

SURVEY REPORT

PRE-RENOVATION/DEMOLITION INVESTIGATIVE SURVEY FOR HAZARDOUS BUILDING MATERIALS

OCCUM MAINTENANCE FACILITY OCCUM, CONNECTICUT Project No. 103-247

Prepared for

**State of Connecticut
Department of Transportation**
Newington, Connecticut

Prepared by

TRC
Windsor, Connecticut

Issued
August 2015

**PRE-RENOVATION/DEMOLITION
INVESTIGATIVE SURVEY FOR
HAZARDOUS BUILDING MATERIALS**

**OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Project No. 103-247

Prepared for
State of Connecticut
Department of Transportation
Newington, Connecticut

Prepared by
TRC
Windsor, Connecticut

Erik R. Plimpton, P.E., CHMM, CMC
Vice President - Program Manager

Edmund J. Burke, P.E.
Engineer in Charge

TRC Project No. 183572-5084-0710
Issued-August 2015

TRC
21 Griffin Road North
Windsor, Connecticut 06095
Telephone (860) 298-9692
Facsimile (860) 298-6380

TABLE OF CONTENTS

PROJECT OUTLINE

TABLES

1	BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
2	IDENTIFIED ASBESTOS CONTAINING MATERIALS
3	CONFIRMED NON-ASBESTOS CONTAINING MATERIALS
4	SUMMARY OF LEAD PAINT XRF MEASUREMENTS
5	SUMMARY OF COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION
6	INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED MATERIALS, WASTES AND ITEMS IDENTIFIED
7	BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING CAULK MATERIALS
8	IDENTIFIED PCB CONTAINING CAULK MATERIALS
9	BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS
10	SOIL/SURFACE COVER SAMPLE ANALYTICAL RESULTS
11	IDENTIFIED PCB IMPACTED SUBSTRATES & SOIL/SURFACE COVER

APPENDICES

A	SITE PHOTOS WITH DOT ASSIGNMENT AND MAP
B	SITE SKETCHES
C	CONNECTICUT STATE HISTORICAL PRESERVATION OFFICE SITE REVIEW
D	TRC INSPECTORS LICENSES/CERTIFICATIONS
E	LABORATORY ACCREDITATIONS
F	TRC 2015 ASBESTOS BULK SAMPLE CHAIN OF CUSTODY FORMS
G	TRC 2015 PLM LABORATORY ANALYSIS DATA
H	TRC 2015 TEM LABORATORY ANALYSIS DATA
I	LEAD PAINT XRF MEASUREMENT TABLE
J	COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION DATA
K	PCB CAULK LABORATORY ANALYSIS DATA
L	2001 PRIOR INSPECTION REPORTS
M	RELATED CORRESPONDENCE

PROJECT OUTLINE

DOT Project No.: 103-2477
Assignment No.: 504-5084
DOT Project Manager: Robert A. Reilly

Site Address: Occum Maintenance Facility
125 Taftville Occum Road, Occum, CT

TRC Project No.: 183572-5084-0710
Asbestos Inspector: Hilton Hernandez (LIC #000424)
David Heelon (LIC #000537)
Lead Inspector: David Heelon (LIC #002188)
Date(s) of Inspection: 4/28/15 – 5/1/15 & 7/2/15

Historic Significance: None

Asbestos Identified: Yes
Lead Paint Identified: Yes
Gen. Bldg. Mat. Haz Waste: No
Concrete Recyclable as CTDEEP
“Clean Fill:” Yes (meets CTDEEP RSR testing)
Add'l Haz./Reg. Mat./Waste/Items: Yes (See Table 6)
EPA PCB Caulk: No
CTDEEP PCB Caulk: No
PCB Impacted Substrate: No
PCB Impacted Soil/Surface Cover: No

Additional Notes:

The property consists of a one-story brick Maintenance Facility building with concrete block garage bays/offices, salt shed, fuel island/pumps and metal retaining wall. Utilities, including electric, gas, telephone, and municipal water source, were not shut off prior to arrival as the building was still in use at the time of the inspection. Private septic system services the property. There were numerous groundwater monitoring wells scattered throughout the property and a drinking water drilled well. There are underground diesel and fuel oil storage tanks (UST) located in various exterior areas, one above ground CaCl storage tank (AST), a gross particle separator, an oil water separator, floor drain/trench basins, flag pole, overhead street lights/poles and a low concrete drainage end wall. Prior existing survey data was also used where it was verifiable and current.

TABLES

**TABLE 1
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
Enviromed Bulk Sampling Results – July 2001			
01	Roof	FL1 – grey flashing sealant	NAD
02	Roof	FL1 – grey flashing sealant	NAD
03	Roof	FL2 – grey chimney flashing paper (1 st layer)	10%
04	Roof	FL2 - Black chimney flashing (2 nd layer)	7%
05	Roof	FL2 - Black chimney flashing (3 rd layer)	NAD
06	Roof	FL2 - Black chimney flashing (4 th layer)	NAD
07	Roof	FL2 - Black chimney flashing (bottom layer)	NAD
08	Roof	FL3 – grey patching cement	7%
09	Roof	FL3 – grey patching cement	10%
10	Roof	FL4 – black patching cement	10%
11	Roof	FL4 – black patching cement	NAD ⁺
12	Roof	FL5 – edge flashing (first layer)	NAD
13	Roof	FL5 – edge flashing (under metal)	NAD
14	Roof	JS1 – brown aluminum fascia joint sealant	NAD
15	Roof	JS1 – brown aluminum fascia joint sealant	NAD
16	Roof	JS2 – white silicone gutter joint sealant	NAD
17	Roof	JS2 – white silicone gutter joint sealant	NAD
18	Exterior	JS3 – exterior column sealant	2%
19	Exterior	JS3 – exterior transite panel sealant	3%
20	Office	JS4 – tan/clear sealant around A/C unit window	NAD
21	Office	JS4 – tan/clear sealant around A/C unit window	NAD
22	Office	WG3 – white exterior glazing compound	2%
23	Bay 17	WG3 – white exterior glazing compound	2%

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 Result confirmed by TEM analyses

* Quantified by PLM Point Counting techniques

**TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
24	Break Room	DWG2 – wood door light glazing compound (interior)	3%
25	Exterior	DWG2 – wood door light glazing compound (exterior)	3%
26	Break Room	T1 – transite panel	18%
27	Break Room	T1 – transite panel	20%
28	Bay 1	JS5 – brick to overhead door frame sealant (white)	3%
29	Bay 17	JS5 – brick to overhead door frame sealant (white)	3%
30	Bay 12	JS6 – brown column sealant	NAD
31	Bay 6/7	JS6 – brown column sealant	NAD
32	Roof	RF1 – built –up roofing material black felt paper 1 st layer	NAD
33	Roof	RF1 – built –up roofing material black felt paper 2 nd layer	NAD
34	Roof	RF1 – built –up roofing material black felt paper 3 rd layer	NAD
35	Roof	RF1 – built –up roofing material black felt paper 4 th layer	NAD
36	Roof	RF2 – built-up roofing material – grey felt between Styrofoam/cellulose	NAD
37	Roof	RF3 – built-up roofing material – grey paper under Styrofoam	NAD
38	Roof	RF4 – black roof cement bottom layer	NAD
39	Roof	RF1 – built –up roofing material black felt paper 1 st layer	NAD
40	Roof	RF1 – built –up roofing material black felt paper 2 nd layer	NAD
41	Roof	RF1 – built –up roofing material black felt paper 3 rd layer	NAD
42	Roof	RF1 – built –up roofing material black felt paper 4 th layer	NAD
43	Roof	RF2 – built-up roofing material – grey felt between Styrofoam/cellulose	NAD

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 Result confirmed by TEM analyses

* Quantified by PLM Point Counting techniques

**TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
44	Roof	RF3 – built-up roofing material – grey paper under Styrofoam	NAD
45	Roof	Edge flashing	NAD
46	Bay 1	Black roll roofing on top of rain cap	<1%
47	Bay 17	Black roll roofing on top of rain cap	NAD
48	Bay 1	EJ1 – expansion joint floor sealer	NAD
49	Bay 17	EJ1 – expansion joint floor sealer	NAD
50	Bay 4	BEJ1 – bituminous expansion joint	NAD
51	Bay 11	BEJ1 – bituminous expansion joint	NAD
52	Bay 1	WG1 – grey interior window glazing compound	<1%
53	Void	Void	
54	Bay 1	RS1 – red sealant along rain cap top	NAD
55	Bay 1	RS1 – red sealant along rain cap top	NAD
56	Bay 1	DWG1 – type I metal door glazing sealant	NAD
57	Bay 1	DWG1 – type I metal door glazing sealant	NAD
58	Office 1	WG2 – fixed window glazing compound	<1%
59	Office 1	WG2 – fixed window glazing compound	<1%
60	Office	White with gold plastic laminate	NAD
61	Office	White with gold plastic laminate	NAD
62	Office	M1 – black with gray paint mastic under 12” white/grey vinyl floor tile	NAD
63	Office	M1 – black with gray paint mastic under 12” white/grey vinyl floor tile	NAD
64	Office	FT1 – tan mastic under 12” white/grey vinyl floor tile	NAD
65	Office	FT1 – tan mastic under 12” white/grey vinyl floor tile	NAD
66	Office	FT1 – 12” white/grey vinyl floor tile	NAD

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 Result confirmed by TEM analyses

* Quantified by PLM Point Counting techniques

**TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
67	Office	FT1 – 12" white/grey vinyl floor tile	NAD
68	Office	CT1 – 2'x4' suspended ceiling tile white fabric texture tan matrix	NAD
69	Office	CT1 – 2'x4' suspended ceiling tile white fabric texture tan matrix	NAD
70	Office	SHR1 – type I gypsum ceiling board	NAD
71	Office	SHR1 – type I gypsum ceiling board	NAD
72	Office	JT1 – type I gypsum ceiling board joint tape	NAD
73	Office	JT1 – type I gypsum ceiling board joint tape	NAD
74	Office	JC1 – type I gypsum ceiling board joint compound	1%
75	Office	JC1 – type I gypsum ceiling board joint compound	<1%
76	Office	JC1 – type I gypsum ceiling board joint compound	<1%
77	Office	FM1 – grey mortar	NAD
78	Office	FM1 – grey mortar	NAD
79	Boiler Room	PP1 - Furnace sight door fire-proof pad	70%
80	Boiler Room	PP1 - Furnace sight door fire-proof pad	70%
81	Boiler Room	PP1 - Furnace sight door fire-proof pad	70%
82	Boiler Room	FCL1 – white fire chamber liner	NAD
83	Void	Void	
84	Boiler Room	FCL1 – white warm air furnace fire chamber liner	NAD
85	Boiler Room	M2 – mastic on foil backing of fiberglass warm air furnace insulation	NAD
86	Boiler Room	M2 – mastic on foil backing of fiberglass warm air furnace insulation	NAD
87	Boiler Room	RFP1 – red floor patch	NAD
88	Boiler Room	RFP1 – red floor patch	NAD
89	Boiler Room	RFP1 – red floor patch	NAD

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 Result confirmed by TEM analyses

