	BDL	BDL		
11-Dichloroethane	25	BDL	BDL		
T12-Dichloroethylene	25	BDL	BDL		
Chloroform	25	BDL	BDL		
12-Dichloroethane	25	BDL	BDL		
111-Trichloroethane	25	BDL	BDL		
Carbontetrachloride	25	BDL	BDL		
Bromodichloromethane	25	BDL	BDL		
12-Dichloropropane	25	BDL	BDL		
T13-Dichloropropylene	25	BDL	BDL		
Trichloroethylene	25	BDL	BDL		
Dibromochloromethane	25	BDL	BDL		
112-Trichloroethane	25	BDL	BDL		
Cis13-Dichloropropylene	25	BDL	BDL		
2-Chlorethylvinylether	25	BDL	BDL		
Bromoform	25	BDL	BDL		
1122-Tetrachloroethane	25	BDL	BDL		
Tetrachloroethylene	25	BDL	BDL		
Chlorobenzene	25	BDL	BDL		
Benzyl Chloride	50	BDL	BDL		
Bis(2-chlorethoxy)methane	50	BDL	BDL		
Bis(2-chloroisopropyl)eth	50	BDL	BDL		
Bromobenzene	25	BDL	BDL		
Chloracetaldehyde	50	BDL	BDL		
1-Chlorohexane	25	BDL	BDL		
Chloromethyl methyl ether	50	BDL	BDL		
Chlorotoluene	25	BDL	BDL		
Dibromomethane	25	BDL	BDL		
12-Dichlorobenzene	25	BDL	BDL		
13-Dichlorobenzene	25	BDL	BDL		
14-Dichlorobenzene	25	BDL	BDL		
Trichloropropane	25	BDL	BDL		

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 100-090-2
PO No. : H313819
Date : 10-16-90

EPA METHOD 602/8020

CTL Sample No.	MDL	9001003 101	9001003 102		
Benzene	50	BDL	BDL		
Toluene	50	BDL	BDL		
Ethyl Benzene	50	BDL	BDL		
P & M Xylene	50	BDL	BDL		
O- Xylene	50	BDL	BDL		
1,4-Dichlorobenzene	50	BDL	BDL		
1,3-Dichlorobenzene	50	BDL	BDL		
1,2-Dichlorobenzene	50	BDL	BDL		

MDL = Minimum Detectable Level BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

TEXTRON Lycoming

Stratford Division
Textron Lycoming / Subsidiary of Textron Inc
550 Main Street
Stratford, CT 06497
203/385 2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME	PROJECT LOCATION	PROJECT NUMBER
Building 65	Stratford, Connecticut (Bldg. 65/South Lot)	H299395

REPORT TO M. Nosenzo/D.Babcock — Dobay
INVOICE TO Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility X=Other, Specify G.W. = Ground Water O: other

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	TYPE	SIZE	PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
1	901016-101	S	1	G Tefl	4oz	I	O&G (TPH); VOCs 8010, 8020; % T.S (@ 105°C)	South lot - composite; Primary Pile - placed last wk. 10-15; Note - Very Wet, oily odor				
2	901016-102	S	1	G Tefl	4oz	I	same	Material on hold; much drier - V. little odor				
3	901016-103	S	1	G Tefl.	4oz	I	TCLP - organics (but no pesticides); TCLP extraction, then do - Ba, Cd, Cr, Pb; O&G - (TPH); Add % TS at 105°C OK	Black soil; 4 ft down; Location F/9'; Organic odor				
4	901016-104	O	1	G Tefl	4oz	-	TCLP - 8 metals; Total metals (MASS): 8 RCRA + Cu, Ni, Zn	Blue - layered matl; massive specimen; 3 ft below grade				

Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code: I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
Donald G. O'Dowy [signature]	Coastal	10/16	N-1PM

ADDITIONAL COMMENTS

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1-4	[signature]	[signature]	10/1?/90	3:45
2					

October 26, 1990

Textron Lycoming
c/o Conn. Envir. Engineering Serv. Inc.
107B Old Windsor Rd
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 100-277-2
P.O. No. H313819
Inv. No. 17373

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order

The samples were received on : October 16, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories INC
WATER SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE 203/634-3731
165 GRACEY AVENUE MERIDEN, CT 06450

Client : Textron Lycoming	Date Recd : 10-16-90
Lab No.: 100-277-2	Date Extracted: 10-24-90
PO No. : H313819	Date Tested : 10-24-90
Date : 10-26-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	9440 901016 101	9441 901016 102		
Chloromethane	50	BDL	BDL		
Bromomethane	50	BDL	BDL		
Vinylchloride	50	BDL	BDL		
Chloroethane	50	BDL	BDL		
Methylenechloride	25	BDL	BDL		
Trichlorofluoromethane	25	BDL	BDL		
11-Dichloroethylene	25	BDL	BDL		
11-Dichloroethane	25	BDL	BDL		
T12-Dichloroethylene	25	BDL	BDL		
Chloroform	25	BDL	BDL		
12-Dichloroethane	25	BDL	BDL		
111-Trichloroethane	25	BDL	BDL		
Carbontetrachloride	25	BDL	BDL		
Bromodichloromethane	25	BDL	BDL		
12-Dichloropropane	25	BDL	BDL		
T13-Dichloropropylene	25	BDL	BDL		
Trichloroethylene	25	BDL	BDL		
Dibromochloromethane	25	BDL	BDL		
112-Trichloroethane	25	BDL	BDL		
Cis13-Dichloropropylene	25	BDL	BDL		
2-Chlorethylvinylether	25	BDL	BDL		
Bromoform	25	BDL	BDL		
1122-Tetrachloroethane	25	BDL	BDL		
Tetrachloroethylene	25	BDL	BDL		
Chlorobenzene	25	BDL	BDL		
Benzyl Chloride	50	BDL	BDL		
Bis(2-chlorethoxy)methane	50	BDL	BDL		
Bis(2-chloroisopropyl)eth	50	BDL	BDL		
Bromobenzene	25	BDL	BDL		
Chloracetaldehyde	50	BDL	BDL		
1-Chlorohexane	25	BDL	BDL		
Chloromethyl methyl ether	50	BDL	BDL		
Chlorotoluene	25	BDL	BDL		
Dibromomethane	25	BDL	BDL		
12-Dichlorobenzene	25	BDL	BDL		
13-Dichlorobenzene	25	BDL	BDL		
14-Dichlorobenzene	25	BDL	BDL		
Trichloropropane	25	BDL	BDL		

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 100-277-2
PO No. : H313819
Date : 10-26-90

EPA METHOD 602/8020

CTL Sample No.	MDL	9440 901016 101	9441 901016 102		
Benzene	1	BDL	BDL		
Toluene	1	BDL	BDL		
Ethyl Benzene	1	BDL	BDL		
P & M Xylene	1	BDL	BDL		
O- Xylene	1	BDL	BDL		
1,4-Dichlorobenzene	1	BDL	BDL		
1,3-Dichlorobenzene	1	BDL	BDL		
1,2-Dichlorobenzene	1	BDL	BDL		

MDL = Minimum Detectable Level/BDL = Below Detection Level/ UNITS=PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

October 29, 1990

Textron Lycoming
c/o Conn. Envir. Engineering Serv.
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 100-331-1
P.O No. H313819
Inv. No. 17410

Dear Dr Dobay :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : October 16, 1990

Results are reported in **ppb** and the samples were analyzed by GC/MS. All reported compounds were confirmed by a **NBS Library Search**. We have retained all spectra and search results in our files. If you require this information in printed form it will be available for 30 days from date of report at a small fee. (Fee Based On Length Of Report). Data older than 30 days will be erased and samples may have to be re-analyzed to obtain the spectra and search results. There will be a re-analysis fee if this is requested.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:hc

connecticut testing laboratories INC
WATER SOIL AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE 203/634-3731
165 GRACE AVENUE MERIDEN CT 06450

November 21, 1990

Textron Lycoming
c/o Conn. Envir. Engineering Serv. Inc.
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 100-363-4
P.O. No. H313819
Inv. No. 17454

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : October 16, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER ✱ SOIL ✱ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ✱ 203/634-3731
165 GRACEY AVENUE ✱ MERIDEN CT ✱ 06450

Client : Textron Lycoming
Lab No.: 100-363-4
PO No. : H313819
Date : 10-31-90

TCLP

RESULTS OF ANALYSIS

CTL Sample No.	9443 901016 104			
Arsenic-mg/L	ND<0.05			
Barium-mg/L	ND<0.5			
Cadmium-mg/L	ND<0.01			
Chromium, Total-mg/L	ND<0.05			
Lead-mg/L	0.18			
Mercury-mg/L	ND<0.002			
Selenium-mg/L	ND<0.01			
Silver-mg/L	ND<0.01			

CTL Sample No.	9440 901016 101	9441 901016 102	9442 901016 103	
Oil & Grease (HC)-ppm	116	156	87	
% Total Solids (at 105°C)	84.16	89.84	86.36	

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No PH-0547

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME:	PROJECT LOCATION	PROJECT NUMBER
Building 65	Stratford, Connecticut (Bldg. 65/South Lot)	H299395

REPORT TO: M. Nosenzo/D. Babcock → Dabay

INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other, Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
7	901018-104	S	1	G	4oz	I	O&G (TPH)	South Lot Composite				
				Teff. cap			VOC 8010, 8020	Primary working Pit				
							c% TS (105°C)	Still wet - Distinct				
								odor but lower level				
8	901018-105	S	1	G	4oz	I	Same	South Lot - Reserve				
				Teff. cap				pit - north / primary				
								pit - middle				
								pit - Distinct				
								Flow readily				
								& little odor				

Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
[signature]	[signature]	10/18/90	1PM

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	7, 8	[signature]	[signature]	10/18	2:25p
2					

ADDITIONAL COMMENTS.

October 26, 1990

Textron Lycoming
c/o Conn. Envir. Engineering Serv Inc.
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 100-275-5
P.O. No. H313819
Inv. No. 17374

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : October 18, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix

Please contact us if you have any questions

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories INC
WATER SOIL AIR

STEPHEN J FRANCO
Laboratory Director
PHONE ☎ 203/634-3731
[illegible] GRACEY AVENUE • MERIDEN CT [illegible]

Client : Textron Lycoming	Date Recd : 10-18-90
Lab No.: 100-275-5	Date Extracted: 10-24-90
PO No. : H313819	Date Tested : 10-24-90
Date : 10-26-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	9529 901018 101	9530 901018 102	9531 901018 103	9532 901018 104
Chloromethane	50	BDL	BDL	BDL	BDL
Bromomethane	50	BDL	BDL	BDL	BDL
Vinylchloride	50	BDL	BDL	BDL	BDL
Chloroethane	50	BDL	BDL	BDL	BDL
Methylenechloride	25	BDL	BDL	BDL	BDL
Trichlorofluoromethane	25	BDL	BDL	BDL	BDL
11-Dichloroethylene	25	BDL	BDL	BDL	BDL
11-Dichloroethane	25	BDL	BDL	BDL	BDL
T12-Dichloroethylene	25	BDL	BDL	BDL	BDL
Chloroform	25	BDL	BDL	BDL	BDL
12-Dichloroethane	25	BDL	BDL	BDL	BDL
111-Trichloroethane	25	BDL	BDL	BDL	BDL
Carbontetrachloride	25	BDL	BDL	BDL	BDL
Bromodichloromethane	25	BDL	BDL	BDL	BDL
12-Dichloropropane	25	BDL	BDL	BDL	BDL
T13-Dichloropropylene	25	BDL	BDL	BDL	BDL
Trichloroethylene	25	BDL	BDL	BDL	BDL
Dibromochloromethane	25	BDL	BDL	BDL	BDL
112-Trichloroethane	25	BDL	BDL	BDL	BDL
Cis13-Dichloropropylene	25	BDL	BDL	BDL	BDL
2-Chlorethylvinylether	25	BDL	BDL	BDL	BDL
Bromoform	25	BDL	BDL	BDL	BDL
1122-Tetrachloroethane	25	BDL	BDL	BDL	BDL
Tetrachloroethylene	25	BDL	BDL	BDL	BDL
Chlorobenzene	25	BDL	BDL	BDL	BDL
Benzyl Chloride	50	BDL	BDL	BDL	BDL
Bis(2-chlorethoxy)methane	50	BDL	BDL	BDL	BDL
Bis(2-chloroisopropyl)eth	50	BDL	BDL	BDL	BDL
Bromobenzene	25	BDL	BDL	BDL	BDL
Chloracetaldehyde	50	BDL	BDL	BDL	BDL
1-Chlorohexane	25	BDL	BDL	BDL	BDL
Chloromethyl methyl ether	50	BDL	BDL	BDL	BDL
Chlorotoluene	25	BDL	BDL	BDL	BDL
Dibromomethane	25	BDL	BDL	BDL	BDL
12-Dichlorobenzene	25	BDL	BDL	BDL	BDL
13-Dichlorobenzene	25	BDL	BDL	BDL	BDL
14-Dichlorobenzene	25	BDL	BDL	BDL	BDL
Trichloropropane	25	BDL	BDL	BDL	BDL