* Quantified by PLM Point Counting techniques

**TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
90	Bay 17	Black roll roofing mastic	NAD
91	Break area	Black roll roofing mastic	NAD
92	Bay 17	WC1 – grey exterior window frame sealant type I	2%
93	Boiler Room	WC1 – grey exterior window frame sealant type I	2%
94	Boiler Room	WC2 – grey exterior window frame sealant repair type II	NAD
95	Boiler Room	WC2 – grey exterior window frame sealant repair type II	NAD
96	Bay 4	FD1 – corrugated fire door – white insulation	90%
97	Bay 4	FD1 – corrugated fire door – white insulation	90%
98	Break area	DWG3 – metal door type II light glazing sealant	4%
99	Break area	DWG3 – metal door type II light glazing sealant	4%
100	Bay 17	DWG3 – metal door type III light glazing sealant	4%
101	Break area	DWG3 – metal door type III light glazing sealant	NAD ⁺
102	Women's Room	FT2 – 12" grey mottled vinyl floor tile	NAD
103	Women's Room	FT2 – 12" grey mottled vinyl floor tile	NAD
104	Women's Room	FT2 – mastic under 12" grey mottled vinyl floor tile	NAD
105	Women's Room	FT2 – mastic under 12" grey mottled vinyl floor tile	NAD
106	Women's Room	CB1 – 4" black cove base	NAD
107	Women's Room	CB1 – 4" black cove base	NAD
108	Women's Room	Mastic behind CB1 – 4" black cove base	NAD
109	Women's Room	Mastic behind CB1 – 4" black cove base	NAD
110	Women's Room	CT2 – 2'x4' suspended ceiling tile with pinholes & worms	NAD

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 Result confirmed by TEM analyses

* Quantified by PLM Point Counting techniques

**TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
111	Women's Room	CT2 - 2'x4' suspended ceiling tile with pinholes & worms	NAD
112	Women's Room	SHR2 - gypsum wallboard type II	NAD
113	Office	SHR2 - gypsum wallboard type II	NAD
114	Break area	JC2 - joint compound type II	NAD
114	Men's Room	JC2 - joint compound type II	NAD
115	Women's Room	JC2 - joint compound type II	NAD
116	Office	JT2 - type II joint tape	NAD
117	Office	JT2 - type II joint tape	NAD
118	Men's Room	Red wall coating	<1%
119	Men's Room	Red wall coating	<1%
120	Men's Room	Red wall coating	<1%
121	Men's Room	Sink/wall sealant	NAD
122	Men's Room	Sink/wall sealant	NAD
123	Boiler Room	BG1 - warm air furnace burner gasket	15%
124	Boiler Room	BG1 - warm air furnace burner gasket	15%
125	Bay 5	BG2 - "Modine" unit heater burner gasket	NAD
126	Bay 5	BG2 - "Modine" unit heater burner gasket	NAD
127	Bay 1	DS1 - interior door frame sealant	NAD
128	Bay 17	DS1 - interior door frame sealant	NAD
129	Bay 1	DS2 - exterior door frame sealant	NAD
130	Break area	DS2 - exterior door frame sealant	NAD
131	Bay 5	DI1 - "Modine" unit heater heat exchanger access door insulation	NAD
132	Bay 5	DI1 - "Modine" unit heater heat exchanger access door insulation	NAD
133	Bay 5	FLC1 - "Modine" unit heater fire chamber liner	NAD

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 Result confirmed by TEM analyses

* Quantified by PLM Point Counting techniques

**TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
134	Bay 5	FLC1 – “Modine” unit heater fire chamber liner	NAD
135	Bay 5	FLC1 – “Modine” unit heater fire chamber liner	NAD
136	Bay 17	JS8 – electrical conduit exterior wall (south) sealant	NAD
137	Bay 17	JS8 – electrical conduit exterior wall (south) sealant	NAD
138	Boiler Room	PW1 – fiberglass insulation pipe wrap	NAD
139	Boiler Room	PW1 – fiberglass insulation pipe wrap	NAD
140	Boiler Room	PW1 – fiberglass insulation pipe wrap	NAD
TRC Bulk Sampling Results – May 2015			
01	Bay 1	EJ1 – black floor expansion joint hard shiny	Trace chrysotile ¹
02	Bay 4	BEJ1 – black bituminous expansion joint	Trace chrysotile ¹
03	Bay 1	WG1 – white/gray int/ext glazing compound	ND
04	Bay 3	WG1 – white/gray int/ext glazing compound	Trace chrysotile ¹
05	Office 1	WG2 – grey interior fixed window glazing compound	Trace chrysotile ¹
06	Bay 1 door	RS1 – red sealant along rain cap top	ND ¹
07	Bay 1 door	DWG1 – white door window glaze	4.22% chrysotile ¹
08	Bay 1 door	DWG1 – white door window glaze	Trace chrysotile ⁺
09	Office 1	FT1 – 12x12 white/gray streaks floor tile	ND ¹
		Tan mastic associated with FT1	ND ¹
10	Women’s bathroom	FT2 – 12x12 gray mottled floor tile	ND ¹
		Tan mastic associated with FT2	ND
11	Office 1	M1 – black w/ gray paint mastic under FT1	ND ¹
12	Boiler room	M2 – tan mastic on fiberglass foil backing	ND ¹
13	Office area	JC1 – white joint compound	ND

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 Result confirmed by TEM analyses

* Quantified by PLM Point Counting techniques

**TABLE 1 (...continued)
BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
14	Office area	JC1 – white joint compound	ND
15	Women's restroom	JC2 – white joint compound	ND
16	Men's restroom	JC2 – white joint compound	ND
17	Boiler room	FCL1 – white fire chamber liner	ND
18	Boiler room	FCL1 – white fire chamber liner	ND
19	Roof chimney	FL1 – gray flashing sealant	1.01% chrysotile ¹
20	Roof	FL5 – black edge flashing	Trace chrysotile ¹
21	Roof	JS1 – brown aluminum fascia joint sealant	ND ¹
22	Roof	JS2 – white gutter joint sealant	ND ¹
23	Exterior outside office 1	JS4 – tan/clear sealant	ND ¹
24	Exterior garage bay 6	JS6 – brown column sealant	ND ¹
25	Exterior garage bay 12	JS7 – black column sealant	ND ¹
26	Roof	RF1 – black built-up roofing material	ND ¹
27	Roof	RF2 – gray built-up roofing felt between Styrofoam and cellulose	ND ¹
28	Roof	RF3 – gray paper under Styrofoam	ND ¹
29	Roof	RF4 – black roof cement bottom layer on deck	ND ¹
30	Bay 12	WC2 – gray exterior window caulk	1.76% anthophyllite ¹
31	Women's bathroom	CB1 – 4" black covebase	ND ¹
		Tan glue associated with CB1	ND ¹
32	Bay 12	DS1 – interior door frame sealant red	ND ¹
33	Bay 1	DS2 – exterior door frame sealant red	Trace chrysotile ¹
34	Exterior bay 17 foundation	WT1 – black weather-proofing tar	ND
35	Exterior bay 17 foundation	WT1 – black weather-proofing tar	ND ¹
36	Retaining wall	PC1 – retaining wall paint coat	60% chrysotile
37	Retaining wall	PC1 – retaining wall paint coat	NA/PS

NA/PVA Not analyzed/positive via inseparable association with a confirmed positive ACM

NA/PS Not analyzed/positive stop, homogeneous to sample proven to contain asbestos

ND<1% Non-detected, less than 1%

NAD No asbestos detected

+ Although found to be negative by analysis, material is homogeneous to a determined ACM and therefore must be considered positive

1 Result confirmed by TEM analyses

* Quantified by PLM Point Counting techniques

TABLE 2
IDENTIFIED ASBESTOS CONTAINING MATERIALS (>1%)
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT

Material	Sampled/ Assumed (mo/yr)	General Location	NESHAP Category	AHERA Category	Estimated Quantity
FL2 – grey/black chimney flashing paper	Sampled 7/01	Roof – around chimney	Category I Non-friable	Miscellaneous	12 SF
FL3 – grey patching cement	Sampled 7/01	Roof – near corners of chimney & around two roof vents	Category I Non-friable	Miscellaneous	2 SF
FL4 – black patching cement	Sampled 7/01	Roof – around chimney & roof canopy	Category I Non-friable	Miscellaneous	40 SF
JS3 – exterior column/transite panel sealant	Sampled 7/01	Front Entry exterior window panels	Category II Non-friable	Miscellaneous	100 LF
WG3 – white interior/exterior glazing compound	Sampled 7/01	Offices 1&2	Category II Non-friable	Miscellaneous	6 EA
DWG2 – wood door light glazing compound (interior/exterior)	Sampled 7/01	Exterior/Break Room Front entry	Category II Non-friable	Miscellaneous	1 EA
T1 – transite panel	Sampled 7/01	Front entry exterior window panels	Category II Non-friable	Miscellaneous	50 SF
JS5 – ext. brick to overhead door frame sealant (vertical seams above bay doors)	Sampled 7/01	Bay 1 – Bay 17 'C' side above doors	Category II Non-friable	Miscellaneous	100 LF
PP1 – Furnace sight door fire-proof pad	Sampled 7/01	Boiler Room	Category I Non-friable	Miscellaneous	1 SF
WC1 – grey exterior window frame sealant type I	Sampled 7/01	All windows	Category II Non-friable	Miscellaneous	64 EA
FD1 – corrugated fire door – white internal insulation	Sampled 7/01	Between Bays 4 & 5 and Bays 13 & 14	Friable	Miscellaneous	2 EA

AHERA Categories = thermal system insulation (TSI), surfacing material or miscellaneous
NESHAP Categories = friable, category I non-friable or category II non-friable
Friable = crumbled, pulverized or reduced to powder by hand pressure when dry
Category I Non-friable = packings, gaskets, resilient floor covering and asphalt roofing
Category II Non-friable = all non-friable that is not Category I

**TABLE 2 (...continued)
 IDENTIFIED ASBESTOS CONTAINING MATERIALS (>1%)
 OCCUM MAINTENANCE FACILITY
 OCCUM, CONNECTICUT**

Material	Sampled/ Assumed (mo/yr)	General Location	NESHAP Category	AHERA Category	Estimated Quantity
DWG3 – metal door type II/III light glazing sealant	Sampled 7/01	Bay 9 (ext), b/w Break area/Bay 8 (int), Bay 17 (ext), b/w Bay 9/10 (int)	Category II Non-friable	Miscellaneous	4 doors
BG1 – warm air furnace burner gasket	Sampled 7/01	Boiler Room	Category I Non-friable	Miscellaneous	2 SF
DWG1 – white door window glaze	Sampled 5/15	Bay 1 ext. door	Category II Non-friable	Miscellaneous	1 EA
FL1 – gray flashing sealant	Sampled 5/15	Roof chimney	Category I Non-friable	Miscellaneous	12 SF
WC2 – gray exterior window caulk type II – bottom repair	Sampled 5/15	All windows	Category II Non-friable	Miscellaneous	64 EA
PC1 – retaining wall paint coat/coating	Sampled 5/15	Retaining wall	Category I Non-friable	Miscellaneous	600 SF

AHERA Categories = thermal system insulation (TSI), surfacing material or miscellaneous
 NESHAP Categories = friable, category I non-friable or category II non-friable
 Friable = crumbled, pulverized or reduced to powder by hand pressure when dry
 Category I Non-friable = packings, gaskets, resilient floor covering and asphalt roofing
 Category II Non-friable = all non-friable that is not Category I

**TABLE 3
CONFIRMED NON-ASBESTOS CONTAINING MATERIALS (<1%)
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Material	General Location
FL5 – edge flashing (first layer/under metal)	Roof
JS1 – brown aluminum fascia joint sealant	Roof
JS2 – white silicone gutter joint sealant	Roof
JS4 – tan/clear sealant around A/C unit window	Exterior outside office 1
JS6 – brown column sealant	Bay 6/7, Bay 12, Bay 2/3, Bay 3/4, Bay 4/5
RF1 – built –up roofing material black felt paper 1 st layer	Roof
RF2 – built-up roofing material – grey felt between Styrofoam/cellulose	Roof
RF3 – built-up roofing material – grey paper under Styrofoam	Roof
RF4 – black roof cement bottom layer	Roof
Black roll roofing on top of rain cap	Bay 1, Bay 17
EJ1 – expansion joint floor sealer	Bay 1, Bay 17
BEJ1 – bituminous expansion joint	Bay 11, Bay 4
WG1 – grey int./ext. window glazing compound	All windows
RS1 – red sealant along rain cap top	Bay 1
WG2 – fixed int window glazing compound	Office 1
White with gold plastic laminate	Office
M1 – black with gray paint mastic under 12” white/grey vinyl floor tile	Office 1
FT1 – 12” white/grey vinyl floor tile & associated tan mastic	Office 1
CT1 – 2’x4’ suspended ceiling tile white fabric texture tan matrix	Office 1
SHR1/JT1/JC1 – type I gypsum ceiling board/tape/joint compound	Office 1
FM1 – grey mortar	Office 1
FCL1 – white fire chamber liner	Boiler Room
M2 – mastic on foil backing of fiberglass warm air furnace insulation	Boiler Room
RFP1 – red floor patch	Boiler Room
Black roll roofing mastic	Bay 17, Break area
FT2 – 12” grey mottled vinyl floor tile & associated mastic	Women’s Room
CB1 – 4” black cove base & associated mastic	Women’s Room
CT2 – 2’x4’ suspended ceiling tile with pinholes & worms	Women’s Room