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming		Date Recd	: 10-18-90
Lab No.: 100-275-5		Date Extracted	: 10-24-90
PO No. : H313819		Date Tested	: 10-24-90
Date : 10-26-90		Analyst	: RS

EPA METHOD 601/8010

CTL Sample No.	MDL	9533 901018 105			
Chloromethane	50	BDL			
Bromomethane	50	BDL			
Vinylchloride	50	BDL			
Chloroethane	50	BDL			
Methylenechloride	25	BDL			
Trichlorofluoromethane	25	BDL			
11-Dichloroethylene	25	BDL			
11-Dichloroethane	25	BDL			
T12-Dichloroethylene	25	BDL			
Chloroform	25	BDL			
12-Dichloroethane	25	BDL			
111-Trichloroethane	25	BDL			
Carbontetrachloride	25	BDL			
Bromodichloromethane	25	BDL			
12-Dichloropropane	25	BDL			
T13-Dichloropropylene	25	BDL			
Trichloroethylene	25	BDL			
Dibromochloromethane	25	BDL			
112-Trichloroethane	25	BDL			
Cis13-Dichloropropylene	25	BDL			
2-Chlorethylvinylether	25	BDL			
Bromoform	25	BDL			
1122-Tetrachloroethane	25	BDL			
Tetrachloroethylene	25	BDL			
Chlorobenzene	25	BDL			
Benzyl Chloride	50	BDL			
Bis(2-chlorethoxy)methane	50	BDL			
Bis(2-chloroisopropyl)eth	50	BDL			
Bromobenzene	25	BDL			
Chloracetaldehyde	50	BDL			
1-Chlorohexane	25	BDL			
Chloromethyl methyl ether	50	BDL			
Chlorotoluene	25	BDL			
Dibromomethane	25	BDL			
12-Dichlorobenzene	25	BDL			
13-Dichlorobenzene	25	BDL			
14-Dichlorobenzene	25	BDL			
Trichloropropane	25	BDL			

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 100-275-5
PO No. : H313819
Date : 10-26-90

EPA METHOD 602/8020
CTL Sample No.

	MDL	9529 901018 101	9530 901018 102	9531 901018 103	9532 901018 104
Benzene	50	BDL	BDL	BDL	BDL
Toluene	50	BDL	BDL	BDL	BDL
Ethyl Benzene	50	BDL	BDL	BDL	BDL
P & M Xylene	50	BDL	BDL	BDL	BDL
O- Xylene	50	BDL	BDL	BDL	BDL
1,4-Dichlorobenzene	50	BDL	BDL	BDL	BDL
1,3-Dichlorobenzene	50	BDL	BDL	BDL	BDL
1,2-Dichlorobenzene	50	BDL	BDL	BDL	BDL

MDL = Minimum Detectable Level

BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 100-275-5
PO No. : H313819
Date : 10-26-90

EPA METHOD 602/8020

CTL Sample No.	MDL	9533 901018 105			
Benzene	50	BDL			
Toluene	50	BDL			
Ethyl Benzene	50	BDL			
P & M Xylene	50	BDL			
O- Xylene	50	BDL			
1,4-Dichlorobenzene	50	BDL			
1,3-Dichlorobenzene	50	BDL			
1,2-Dichlorobenzene	50	BDL			

MDL = Minimum Detectable Level BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME:	PROJECT LOCATION	PROJECT NUMBER
Building 65	Stratford, Connecticut (Bldg. 65/South Lot)	11299395

REPORT TO: M. Nosenzo/D. Babcock Dobay

INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other, Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
1	901029-101	S	1	G	4oz	I	O&G (TPH)	South Lot				
				Teflon lined			VOC 8010, 8020	Composite				
							%TS @ 105°C	Working u/t				
								Mid depth of				
								pier furnace				

Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code: I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other *Specify*

Sampler's Signature	Affiliation	Date	Time
Donald G O'Day	Coastal	10/29	11AM

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1	Donald G O'Day	Maria M Jaques	10/31	4:20
2					

ADDITIONAL COMMENTS:

November 14, 1990

Textron Lycoming
c/o Conn. Envir. Engineering Serv. Inc.
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 100-553-1
P.O. No. H313819
Inv. No. 17698

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : October 29, 1990

All testing procedures comply with EPA/DEP approved methods.Results reported in Mg/L indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with PPM or Mg/Kg indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in PPB for soil and water and PPM for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06450

Client : Textron Lycoming
Lab No.: 100-553-1
PO No. : H313819
Date : 11-14-90

RESULTS OF ANALYSIS

CTL Sample No.	10028 901029 101			
Oil & Grease (HC)-ppm	142			
% Total Solids (at 105°C)	87.0			

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming	Date Recd : 10-29-90
Lab No.: 100-470-1	Date Extracted: 11-5-90
PO No. : H313819	Date Tested : 11-5-90
Date : 11-6-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	10028 901029 101			
Chloromethane	50	BDL			
Bromomethane	50	BDL			
Vinylchloride	50	BDL			
Chloroethane	50	BDL			
Methylenechloride	25	BDL			
Trichlorofluoromethane	25	BDL			
11-Dichloroethylene	25	BDL			
11-Dichloroethane	25	BDL			
T12-Dichloroethylene	25	BDL			
Chloroform	25	BDL			
12-Dichloroethane	25	BDL			
111-Trichloroethane	25	BDL			
Carbontetrachloride	25	BDL			
Bromodichloromethane	25	BDL			
12-Dichloropropane	25	BDL			
T13-Dichloropropylene	25	BDL			
Trichloroethylene	25	BDL			
Dibromochloromethane	25	BDL			
112-Trichloroethane	25	BDL			
Cis13-Dichloropropylene	25	BDL			
2-Chlorethylvinylether	25	BDL			
Bromoform	25	BDL			
1122-Tetrachloroethane	25	BDL			
Tetrachloroethylene	25	BDL			
Chlorobenzene	25	BDL			
Benzyl Chloride	50	BDL			
Bis(2-chlorethoxy)methane	50	BDL			
Bis(2-chloroisopropyl)eth	50	BDL			
Bromobenzene	25	BDL			
Chloracetaldehyde	50	BDL			
1-Chlorohexane	25	BDL			
Chloromethyl methyl ether	50	BDL			
Chlorotoluene	25	BDL			
Dibromomethane	25	BDL			
12-Dichlorobenzene	25	BDL			
13-Dichlorobenzene	25	BDL			
14-Dichlorobenzene	25	BDL			
Trichloropropane	25	BDL			

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 100-470-1
PO No. : H313819
Date : 11-6-90

EPA METHOD 602/8020

CTL Sample No.	MDL	10028 901029 101			
Benzene	50	BDL			
Toluene	50	BDL			
Ethyl Benzene	50	BDL			
P & M Xylene	50	BDL			
O- Xylene	50	BDL			
1,4-Dichlorobenzene	50	BDL			
1,3-Dichlorobenzene	50	BDL			
1,2-Dichlorobenzene	50	BDL			

MDL = Minimum Detectable Level BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

TEXTRON Lycoming

Stratford Division
Textron Lycoming /
Subsidiary of Textron Inc.

550 Main Street
Stratford, CT 06497
203/385-2000

CHAIN-OF-CUSTODY RECORD

No

PROJECT NAME:	PROJECT LOCATION	PROJECT NUMBER
Building 65	Stratford, Connecticut (Bldg. 65/South Lot)	11299395

REPORT TO: M. Nosenzo/D. Babcock
INVOICE TO: Textron Lycoming

Source Codes: W=Well O=Outfall RO=Run Off R=River/Stream B=Bottom Sediment
ST=Septic Tank S=Soil SG=Sludge LF=Landfill L=Lake/Ocean T=Treatment Facility
X=Other, Specify G.W. = Ground Water

ITEM NUMBER	SAMPLE NUMBER	SOURCE CODE	CONTAINER NO	CONTAINER TYPE	CONTAINER SIZE	CONTAINER PRESERV	ANALYSIS REQUIRED	COMMENTS	TRANSFER NUMBER & CHECK 1	2	3	4
1	901102-101	S	1	G	4oz	I	VOC's 8010, 8020	South Lot -				
				tfl. cap			O & G (TPH)	Scanjed				
							% TS @ 105°C	Composite of				
								8 points				

Container Code: P = Plastic E = EPA VIAL C = Cube G = Glass A = Amber Glass B = Bacteria Bottle
Preservative Code: I = Iced F = Filtered N = Nitric Acid (HNO_3) H = Hydrochloric Acid (HCl) S = Sodium Hydroxide (NaOH) T = Sodium Thiosulfate
O = Other Specify

Sampler's Signature	Affiliation	Date	Time
Donald G O'Day	Central	11/02/90	3:15

ADDITIONAL COMMENTS:

TRANSFER NUMBER	ITEM NUMBER	TRANSFERS RELINQUISHED BY	ACCEPTED BY	DATE	TIME
1	1	Donald G O'Day	[illegible]	11/2	4:35
2					

November 20, 1990

Textron Lycoming
c/o Conn. Envir. Engineering Serv.
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 110-162-1
P.O. No. H313819
Inv. No. 17799

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : November 2, 1990

All testing procedures comply with EPA/DEP approved methods.Results reported in Mg/L indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with PPM or Mg/Kg indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in PPB for soil and water and PPM for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06450

Client : Textron Lycoming
Lab No.: 110-162-1
PO No. : H313819
Date : 11-20-90

RESULTS OF ANALYSIS

CTL Sample No.	10177 901102 101			
Oil & Grease (HC)-ppm	276			
% Total Solids (@105°c)	91.81			

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No PH-0547

November 9, 1990

Textron Lycoming
c/o Conn. Envir. Engineering Serv., Inc.
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 110-015-1
P.O. No. H313819
Inv. No. 17625

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : November 2, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06450

Client : Textron Lycoming	Date Recd : 11-2-90
Lab No.: 110-015-1	Date Extracted: 11-8-90
PO No. : H313819	Date Tested : 11-8-90
Date : 11-9-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	10177 901102 101			
Chloromethane	50	BDL			
Bromomethane	50	BDL			
Vinylchloride	50	BDL			
Chloroethane	50	BDL			
Methylenechloride	25	BDL			
Trichlorofluoromethane	25	BDL			
11-Dichloroethylene	25	BDL			
11-Dichloroethane	25	BDL			
T12-Dichloroethylene	25	BDL			
Chloroform	25	BDL			
12-Dichloroethane	25	BDL			
111-Trichloroethane	25	BDL			
Carbontetrachloride	25	BDL			
Bromodichloromethane	25	BDL			
12-Dichloropropane	25	BDL			
T13-Dichloropropylene	25	BDL			
Trichloroethylene	25	BDL			
Dibromochloromethane	25	BDL			
112-Trichloroethane	25	BDL			
Cis13-Dichloropropylene	25	BDL			
2-Chlorethylvinylether	25	BDL			
Bromoform	25	BDL			
1122-Tetrachloroethane	25	BDL			
Tetrachloroethylene	25	BDL			
Chlorobenzene	25	BDL			
Benzyl Chloride	50	BDL			
Bis(2-chlorethoxy)methane	50	BDL			
Bis(2-chloroisopropyl)eth	50	BDL			
Bromobenzene	25	BDL			
Chloracetaldehyde	50	BDL			
1-Chlorohexane	25	BDL			
Chloromethyl methyl ether	50	BDL			
Chlorotoluene	25	BDL			
Dibromomethane	25	BDL			
12-Dichlorobenzene	25	BDL			
13-Dichlorobenzene	25	BDL			
14-Dichlorobenzene	25	BDL			
Trichloropropane	25	BDL			