** However, associated layers are positive.*

TABLE 3 (...continued)
CONFIRMED NON-ASBESTOS CONTAINING MATERIALS (<1%)
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT

Material	General Location
SHR2/JT/JC – gypsum wallboard/joint tape/joint compound type II	Women's Room, Office, break area, men's room
Red wall coating	Men's Room
Sink/wall sealant	Men's Room
BG2 – “Modine” unit heater burner gasket	Bay 5
DS1/2 – interior/exterior door frame sealant red	Bay 1, Bay 17, Break area, Bay 12
DI1 – “Modine” unit heater heat exchanger access door insulation	Bay 5
FLC1 – “Modine” unit heater fire chamber liner	Bay 5, Boiler room
JS8 – electrical conduit exterior wall (south) sealant	Bay 17
PW1 – fiberglass insulation pipe wrap	Boiler Room
JS7 – black column sealant	Exterior garage bay 12, 13, 16, 7, 1
WT1 – black weather-proofing tar	Exterior bay 17 foundation

** However, associated layers are positive.*

TABLE 4 SUMMARY OF LEAD PAINT XRF MEASUREMENTS OCCUM MAINTENANCE FACILITY OCCUM, CONNECTICUT					
Structure	No. of Measurements	Calibrations	Void	Lead Detected	No Lead Detected
Interior/exterior Maintenance Facility buildings	73	9	0	27	37

See Lead Paint XRF Measurement Table in Appendix I.

TABLE 5
SUMMARY OF COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT

Waste Stream	Metal	mg/L Leachate		Hazardous/Non-Hazardous
Sample #2 Maintenance Facility Bldg. Material Composite (Excluding metal substrates & concrete)	Arsenic	---		Analyte not tested
	Barium	---		Analyte not tested
	Cadmium	---		Analyte not tested
	Chromium	---		Analyte not tested
	Lead	0.082		Non-Hazardous
	Mercury	---		Analyte not tested
	Selenium	---		Analyte not tested
	Silver	---		Analyte not tested
Waste Stream	Metal	Mg/kg Direct Exposure (Residential)	Mg/L Leachate Pollutant Mobility (GA/GAA Groundwater)	Eligible for Recycling?
Sample #2 Painted concrete	Lead	ND	ND<0.013	Yes

Sample #1 was analyzed following the Toxicity Characteristic Leaching Procedure (TCLP) for the Resource Conservation Recovery Act (RCRA) Metals most likely to be present in this type of structure. The sample was a composite of wood, wallboard, brick, flooring, roofing and other building materials and was collected per CTDEEP sampling guidelines in approximate percent by weight proportions to represent the building as a whole. The sample did not include any metal components, as metal items should be recycled to promote waste minimization efforts, rather than disposed of, and the recycling operation is exempt from the USEPA RCRA and CTDEEP Hazardous Waste regulations. In most instances, the sample will not include foundation materials (concrete/stone/etc.), as these materials are used as clean fill during the demolition process and are therefore not part of the waste disposal stream.

Sample #2 was analyzed for lead following the Synthetic Precipitation Leaching Procedure (SPLP) and Total Metal Procedures for comparison to the CTDEEP Remediation Standard Regulations (RSR's). This sample was collected in an effort to determine if the materials met the CTDEEP definition of "clean fill" and therefore determine the recyclability of the concrete to promote waste minimization efforts.

See Appendix J for results.

BDL - Below Detection Limit

ND - Not Detected

**TABLE 6
INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED
MATERIALS, WASTES AND ITEMS IDENTIFIED
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Quantity	Size	Material/Item	General Location	Potential Hazard
Twenty eight (28)		High pressure sodium light bulbs	Interior ceiling of garage bays	UW – Hg lamps
Four (4)		Below grade floor drain catch basin/trench	In concrete floor in garage bays	CRW – oil/sludge
Eleven (11)		Emergency lights	Interior garage bays/boiler room	UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)
Three (3)		Mercury thermostats	Interior	UW – Hg ampoule
One (1)		Electric thermostat	Interior	UW – used electronics (printed circuit boards)
Six (6)		Fire alarms	Interior garage bays	UW – Hg switch UW – used electronics (printed circuit boards)
Sixteen (16)		4' fluorescent bulbs	Interior	UW – Hg lamps
Seventeen (17)		8' fluorescent bulbs	Interior	UW – Hg lamps
Five (5)		2' fluorescent bulbs	Interior	UW – Hg lamps
Twenty one (21)		Ballasts	Interior	CRW – PCB ballasts
Four (4)		Electronic circuit boards	Interior – office & garage bay #10	UW – used electronics (printed circuit boards)
Eight (8)		Light bulbs	Exterior building	UW – Hg lamps
Two (2)		Diesel pumps	Exterior building	CRW – Diesel UW – used electronics (printed circuit boards)
Four (4)		Light bulbs	Exterior street overhead/parking lights	UW – Hg lamps
One (1)		Electric meter	Exterior	UW – used electronics (printed circuit boards)

CRW- Connecticut Regulated Waste – PCBs (CR01), Oils (CR02/CR03), waste chemical liquids - antifreeze, latex & solvent paints, sludges, etc. (CR04), waste chemical solids (CR05)

UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)

IH- Inhalation hazard (silicas, etc.)

I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140°F) (D001)

C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)

T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation

R- Reactive – may contain ingredients which are unstable, react violently with water or are explosive (D003)

**TABLE 6 (...continued)
INVENTORY OF ADDITIONAL HAZARDOUS/REGULATED
MATERIALS, WASTES AND ITEMS IDENTIFIED
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Quantity	Size	Material/Item	General Location	Potential Hazard
One (1)		Septic tank	Exterior D	Septage waste
One (1)		Gross particle separator	Exterior C	CRW – oil/sludge
One (1)		Oil water separator	Exterior A/B	CRW – oil/sludge
One (1)		CaCl AST	Exterior C by salt shed	CRW – waste chemical liquid
One (1)		AC unit	Office	CFCs
One (1)	4000 gal	Diesel UST	Exterior C	CRW – diesel/sludge
One (1)	4000 gal	Fuel Oil UST	Exterior A	CRW – oil/sludge

- CRW- Connecticut Regulated Waste – PCBs (CR01), Oils (CR02/CR03), waste chemical liquids - antifreeze, latex & solvent paints, sludges, etc. (CR04), waste chemical solids (CR05)
- UW- Universal Waste (batteries, thermostat ampoules, fluorescent lamps, used electronics)
- IH- Inhalation hazard (silicas, etc.)
- I- Ignitable - may contain ingredients which are ignitable (materials which have a flashpoint <140°F) (D001)
- C- Corrosive - may contain ingredients which are alkaline or acidic (materials with a PH<2 or >12.5) (D002)
- T- Toxic - may contain ingredients which are harmful if swallowed or which release vapors that can cause irritation
- R- Reactive – may contain ingredients which are unstable, react violently with water or are explosive (D003)

**TABLE 7
BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING CAULK MATERIALS
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

Sample No.	Homogenous Material Type		Sample Location	Total PCB (ppm)	EPA/CTDEEP Regulated
1	FL1*	Gray flashing sealant	Roof chimney	ND<0.8	Not Regulated
2				ND<0.81	
3				ND<0.76	
4	JS1	Brown aluminum fascia joint sealant	Roof	ND<6	Not Regulated
5				ND<8.5	
6				ND<3.1	
40616				ND<0.72	
7	JS2	White gutter joint sealant	Roof gutter	ND<0.82	Not Regulated
8				ND<0.76	
9				ND<0.78	
10	JS3*	Exterior gray column sealant	Front entry exterior	ND<0.82	Not Regulated
11				ND<0.74	
12				ND<0.77	
13	JS4	Tan/clear sealant	Exterior office A/C unit	ND<0.78	Not Regulated
14				ND<0.75	
15				ND<0.8	
16	JS5*	Brick to overhead door frame sealant	Exterior Bay 2	ND<0.83	Not Regulated
17			Exterior Bay 4	ND<0.82	
18			Exterior Bay 7	ND<0.73	
19	JS6	Brown column sealant	Exterior Bay 6	ND<0.83	Not Regulated
20			Exterior Bay 4	ND<0.79	
21			Exterior Bay 2	ND<0.79	
22	JS7	Black column sealant	Exterior Bay 1	ND<0.8	Not Regulated
23			Exterior Bay 8	ND<0.8	
24			Exterior Bay 14	ND<0.74	
25	WG1	Gray int/ext window glazing compound	Bay 4	ND<0.82	Not Regulated
26			Bay 1	ND<0.81	
27			Bay 2	ND<0.71	
28	WG2+	Gray fixed window glazing compound	Office 1	ND<0.82	Not Regulated
29	WG3*	Gray/white int/ext glazing compound	Office 1	ND<0.84	Not Regulated
30			Office 1	ND<0.32	
31			Office 2	ND<0.82	
32	DWG1**	Door window glaze white	Bay 1	ND<0.32	Not Regulated
33	DWG2**	Tan int/ext door window glaze	Front entry	ND<0.72	Not Regulated

**TABLE 9
BUILDING SUBSTRATE SAMPLE ANALYTICAL RESULTS
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT**

ID No. Sample ID	Porous Substrate Description	Associated PCB Caulk/Glaze	Date Collected	Total PCBs (PPM)	Substrate Classification
Porous Substrate Samples Adjacent to CTDEEP Caulks					
No porous substrate sampling necessary, no CTDEEP PCB Caulking identified.					
Porous Substrate Samples Adjacent to EPA Caulks					
No porous substrate sampling necessary, no CTDEEP PCB Caulking identified.					

ND – None Detected

TABLE 10
SOIL/SURFACE COVER SAMPLE ANALYTICAL RESULTS
OCCUM MAINTENANCE FACILITY
OCCUM, CONNECTICUT

Sample ID	Soil/Surface Cover Material	Sample Location	Date Collected	Total PCBs (PPM)	Material Classification
No soil/surface cover sampling necessary, no CTDEEP/EPA Caulking identified.					

ND – None Detected

**TABLE 11
 IDENTIFIED PCB IMPACTED SUBSTRATES AND SOIL/SURFACE COVER
 OCCUM MAINTENANCE FACILITY
 OCCUM, CONNECTICUT**

Material	Associated caulks or glazes	Sample Date (mo/yr)	General Location of Substrate/Soil Impact	Estimated Quantity - Impact	CTDEEP or EPA Regulated
	EPA/ CTDEEP				
PCB IMPACTED MATERIALS – SOIL/GROUND COVER (>1.0 ppm)					
No PCB impacted soil/surface cover identified, no CTDEEP/EPA caulk identified.					
PCB IMPACTED MATERIALS – SUBSTRATES (>1.0 ppm)					
No PCB impacted substrates identified, no CTDEEP/EPA caulk identified.					

APPENDIX A

SITE PHOTOS WITH DOT ASSIGNMENT AND MAP

PHOTO 1
Exterior windows on
A side of building.

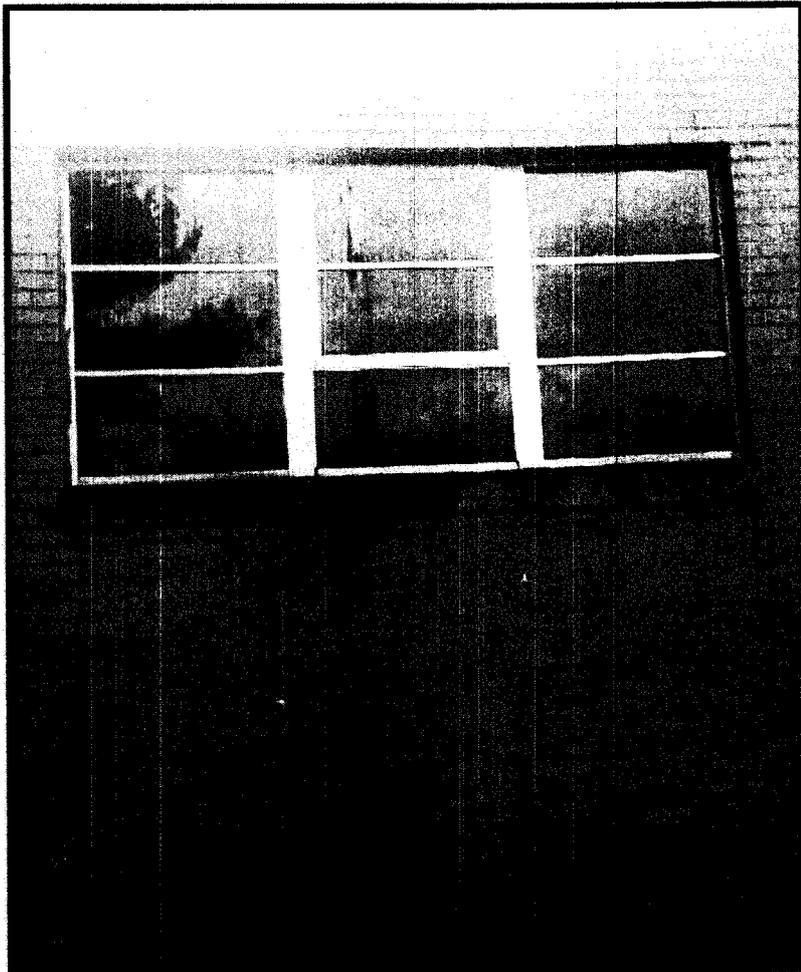
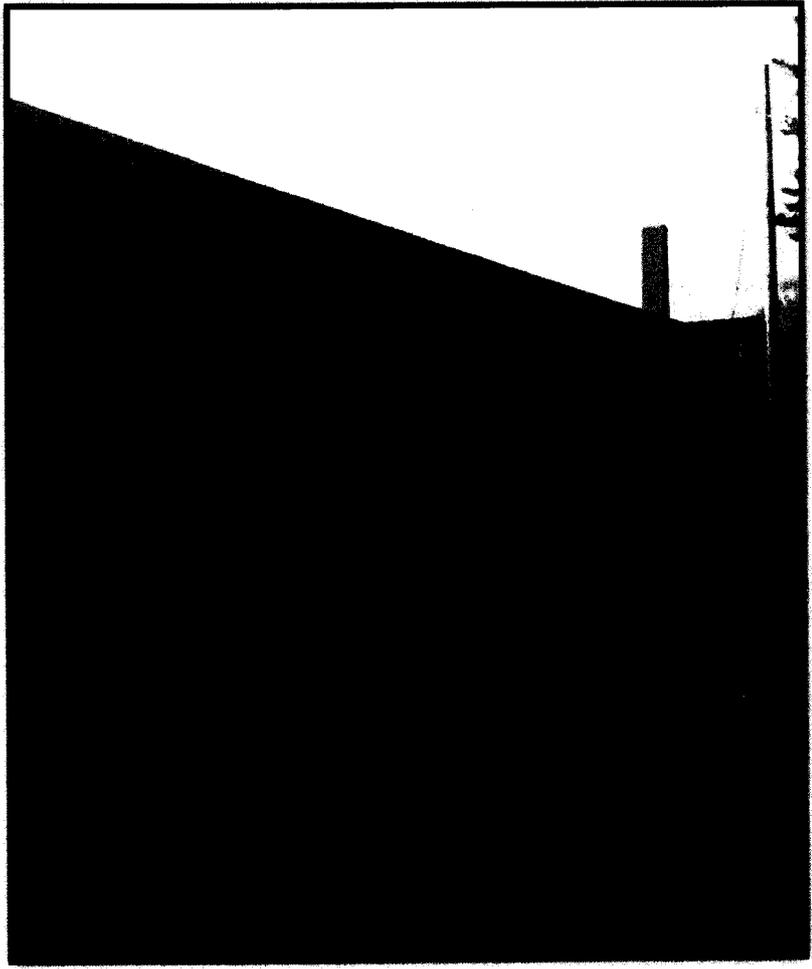


PHOTO 2
Exterior window
including glazing
and caulk on A side
of building

OCCUM MAINTENANCE FACILITY, OCCUM, CT

PHOTO 3
Exterior B side of
building showing
entrance door and
windows.

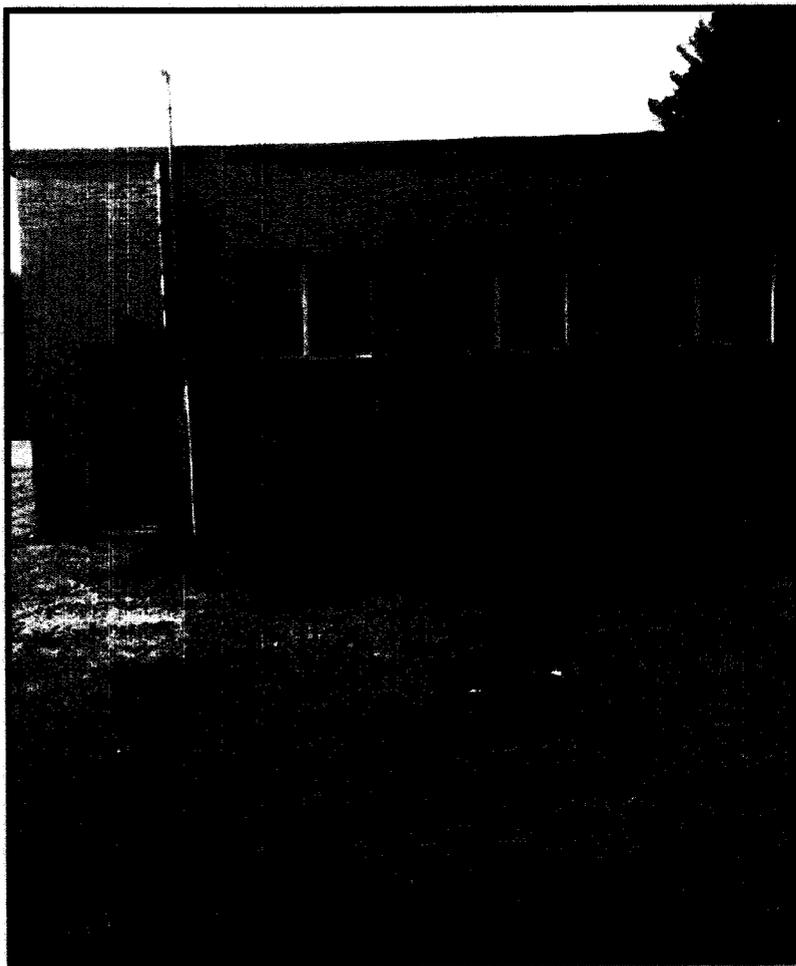


PHOTO 4
Exterior black
damproofing on
foundation at B side
of building.

OCCUM MAINTENANCE FACILITY, OCCUM, CT

PHOTO 5
Exterior C side of
building showing
garage bays and
doors.

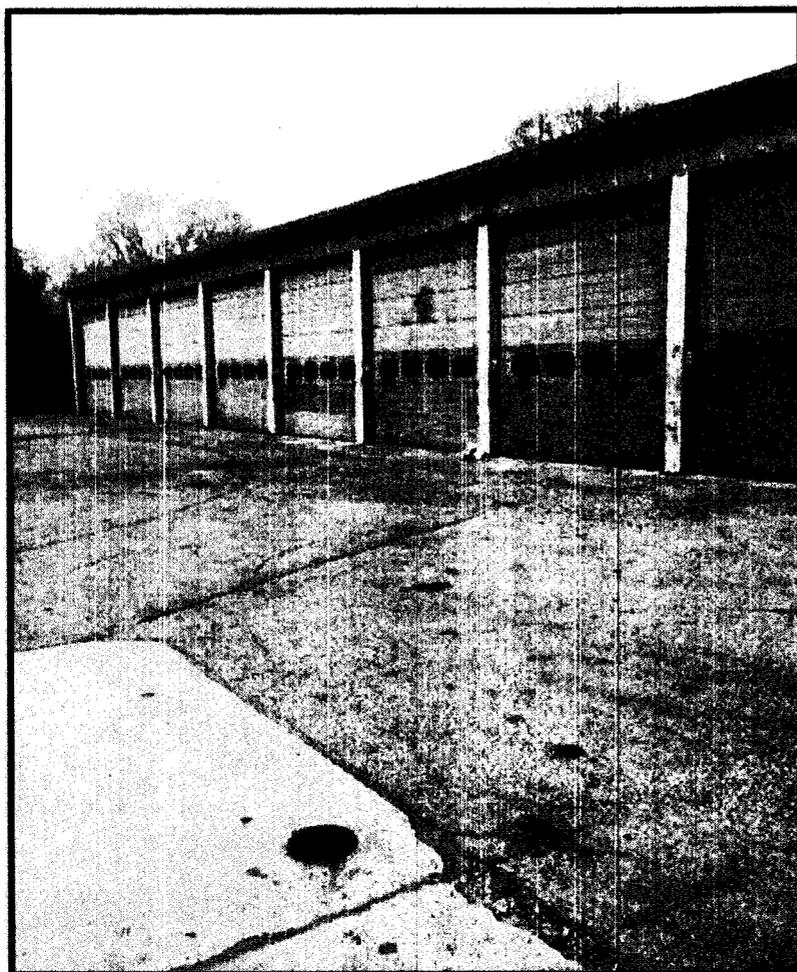
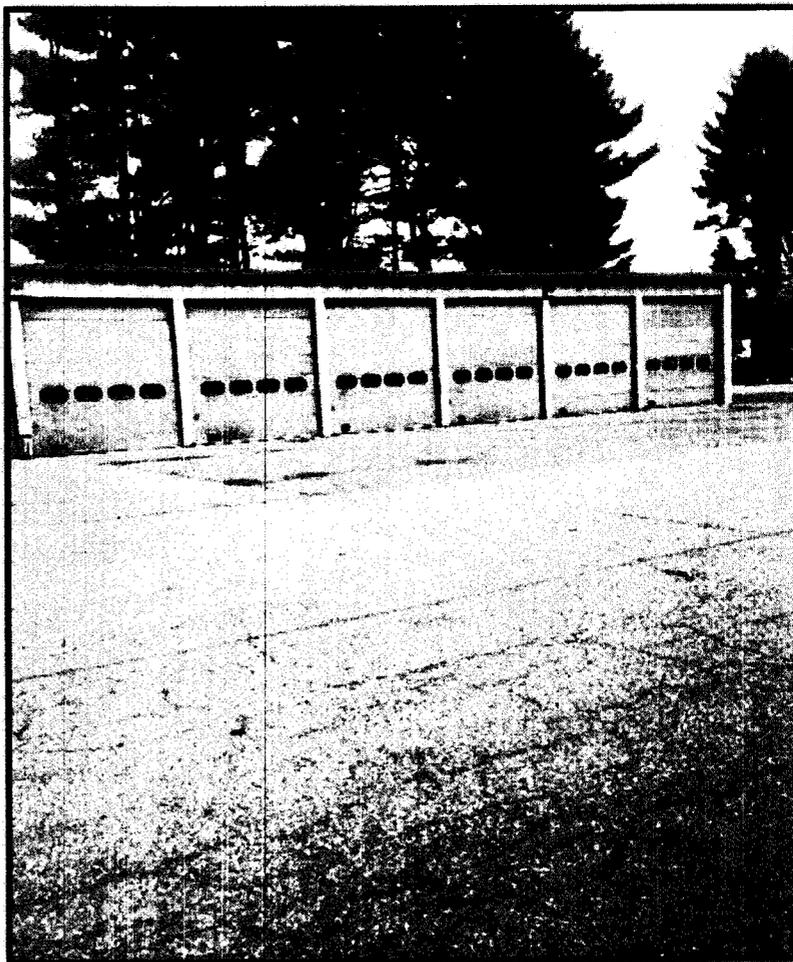


PHOTO 6
Garage bays and
doors with vertical
columns separating
them on exterior C
side of building.