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 110-015-1
PO No. : H313819
Date : 11-9-90

EPA METHOD 602/8020

CTL Sample No.	MDL	10177 901102 101			
Benzene	50	BDL			
Toluene	50	BDL			
Ethyl Benzene	50	BDL			
P & M Xylene	50	BDL			
O- Xylene	50	BDL			
1,4-Dichlorobenzene	50	BDL			
1,3-Dichlorobenzene	50	BDL			
1,2-Dichlorobenzene	50	BDL			

MDL = Minimum Detectable Level BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

CHAIN OF CUSTODY RECORD

Client: Textron-Lycoming

Att: Debay

Job/PO #

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731 (Fax)-630-1336

SAMPLER(print): Donald Debay

SAMPLER(sign): Donald Debay

PRIORITY (circle): YES NO

#	FIELD DESCRIPTION (print neatly)	Date Sampled	Matrix W S A O	Container P G V	Preserv C A B N	Sample Volumes
1	901109-101 South Lot Composite Treated Mid Pt Plow Line	11/9/90 330PM	S	G-Teflon cap	C	4L3

▸	CHECK ANALYTES	1	2	3	4	5	6	7	8
C	EP-TOX(8) METALS								
T	8010 Scan	✓							
	8020 Scan	✓							
T	8015 Scan								
E	PCB Scan								
	Cu								
	Ni								
I	Zn								
N	Cyanide T or A								
G	8080 Scan								
	DW Pest./Herb.								
L	8100 GC/MS								
A	BASE NEUTRAL								
B	ACID EXTRACTABLES								
S	pH								
	TSS								
I	NH3-N								
N	NO3-N / NO2-N								
C									

CHECK ANALYTES	1	2	3	4	5	6	7	8
ORG-N / TKN								
TOC / TOX								
COD / BOD								
TDS								
O+G (TPH)-IR	✓							
TCLP(Metals)								
TCLP (Organic)								
%TS - 105°C	✓							

Relinq. By: Donald Debay	Date/Time : 11/9/90 4:40	Rec'd : 11/9/90 4.41
Relinq. By:	Date/Time :	Rec'd :

All samples held for 30 days. We are not responsible for lost samples if form and sample containers are not labeled correctly. ▸custody.frm 02/90◂

ORIGINAL

November 14, 1990

Textron Lycoming
c/o Conn. Envir. Engineering Serv. Inc.
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 110-074-1
P.O. No. H313819
Inv. No. 17699

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order

The samples were received on : November 9, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER SOIL & AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE # 203/634-3731
165 GRACEY AVENUE • MERIDEN, CT • 06450

November 30, 1990

Textron Lycoming
c/o Conn. Envir. Engineering
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 110-279-1
P.O. No. H313819
Inv. No. 17935

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : November 9, 1990

All testing procedures comply with EPA/DEP approved methods.Results reported in Mg/L indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with PPM or Mg/Kg indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in PPB for soil and water and PPM for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06450

Client : Textron Lycoming	Date Recd : 11-9-90
Lab No.: 110-074-1	Date Extracted: 11-12-90
PO No. : H313819	Date Tested : 11-12-90
Date : 11-14-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	10401 901109 101			
Chloromethane	50	BDL			
Bromomethane	50	BDL			
Vinylchloride	50	BDL			
Chloroethane	50	BDL			
Methylenechloride	25	BDL			
Trichlorofluoromethane	25	BDL			
11-Dichloroethylene	25	BDL			
11-Dichloroethane	25	BDL			
T12-Dichloroethylene	25	BDL			
Chloroform	25	BDL			
12-Dichloroethane	25	BDL			
111-Trichloroethane	25	BDL			
Carbontetrachloride	25	BDL			
Bromodichloromethane	25	BDL			
12-Dichloropropane	25	BDL			
T13-Dichloropropylene	25	BDL			
Trichloroethylene	25	BDL			
Dibromochloromethane	25	BDL			
112-Trichloroethane	25	BDL			
Cis13-Dichloropropylene	25	BDL			
2-Chlorethylvinylether	25	BDL			
Bromoform	25	BDL			
1122-Tetrachloroethane	25	BDL			
Tetrachloroethylene	25	BDL			
Chlorobenzene	25	BDL			
Benzyl Chloride	50	BDL			
Bis(2-chlorethoxy)methane	50	BDL			
Bis(2-chloroisopropyl)eth	50	BDL			
Bromobenzene	25	BDL			
Chloracetaldehyde	50	BDL			
1-Chlorohexane	25	BDL			
Chloromethyl methyl ether	50	BDL			
Chlorotoluene	25	BDL			
Dibromomethane	25	BDL			
12-Dichlorobenzene	25	BDL			
13-Dichlorobenzene	25	BDL			
14-Dichlorobenzene	25	BDL			
Trichloropropane	25	BDL			

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 110-074-1
PO No. : H313819
Date : 11-14-90

EPA METHOD 602/8020

CTL Sample No.	MDL	10401 901109 101			
Benzene	50	BDL			
Toluene	50	BDL			
Ethyl Benzene	50	BDL			
P & M Xylene	50	BDL			
O- Xylene	50	BDL			
1,4-Dichlorobenzene	50	BDL			
1,3-Dichlorobenzene	50	BDL			
1,2-Dichlorobenzene	50	BDL			

MDL = Minimum Detectable Level

BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No PH-0547

CHAIN OF CUSTODY RECORD

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731 (Fax)-630-1336

nt: Tomlinson

Dabney

PO #

SAMPLER(print): Donald G Dabney

SAMPLER(sign): Donald G Dabney

PRIORITY (circle): YES (NO)