OCCUM MAINTENANCE FACILITY, OCCUM, CT

PHOTO 7
Exterior C side of building showing main entrance door, windows, and transite panels underneath windows.

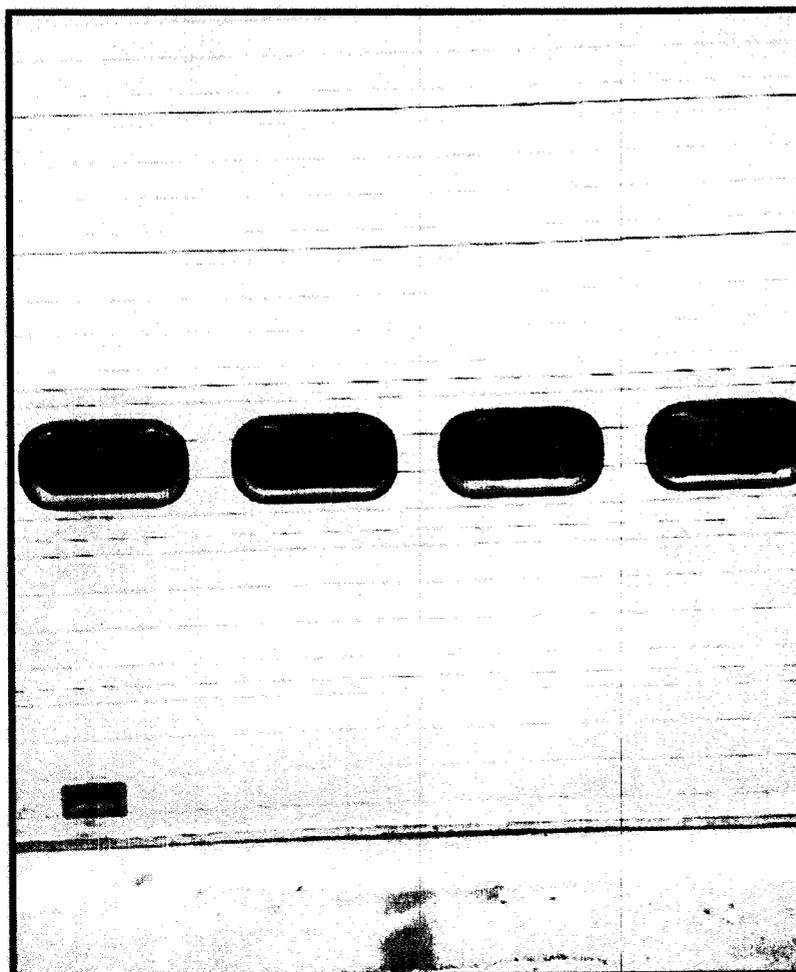
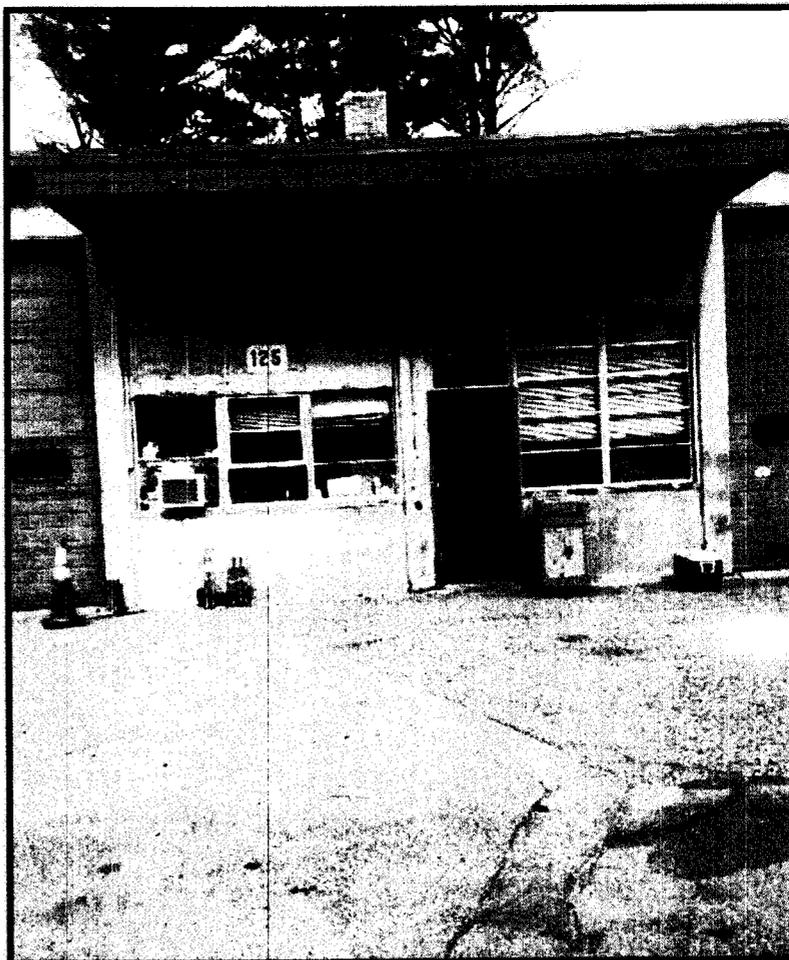


PHOTO 8
Exterior C side of building showing garage door including four windows with black rubber around windows.

OCCUM MAINTENANCE FACILITY, OCCUM, CT

PHOTO 9
Exterior C side of
building showing gas
pumps and garage
door bays.

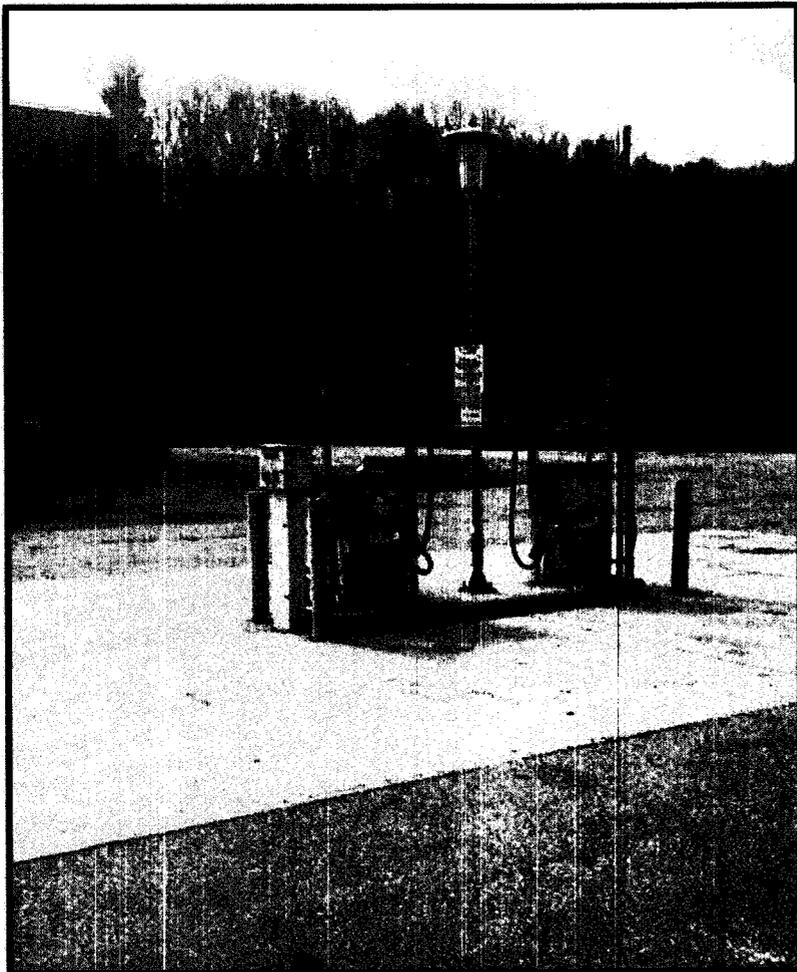
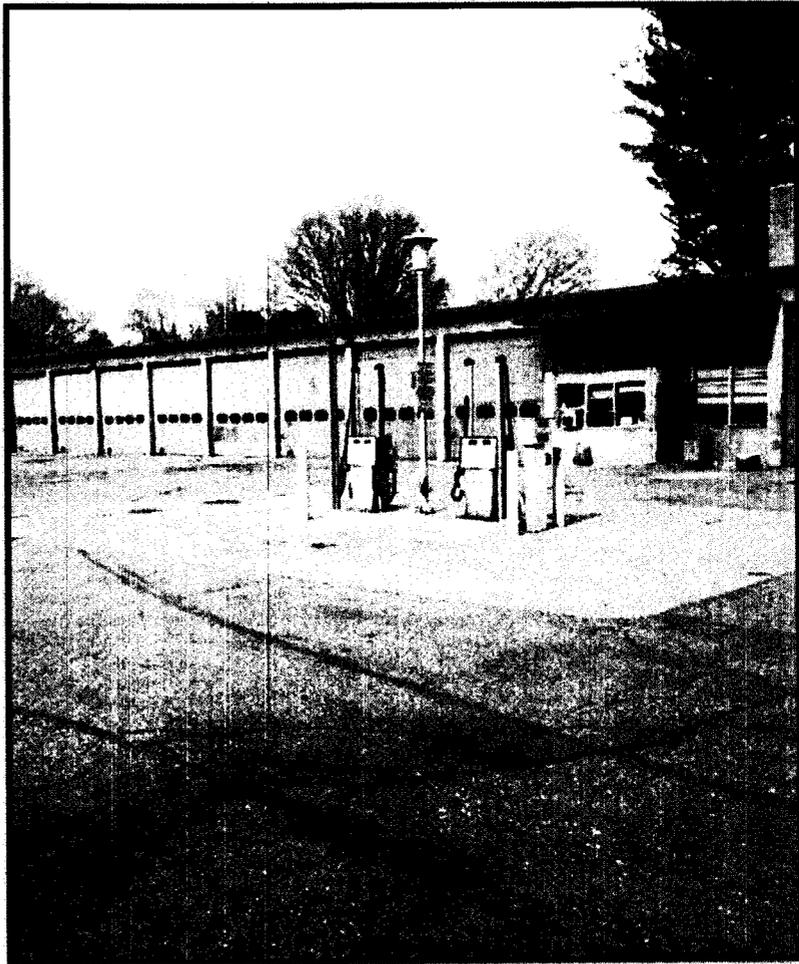


PHOTO 10
Exterior C side of
building showing gas
pumps and salt shed
in background.

OCCUM MAINTENANCE FACILITY, OCCUM, CT

PHOTO 11
Interior of garage
bay showing
concrete floor,
concrete block wall,
and garage door.

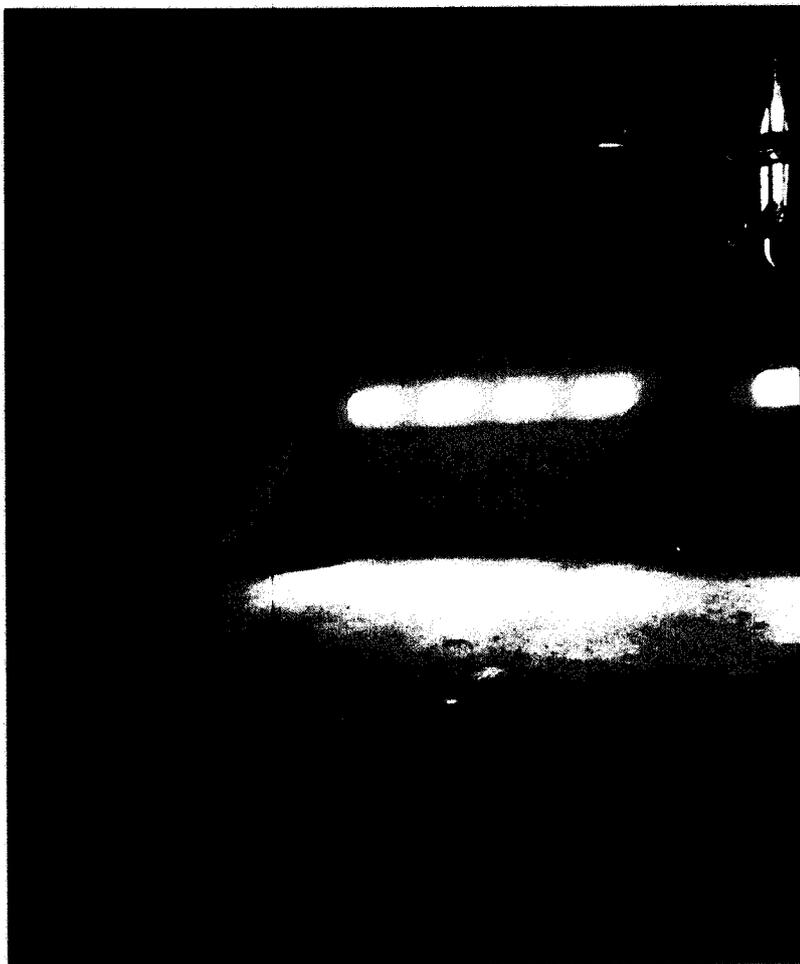


PHOTO 12
Exterior C side of
building showing
garage door break
room showing
interior of garage
door.

OCCUM MAINTENANCE FACILITY, OCCUM, CT

PHOTO 13
Interior fire door
that separates two
garage bays.



PHOTO 14
Interior door including
window and glazing
going from office area
to garage bay.

OCCUM MAINTENANCE FACILITY, OCCUM, CT

PHOTO 15
12 in X 12 in floor
tile in women's
bathroom.



OCCUM MAINTENANCE FACILITY, OCCUM, CT

APPENDIX B
SITE SKETCHES



SUBJECT *DST-OCUW Mount. Facility*

SHEET NO. 2 OF _____

PROJECT NO. 183572 2084 05710

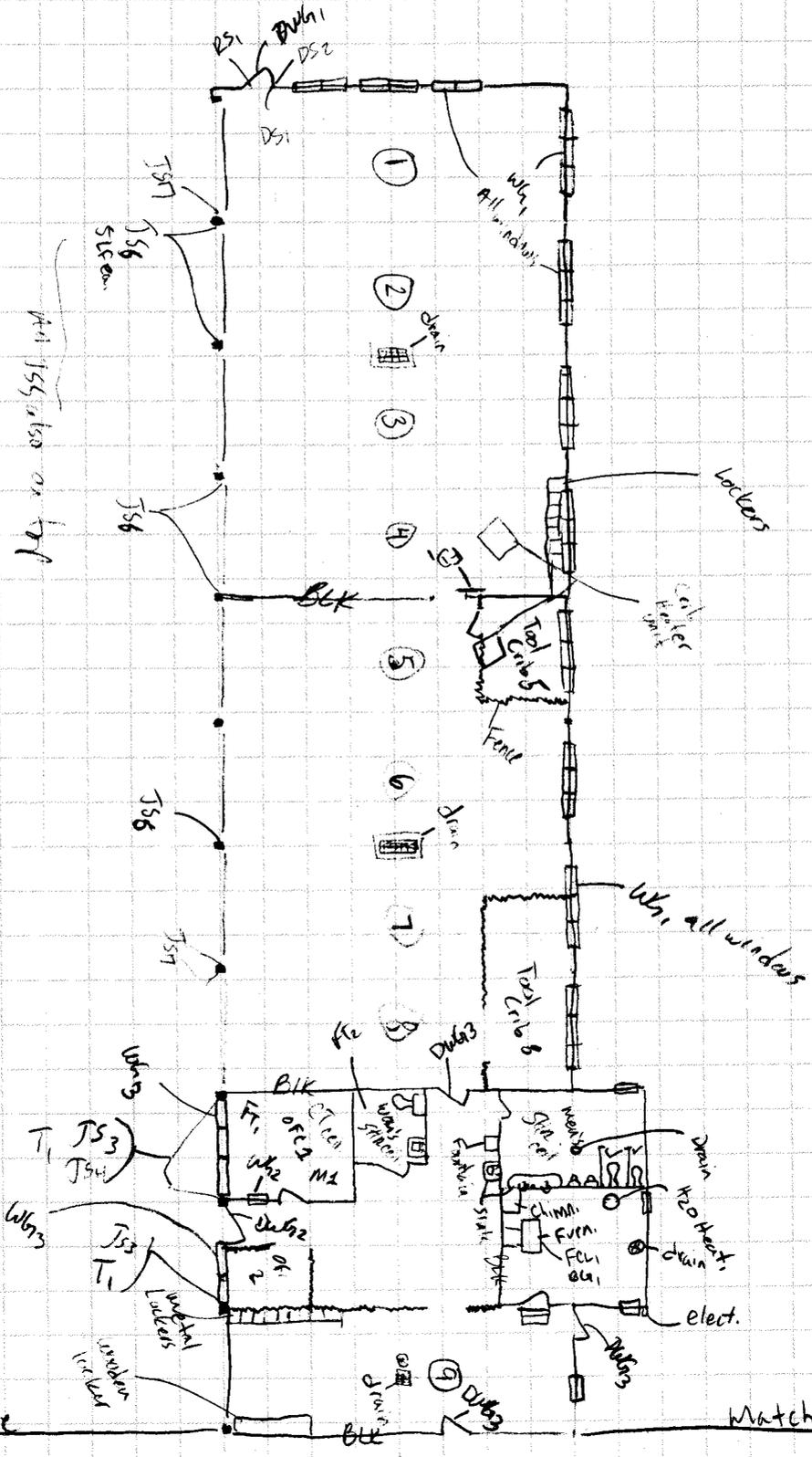
DATE 4/23/85

BY H1 + D11

CHK'D _____

515 255F
 SLE
 L=265'
 W=40
 h=20'

Main Floor - North



Match Line

Match Line



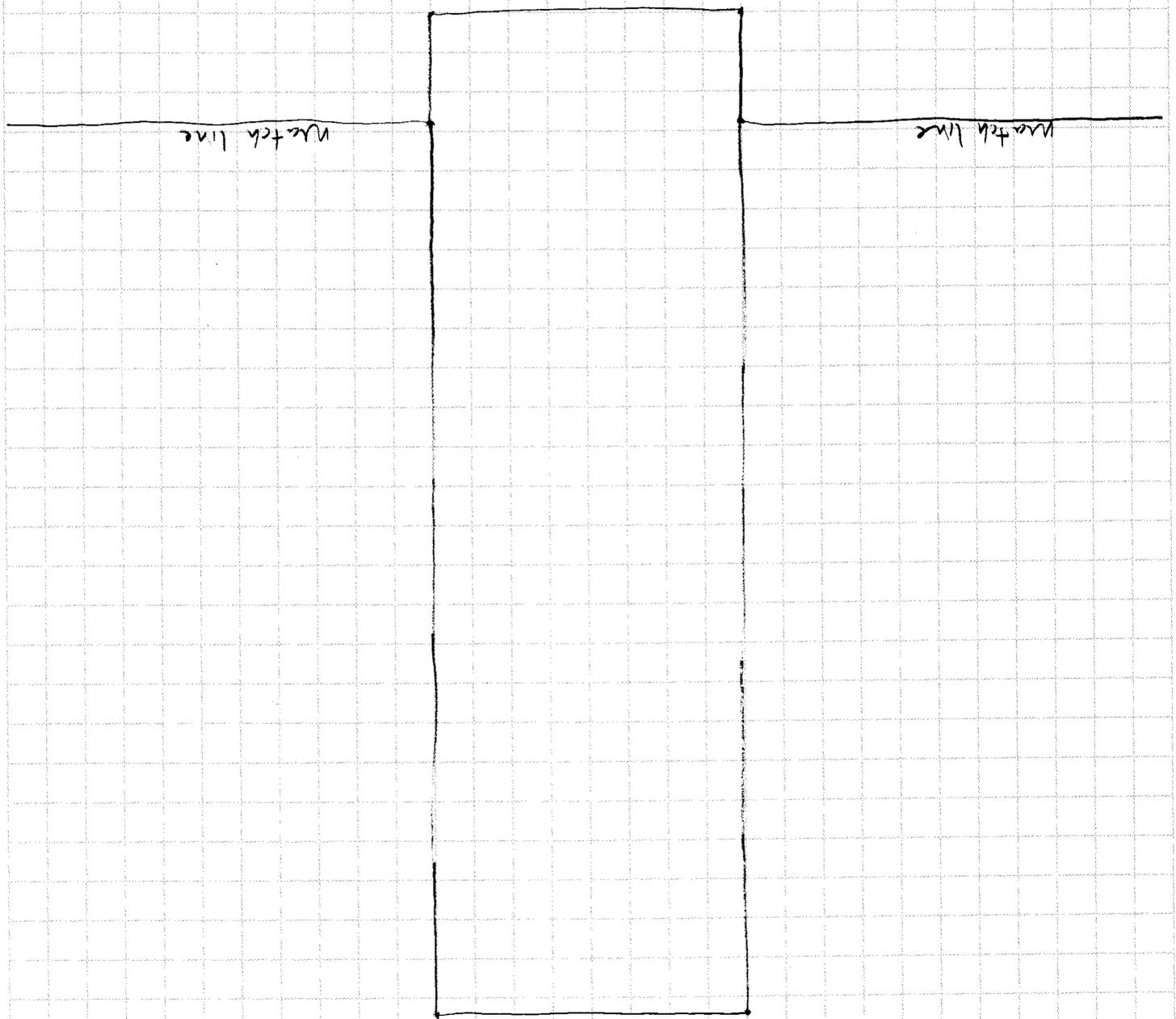
SUBJECT DOT - OCCUM Maint. Facility
125 Taftville Occum Rd. Norwich, CT