FIELD DESCRIPTION (print neatly)	Date Sampled	Matrix W S A O	Container P G V	Preserv C A B N	Sample Volumes
TC1116-101	11/16/90	S	G-Tyler Comp	C	4 oz
with 1st composite. It has been down for 1 week					

CHECK ANALYTES	1	2	3	4	5	6	7	8
EP-TOX(8) METALS								
010 Scan	✓							
8020 Scan	✓							
015 Scan								
PCB Scan								
Cu								
Ni								
Zn								
Cyanide T or A								
8080 Scan								
DW Pest./Herb.								
8100 GC/MS								
BASE NEUTRAL								
ACID EXTRACTABLES								
pH								
TSS								
NH3-N								
NO3-N / NO2-N								

CHECK ANALYTES	1	2	3	4	5	6	7	8
ORG-N / TKN								
TOC / TOX								
COD / BOD								
TDS								
O+G (TPH)-IR	✓							
TCLP(Metals)								
TCLP (Organic)								
% TS - Dry at 105C	✓							

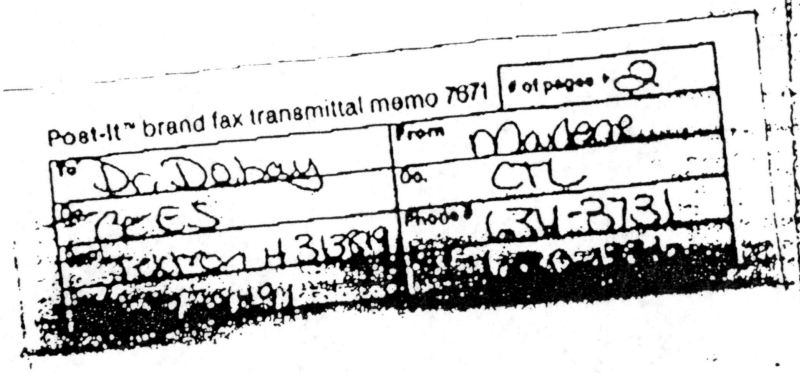
Relinq. By: Donald G Dabney — Date/Time: 11/16/90 10:22 AM — Rec'd: Kim Longo 11/16/90

Relinq. By: — Date/Time: — Rec'd:

All samples held for 30 days. We are not responsible for lost samples if form and sample containers are not labeled correctly. ▸custody.frm 02/90◂

ORIGINAL

December 3, 1990



Textron Lycoming
550 Main Street
Stratford, CT 06497

Att: Mr. Mike Nosenzo

RE: LAB. No. 110-333-1
P.O. No. H 313819
Inv. No. 17989

Dear Mr. Nosenzo :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : November 16, 1990

All testing procedures comply with EPA/DEP approved methods.Results reported in Mg/L indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with PPM or Mg/Kg indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in PPB for soil and water and PPM for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER · SOIL · AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE 203/634-3731
165 GRACEY AVENUE · MERIDEN, CT 06450

Client : Textron Lycoming
Lab No.: 110-333-1
PO No. : H 313819
Date : 12/3/90

RESULTS OF ANALYSIS

CTL NO.	10621 901116-101			
Oil & Grease (HC) ppm	71			
% Total Solids(105°C)	81.57			

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

November 20, 1990

Textron Lycoming
c/o Conn. Envir. Engineering Serv.
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 110-150-1
P.O. No. H313819
Inv. No. 17810

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : November 16, 1990

All testing procedures comply with **EPA/DEP** approved methods.Results reported in **Mg/L** indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with **PPM** or **Mg/Kg** indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in **PPB** for soil and water and **PPM** for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06450

Client : Textron Lycoming	Date Recd : 11-16-90
Lab No.: 110-150-1	Date Extracted: 11-16-90
PO No. : H313819	Date Tested : 11-16-90
Date : 11-20-90	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	10621 901116 101			
Chloromethane	50	BDL			
Bromomethane	50	BDL			
Vinylchloride	50	BDL			
Chloroethane	50	BDL			
Methylenechloride	25	BDL			
Trichlorofluoromethane	25	BDL			
11-Dichloroethylene	25	BDL			
11-Dichloroethane	25	BDL			
T12-Dichloroethylene	25	BDL			
Chloroform	25	BDL			
12-Dichloroethane	25	BDL			
111-Trichloroethane	25	BDL			
Carbontetrachloride	25	BDL			
Bromodichloromethane	25	BDL			
12-Dichloropropane	25	BDL			
T13-Dichloropropylene	25	BDL			
Trichloroethylene	25	BDL			
Dibromochloromethane	25	BDL			
112-Trichloroethane	25	BDL			
Cis13-Dichloropropylene	25	BDL			
2-Chlorethylvinylether	25	BDL			
Bromoform	25	BDL			
1122-Tetrachloroethane	25	BDL			
Tetrachloroethylene	25	BDL			
Chlorobenzene	25	BDL			
Benzyl Chloride	50	BDL			
Bis(2-chlorethoxy)methane	50	BDL			
Bis(2-chloroisopropyl)eth	50	BDL			
Bromobenzene	25	BDL			
Chloracetaldehyde	50	BDL			
1-Chlorohexane	25	BDL			
Chloromethyl methyl ether	50	BDL			
Chlorotoluene	25	BDL			
Dibromomethane	25	BDL			
12-Dichlorobenzene	25	BDL			
13-Dichlorobenzene	25	BDL			
14-Dichlorobenzene	25	BDL			
Trichloropropane	25	BDL			

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 110-150-1
PO No. : H313819
Date : 11-20-90

EPA METHOD 602/8020

CTL Sample No.	MDL	10621 ~~90116~~ 101			
Benzene	50	BDL			
Toluene	50	BDL			
Ethyl Benzene	50	BDL			
P & M Xylene	50	BDL			
O- Xylene	50	BDL			
1,4-Dichlorobenzene	50	BDL			
1,3-Dichlorobenzene	50	BDL			
1,2-Dichlorobenzene	50	BDL			