SHEET NO. 5 OF _____
PROJECT NO. 183572.5084.005710
DATE 4/29/15
BY H H 1DH
CHK'D _____

SLF 258F
SLF



Roof - South





SUBJECT DOT-Occom Maint. Facility
125 Taftville Occum Rd, Norwich, CT

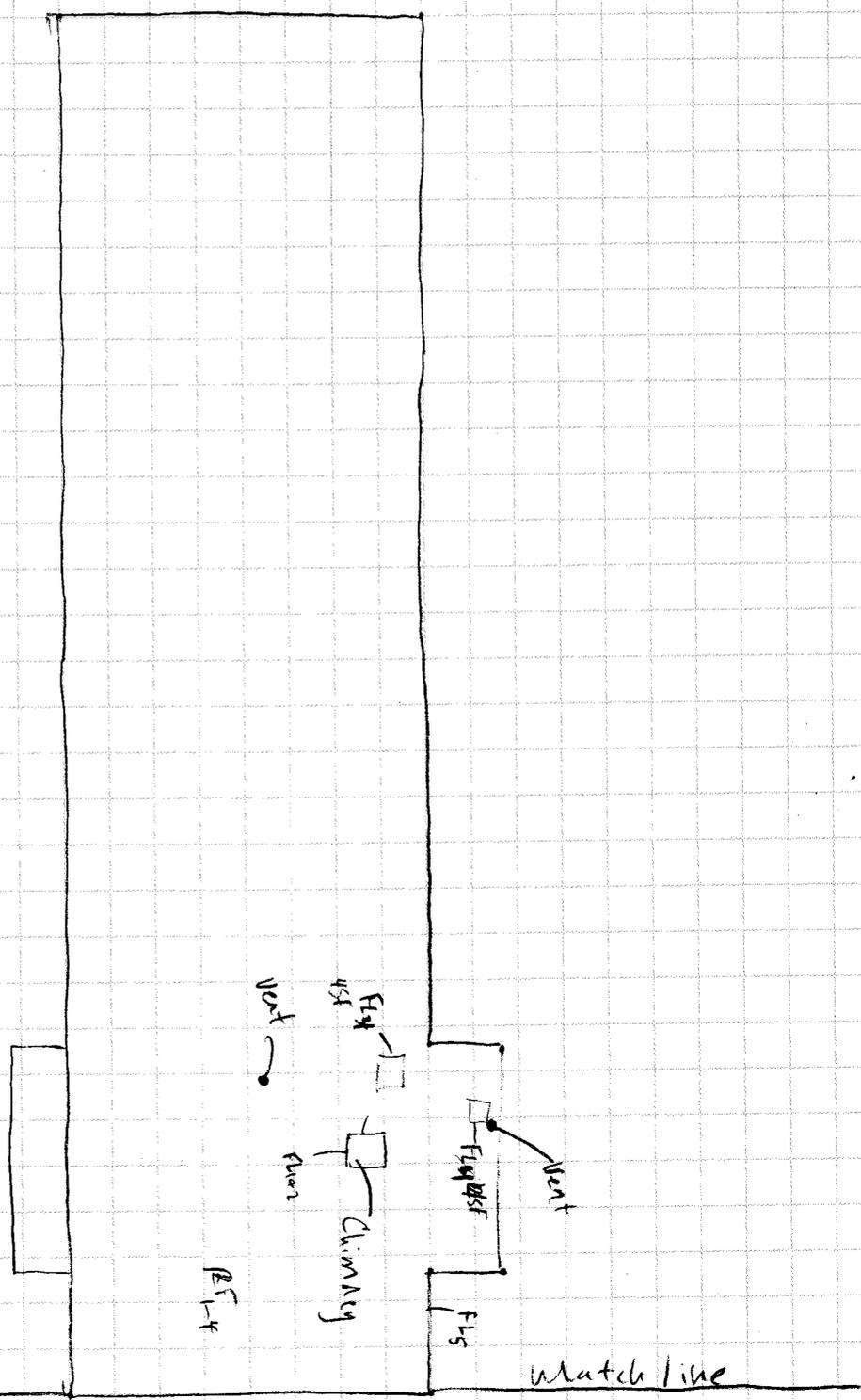
SHEET NO. 4 OF _____
PROJECT NO. 183572, 5084, 10710
DATE 4/29/15
BY H11 + DH
CHK'D _____

5LF 25F
5LF



Roof - North

265' x 45' x 20'



Match Line

Match Line

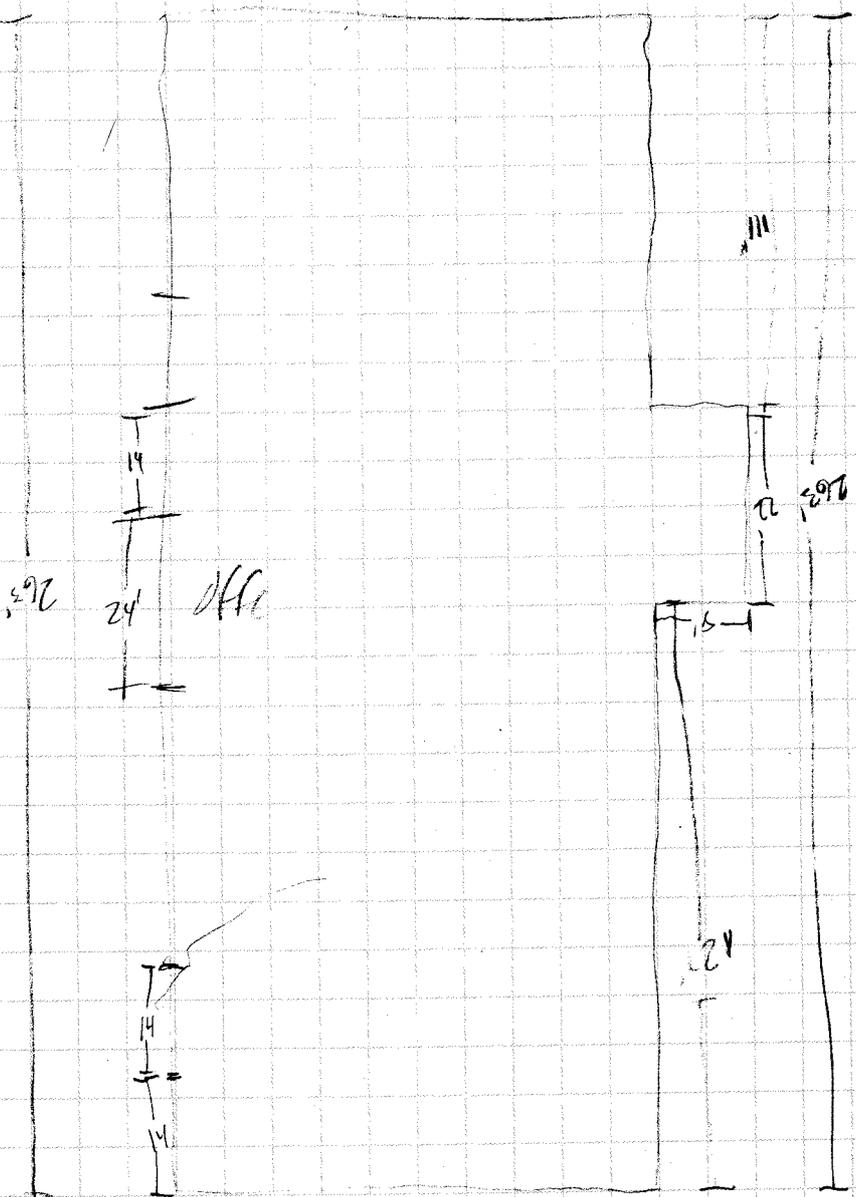
A

Caulks + glazes only PIB

exterior " interior
what touching

what under

1/4"



$\frac{2763}{127}$
 $\frac{2155}{4}$
 $\frac{2163}{4}$
 $\frac{12}{5}$
 $\frac{4315}{5}$
 $\frac{13}{13}$

SHEET NO. _____ OF _____
 PROJECT NO. _____
 DATE _____
 BY _____
 CHK'D _____

SUBJECT



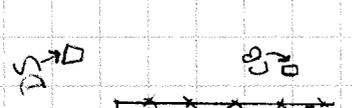
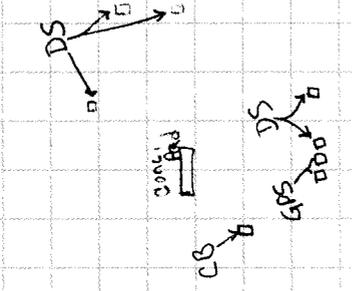
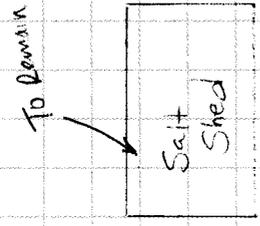
Decum Maintenance Facility

Removal Items

- MF - Maintenance Fac, Conc. Foundation & Piping
- CB - Catch Basin & Piping
- DS - Drainage Structures
- GPS - Gross Particle Separator
- PDC - Panel Entry, Components & Control Box
- LPF - Light Pole & Fixture
- OWS - Oil Water Separator, Concrete Slab, Manhole Frames & Covers
- EW - End Wall
- MW - Monitoring Well (14)
- OUST - 4K Gal. Fuel Oil Underground Storage tank, Concrete Slab, Manhole Frames & covers + 4K DIESEL UST
- ST - Septic Tank & Piping
- FI - Fuel Island, dispensers, Product piping, Vent Pises, Light Pole, Fixtures & Bollards. Remove & Salvage Fuel Mgmt Unit

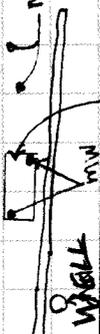
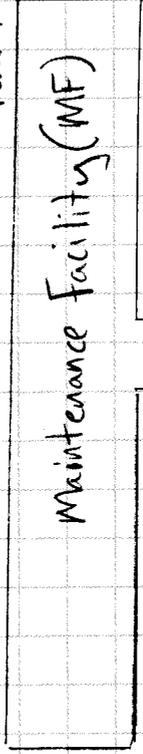
FZ →