MDL = Minimum Detectable Level

BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

CHAIN OF CUSTODY RECORD

Client: Textron

Att: Dehay

Job/PO #

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731 (Fax)-630-1336

SAMPLER(print): Donald Dehay

SAMPLER(sign): Donald G Dehay

PRIORITY (circle): YES NO

#	FIELD DESCRIPTION (print neatly)	Date Sampled	Matrix W S A O	Container P G V	Preserv C A B N	Sample Volumes
1	901121-101	11/21/90 330	S	G-4 Teflon cap	C	4 oz
	South Lot - Composite					
	Mid Pt - Plow Furrow					

▸	CHECK ANALYTES	1	2	3	4	5	6	7	8
C	EP-TOX(8) METALS								
T	8010 Scan	✓							
	8020 Scan	✓							
T	8015 Scan								
P	PCB Scan								
S	Cu								
	Ni								
I	Zn								
N	Cyanide T or A								
G	8080 Scan								
	DW Pest./Herb.								
L	8100 GC/MS								
A	BASE NEUTRAL								
B	ACID EXTRACTABLES								
S	pH								
	TSS								
I	NH3-N								
N	NO3-N / NO2-N								

CHECK ANALYTES	1	2	3	4	5	6	7	8
ORG-N / TKN								
TOC / TOX								
COD / BOD								
TDS								
O+G (TPH)-IR	✓							
TCLP(Metals)								
TCLP (Organic)								
O/D TS at 105 C								

Reling. By: Donald G Dehay	Date/Time : 11/21/90 440	Rec'd Robert Gibbons	
Reling. By:	Date/Time :	Rec'd : 11/21/90 4:35	

All samples held for 30 days. We are not responsible for lost samples if form and sample containers are not labeled correctly. ▸custody.frm 02/90◂

ORIGINAL

December 6, 1990

Textron Lycoming
c/o Conn. ENvir. Engineering Serv., Inc.
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 110-401-1
P.O. No. H313819
Inv. No. 18061

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : November 21, 1990

All testing procedures comply with EPA/DEP approved methods.Results reported in Mg/L indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with PPM or Mg/Kg indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in PPB for soil and water and PPM for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER • SOIL • AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE • 203/634-3731
165 GRACEY AVENUE • MERIDEN, CT • 06450

Client : Textron Lycoming
Lab No.: 110-401-1
PO No. : H313819
Date : 12-6-90

RESULTS OF ANALYSIS

CTL Sample No.	10825 901121 101			
Oil & Grease (HC)-ppm	114			
% Total Solids	92.02			

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden CT 06450
(203)-634-3731
Connecticut Certification No PH-0547

CHAIN OF CUSTODY RECORD	CONNECTICUT TESTING LABORATORIES, INC. 165 Gracey Avenue / Meriden, CT 06450 (203)-634-3731 (Fax)-630-1336
Client: [illegible]	SAMPLER(print): Donald G. Delay
Att: Dr Day	SAMPLER(sign): Donald G Delay
Job/PO #	PRIORITY (circle): YES NO

#	FIELD DESCRIPTION (print neatly)	Date Sampled	Matrix W S A O	Container P G V	Preserv C A B N	Sample Volumes
1	901130-101	11/30/90 10 AM	S	G	C	4 G3
	South Lot - Composite 0 8 - midpoint) flow-pursuant					

▸	CHECK ANALYTES	1	2	3	4	5	6	7	8
C	EP-TOX(8) METALS								
T	8010 Scan	✓							
	8020 Scan	✓							
T	8015 Scan								
E	PCB Scan								
	Cu								
	Ni								
I	Zn								
N	Cyanide T or A								
G	8080 Scan								
	DW Pest./Herb.								
L	8100 GC/MS								
A	BASE NEUTRAL								
B	ACID EXTRACTABLES								
S	pH								
	TSS								
I	NH3-N								
N	NO3-N / NO2-N								

CHECK ANALYTES	1	2	3	4	5	6	7	8
ORG-N / TKN								
TOC / TOX								
COD / BOD								
TDS								
O+G (TPH)-IR	✓							
TCLP(Metals)								
TCLP (Organic)								
% T.S. - 105C	✓							

C	Relinq. By: Donald G Delay	Date/Time : 11/30/90	Rec'd :
	Relinq. By:	Date/Time :	Rec'd :

All samples held for 30 days. We are not responsible for lost samples if form and sample containers are not labeled correctly. ▸custody.frm 02/90◂

ORIGINAL

December 5, 1990

Textron Lycoming
c/o Conn. Envir. Engineering Serv., Inc.
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 110-346-1
P.O. No. N/A
Inv. No. 18044

Dear Dr. Dobay :

The attached report are results of analysis on the above referenced Purchase Order.

The samples were received on : November 30, 1990

All testing procedures comply with EPA/DEP approved methods.Results reported in Mg/L indicate the sample matrix to be water or an EP Toxicity and or TCLP Extract. Results with PPM or Mg/Kg indicate the matrix to be a solid or an oil matrix and the results represent mass analysis. Organic analyses are always reported in PPB for soil and water and PPM for an oil matrix.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER ■ SOIL ■ AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06450

Client : Textron Lycoming
Lab No.: 110-423-1
PO No. : N/A
Date : 12-12-90

RESULTS OF ANALYSIS

CTL Sample No.	10982 901130-101			
Oil & Grease (HC)-ppm	198			
% Total Solids @ 105°c	89.16			

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
(203)-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 110-346-1
PO No. : N/A
Date : 12-5-90

EPA METHOD 602/8020

CTL Sample No.	MDL	10982 901130 101			
Benzene	50	BDL			
Toluene	50	BDL			
Chlorobenzene	50	BDL			
Ethyl Benzene	50	BDL			
P & M Xylene	50	BDL			
O- Xylene	50	BDL			
1,4-Dichlorobenzene	50	BDL			
1,3-Dichlorobenzene	50	BDL			
1,2-Dichlorobenzene	50	BDL			

MDL = Minimum Detectable Level

BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

CHAIN OF CUSTODY RECORD	CONNECTICUT TESTING LABORATORIES, INC. 165 Gracey Avenue / Meriden, CT 06450 (203)-634-3731 (Fax)-630-1336
Client:	SAMPLER(print):
Att:	SAMPLER(sign):
Job/PO #	PRIORITY (circle): YES NO

#	FIELD DESCRIPTION (print neatly)	Date Sampled	Matrix W S A O	Container P G V	Preserv C A B N	Sample Volumes
1	SP1324-101					
	Composite of 3 pits					
	Excavation Area					
	South End					

▸	CHECK ANALYTES	1	2	3	4	5	6	7	8
C	EP-TOX(8) METALS								
T	8010 Scan								
	8020 Scan								
T	8015 Scan								
	PCB Scan								
	Cu								
	Ni								
I	Zn								
N	Cyanide T or A								
G	8080 Scan								
	DW Pest./Herb.								
L	8100 GC/MS								
A	BASE NEUTRAL								
B	ACID EXTRACTABLES								
S	pH								
	TSS								
I	NH3-N								
N	NO3-N / NO2-N								

CHECK ANALYTES	1	2	3	4	5	6	7	8
ORG-N / TKN								
TOC / TOX								
COD / BOD								
TDS								
O+G (TPH)-IR	✓							
TCLP(Metals)								
TCLP (Organic)								
c/t T.S. for TCLP	✓							

Relinq. By:	Date/Time :	Rec'd
Relinq. By:	Date/Time :	Rec'd :

ll samples held for 30 days. We are not responsible for lost samples if m and sample containers are not labeled correctly. ▸custody.frm 02/90◂

ORIGINAL

January 8, 1991

Textron Lycoming
c/o Conn. Envir. Engineering
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 120-413-1
P.O. No. 120790
Inv. No. 18501

Dear Dr. Dobay .

The attached report are results of analysis for your Purchase Order: 120790

Samples were received on : December 28, 1990

All testing methods comply with EPA Approved Procedures. Test results with units of MG/L (Milligrams per Liter) indicate the final sample matrix to be aqueous.

Results reported in PPM (Parts per Million) or Mg/Kg (Milligrams per Kilogram) indicate a Mass Analysis.

Test results for organic compounds are generally reported in PPB (Parts per Billion) however, TCLP results are reported in PPM for easy comparison to the regulatory levels.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc.
WATER · SOIL · AIR

STEPHEN J. FRANCO
Laboratory Director
PHONE ■ 203/634-3731
165 GRACEY AVENUE ■ MERIDEN, CT ■ 06450

January 7, 1991

Textron Lycoming
c/o Conn. Envir. Engineering
107B Old Windsor Rd.
Bloomfield, CT 06002

Att: Dr. Donald Dobay

RE: LAB. No. 120-390-1
P.O. No. 120790
Inv. No. 18482

Dear Dr. Dobay .

The attached report are results of analysis for your Purchase Order 120790

Samples were received on : December 28, 1990

All testing methods comply with EPA Approved Procedures. Test results with units of MG/L (Milligrams per Liter) indicate the final sample matrix to be aqueous.

Results reported in PPM (Parts per Million) or Mg/Kg (Milligrams per Kilogram) indicate a Mass Analysis.

Test results for organic compounds are generally reported in PPB (Parts per Billion) however, TCLP results are reported in PPM for easy comparison to the regulatory levels.

Please contact us if you have any questions.

Very truly yours,

Stephen J. Franco

Stephen J. Franco
Laboratory Director

SJF:mr

connecticut testing laboratories inc
WATER SOIL
STEPHEN J. FRANCO
Laboratory Director
PHONE 203/634-3
165 GRACEY AVENUE • MERIDEN, CT

Client : Textron Lycoming	Date Recd : 12-28-90
Lab No.: 120-390-1	Date Extracted: 1-3-91
PO No. : 120790	Date Tested : 1-3-91
Date : 1-7-91	Analyst : RS

EPA METHOD 601/8010

CTL Sample No.	MDL	12173 901224 101			
Chloromethane	50	BDL			
Bromomethane	50	BDL			
Vinylchloride	50	BDL			
Chloroethane	50	BDL			
Methylenechloride	25	BDL			
Trichlorofluoromethane	25	BDL			
11-Dichloroethylene	25	BDL			
11-Dichloroethane	25	BDL			
T12-Dichloroethylene	25	BDL			
Chloroform	25	BDL			
12-Dichloroethane	25	BDL			
111-Trichloroethane	25	BDL			
Carbontetrachloride	25	BDL			
Bromodichloromethane	25	BDL			
12-Dichloropropane	25	BDL			
T13-Dichloropropylene	25	BDL			
Trichloroethylene	25	BDL			
Dibromochloromethane	25	BDL			
112-Trichloroethane	25	BDL			
Cis13-Dichloropropylene	25	BDL			
2-Chlorethylvinylether	25	BDL			
Bromoform	25	BDL			
1122-Tetrachloroethane	25	BDL			
Tetrachloroethylene	25	BDL			
Chlorobenzene	25	BDL			
Benzyl Chloride	50	BDL			
Bis(2-chlorethoxy)methane	50	BDL			
Bis(2-chloroisopropyl)eth	50	BDL			
Bromobenzene	25	BDL			
Chloracetaldehyde	50	BDL			
1-Chlorohexane	25	BDL			
Chloromethyl methyl ether	50	BDL			
Chlorotoluene	25	BDL			
Dibromomethane	25	BDL			
12-Dichlorobenzene	25	BDL			
13-Dichlorobenzene	25	BDL			
14-Dichlorobenzene	25	BDL			
Trichloropropane	25	BDL			

MDL= Minimum Detectable Level/BDL= Below Detection Level/UNITS= PPB

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547

Client : Textron Lycoming
Lab No.: 120-390-1
PO No. : 120790
Date : 1-7-91

EPA METHOD 602/8020

CTL Sample No.	MDL	12173 901224 101			
Benzene	50	BDL			
Toluene	50	BDL			
Chlorobenzene	50	BDL			
Ethyl Benzene	50	BDL			
P & M Xylene	50	BDL			
O- Xylene	50	BDL			
1,4-Dichlorobenzene	50	BDL			
1,3-Dichlorobenzene	50	BDL			
1,2-Dichlorobenzene	50	BDL			

MDL = Minimum Detectable Level

BDL = Below Detection Level

ALL UNITS IN PPB UNLESS NOTED.

CONNECTICUT TESTING LABORATORIES, INC.
165 Gracey Avenue / Meriden, CT 06450
{203}-634-3731
Connecticut Certification No. PH-0547