CB ↓



OUST ↓

Fenced Area



OUST

MW

MW

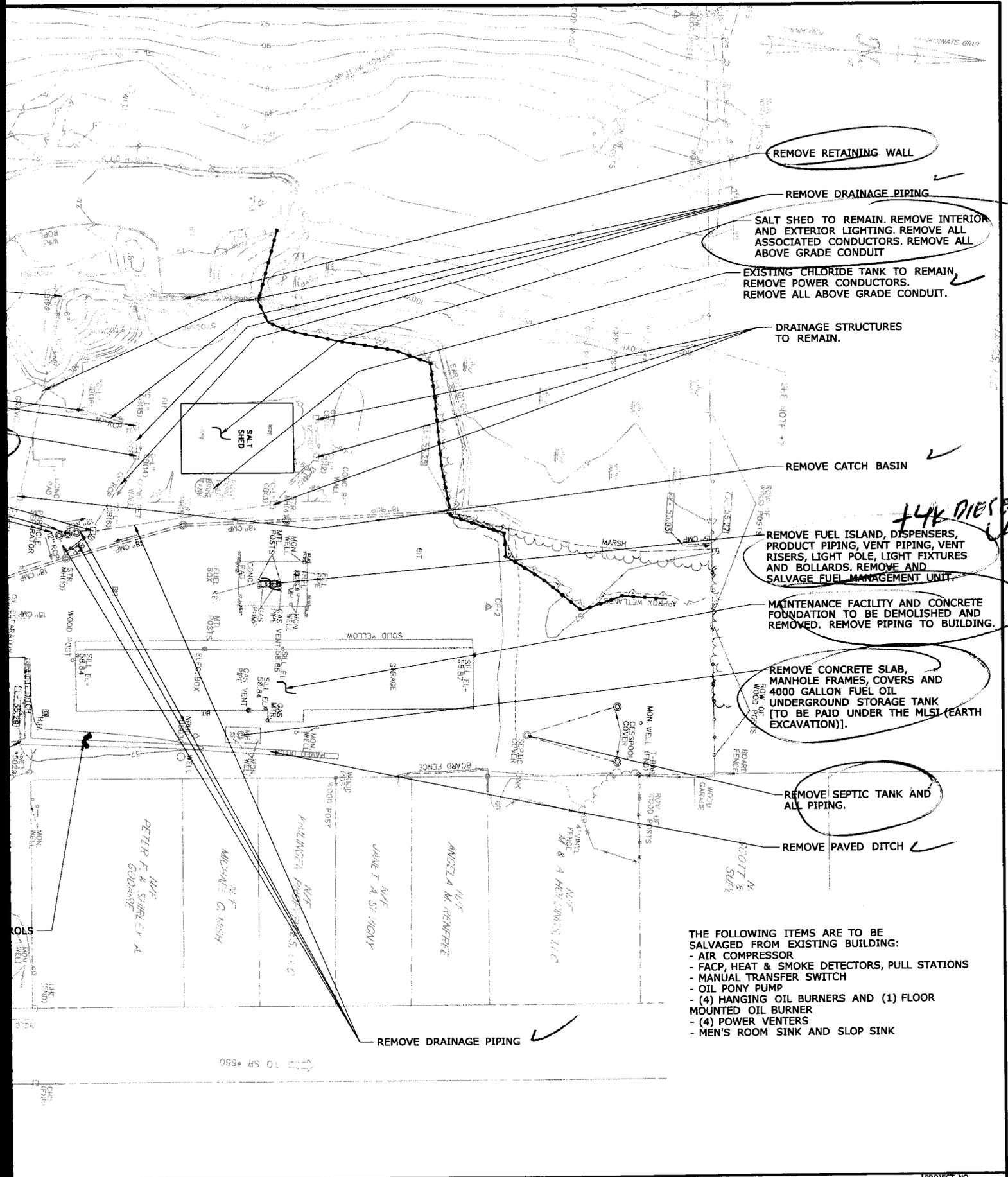
MW

SUBJECT

Residential Properties

SHEET NO. _____ OF _____
 PROJECT NO. 125312-5084-00740
 DATE 6/1/15
 BY JH
 CHK'D _____





REMOVE RETAINING WALL

REMOVE DRAINAGE PIPING

SALT SHED TO REMAIN. REMOVE INTERIOR AND EXTERIOR LIGHTING. REMOVE ALL ASSOCIATED CONDUCTORS. REMOVE ALL ABOVE GRADE CONDUIT

EXISTING CHLORIDE TANK TO REMAIN. REMOVE POWER CONDUCTORS. REMOVE ALL ABOVE GRADE CONDUIT.

DRAINAGE STRUCTURES TO REMAIN.

REMOVE CATCH BASIN

REMOVE FUEL ISLAND, DISPENSERS, PRODUCT PIPING, VENT PIPING, VENT RISERS, LIGHT POLE, LIGHT FIXTURES AND BOLLARDS. REMOVE AND SALVAGE FUEL MANAGEMENT UNIT.

44K DIESEL LIST

MAINTENANCE FACILITY AND CONCRETE FOUNDATION TO BE DEMOLISHED AND REMOVED. REMOVE PIPING TO BUILDING.

REMOVE CONCRETE SLAB, MANHOLE FRAMES, COVERS AND 4000 GALLON FUEL OIL UNDERGROUND STORAGE TANK [TO BE PAID UNDER THE MLSI (EARTH EXCAVATION)].

REMOVE SEPTIC TANK AND ALL PIPING.

REMOVE PAVED DITCH

REMOVE DRAINAGE PIPING

- THE FOLLOWING ITEMS ARE TO BE SALVAGED FROM EXISTING BUILDING:
- AIR COMPRESSOR
 - FACP, HEAT & SMOKE DETECTORS, PULL STATIONS
 - MANUAL TRANSFER SWITCH
 - OIL PONY PUMP
 - (4) HANGING OIL BURNERS AND (1) FLOOR MOUNTED OIL BURNER
 - (4) POWER VENTERS
 - MEN'S ROOM SINK AND SLOP SINK

 SIGNATURE/BLOCK: OFFICE OF ENGINEERING	PROJECT TITLE:	TOWN:	PROJECT NO.:
	APPROVED BY:	OCCUM MAINTENANCE FACILITY	OCCUM
		DRAWING TITLE:	DRAWING NO.:
		DEMOLITION	C-002
			SHEET NO.:

BLDG # 81175

SHEET NO. 1 OF

PROJECT NO. 183572.5084.00710

DATE 4/28/15

BY HH + JH

CHK'D



SUBJECT DOT-Occum Maint. Facility
125 Taftville Occum Rd., Norwich, CT

✓ Maintenance facility

✓ fuel island

✓ UST (2)

✓ Light Poles/Fixtures

✓ Septic tank

✓ Metal bin retaining wall
SF onewall

✓ Irons in prints

✓ Salt shed to remain

✓ Red door caulk

✓ Floor Membranes catch basins

✓ monitoring wells

✓ caulk Black @ bay doors

✓ catch basins

✓ PCB Caulks & Glaze (Int/Ext)

✓ Brass tag (unknown could not find gentleman called 4/29)

✓ TCLP/SPLP

✓ Photos

- ✓ 01 ET₁ - expansion joint floor hard shiny
- ✓ 02 ET₂ - bituminous expansion joint
- ✓ 03, 04 Wh₁ - ^{white} grey interior ^{Exterior} windows glazing compound
- ✓ 06 RS₁ - Red sealant along rain cap top 3LF
- ✓ 07, 08 DW₁ - door window glaze white [15" x 15"]
- ✓ 09 Wh₂ - grey fixed window glazing compound 1.5 x 1.5 pane
- ✓ 10 F₁ - white/grey streaks floor tile + tan caulk
- ✓ 11 M₁ - black w/grey paint window under F₁
- ✓ 13, 14 JG₁ - white joint compound
- ✓ 17, 18 FCL₁ - white fire chamber liner ~ 8SF
- ✓ 12 M₂ - tan mastic on foil backing fiberglass
- ✓ 19 FL₁ - grey flashing sealant ~ 12LF
- ✓ 18 X FL₂ - grey chimney flashing paper ~ 12LF
- ✓ 18 X FL₃ - green patching cement ~ 2SF
- ✓ 18 X FL₄ - blue patching cement ~ 2SF
- ✓ 20 FL₅ - black patching edge flashing
- ✓ 21 JS₁ - brown All Facies joint sealant
- ✓ 22 JS₂ - white gutter joint sealant → Silicone
- ✓ 23 RF₁ - built up roofing material
- ✓ 27 RF₂ - built up roofing grey felt between stars/panels
- ✓ 28 RF₃ - grey paper under tarp



SUBJECT DOT OCCUP. Maint. Facility

ACM

- ✓ 25 RF4 - Black roof cement bottom layer
- (H) < JS3 - exterior column sealant grey 92LF
- ✓ 23 JS4 - Tan clear sealant @ A/C ^{at window}
- (H) x WG3 - grey/white int/ext glazing compound
- (H) xx BW62 - tan door window glaze 2'x2" 3pane
- (H) X T1 - transite ext wall panel - 50SF
- (H) X JS5 - brick to overhead door frame sealant (white) 5LF each line
- (N) 24 CT1 - ^{brown column sealant} 4x2 suspended ceiling tile w/ white fabric texture tan matrix (Fiberboard)
- (N) xx SHR1 - grey sheed rock
- (P) x x TC1 - white joint compound
- (N) x FM1 - grey floor mortar
- (H) x FPH1 - fixture sight door fire proof mat
- (N) x RFP1 - Red floor patch
- (H) x WG1 - gray exterior windows frame sealant type I w/ tile
- ✓ 30 WG2 - gray exterior window caulk
- (H) x FD1 - Corrugated fire door insulation white
- (H) x DW63 - metal door type II light glazing sealant
- ✓ 10 FT2 - 12x12 gray mottled vinyl floor tile + tan mastic
- ✓ 3 CB1 - 4" black casabase + mastic
- (N) CT2 - 4x2 suspended ceiling tile w/ pinholes & ~~curves~~
- (N) SHR2 - gray sheed rock type II
- ✓ 15,16 TC2 - off white joint compound type II (paint comd)
- (H) x BG1 - ^{burner air furnace} burner gasket
- (N) x BG2 - modine unit heater burner gasket
- ✓ 32 DS1 - interior door frame sealant red
- ✓ 33 DS2 - exterior door frame sealant red
- (N) DI1 - modine unit heater heat exchanger access door insulation
- (N) FCH1 - Modine unit heater fire chamber red
- ✓ 25 JS7 - Black column sealant
- (N) x PW1 - fiberglass insulation pipe wrap
- (M) JS8 - electrical conduit exterior sealant & not present
- ✓ 34, 35 WT1 - weather proofing foundation Tar
- ✓ 36, 37 Pa - retaining wall paint coat



SUBJECT Dot Ocean Minit Facility

SHEET NO. _____ OF _____

PROJECT NO. _____

DATE 4/30/13

BY HH + DII

CHK'D _____

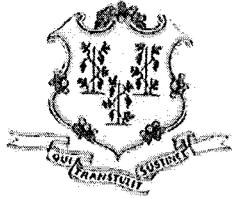
PCB

- (VV) ^{1,2,3} FL1 - gray flashing sealant
- (VV) ^{4,5,6} JS1 - brown Aluminum fascia Joint sealant
- (VV) ^{7,8} JS2 - white gutter joint sealant
- (VV) ^{9,10,11} JS3 - exterior column sealant grey
- (VV) ^{12,13,14} Wb3 - grey/whit int/ext glazing compound
- (V) Dux2 - tan door window glaze
- (VV) ¹⁵ JS4 - tan clear sealant @ AK unit window
- (VV) ^{16,17} JS5 - brick to overhead door frame sealant white
- (VV) Wb1 - gray int/ext window glazing compound
- (V) Dux1 - door window glaze white
- (V) Wb2 - grey fixed window glazing compo
- (VV) Wf1 - grey exterior window frame sealant type I
- (VV) Wf2 - grey exterior window frame sealant type II
- (V) DWG3 - metal door type II light glazing sealant
- (VV) JS6 ~~black~~ brown column sealant
- (VV) JS7 black column sealant
- (VV) JS1 - Interior Door Frame Sealant, Red
- (VV) JS2 - Exterior Door Frame Sealant, Red

Int/EXT	Top/Left	Bottom/Right
EXT	BRK	mtl
EXT	mtl	mtl
EXT	mtl	mtl
EXT	mtl/trans	mtl/trans
INT/EXT	gls/mtl	gls/mtl
INT/EXT	gls/mtl	gls/mtl
INT/EXT	gls/mtl	wd/mtl
EXT	mtl/conc	mtl/mtl
INT/EXT	mtl/gls	mtl/gls
INT/EXT	mtl/gls	mtl/gls
INT	mtl/gls	mtl/gls
EXT	mtl/BRK mtl/mtl	conc/brick mtl/BRK
EXT	mtl/	conc/
INT	mtl	glass
EXT	metal	metal

APPENDIX C

**CONNECTICUT STATE HISTORICAL
PRESERVATION OFFICE SITE REVIEW**



STATE OF CONNECTICUT

DEPARTMENT OF TRANSPORTATION

2800 BERLIN TURNPIKE, P.O. BOX 317546
NEWINGTON, CONNECTICUT 06131-7546



Transmittal:

From: Mandy Ranslow, Transportation Planner
Date: August 25, 2014
Through: Mark W. Alexander, Transportation Assistant Planning Director
To: Daniel T. Forrest, State Historic Preservation Officer

Project: State No.: 103-247
F.A.P. No.: N/A
Project Title: New Occum Maintenance Facility
Towns: Norwich

Subject: SHPO Consultation Documentation

Description of Activity:

The Connecticut Department of Transportation (Department) proposes to use state funds to renovate the Occum Maintenance Facility in Norwich. The existing Maintenance building will be demolished and a new building will be constructed. Utility connections will be made with existing public utilities. Renovations will be made to the existing salt shed including: in-filling the end door with a structural wall, demolition of the intermediate divider wall, and structural repairs to the concrete pilasters.

Technical Review of Project:

The Department consulted with the State Historic Preservation Office (SHPO) on this project in 2012. At the time the project included a building renovation. The project scope has changed, and a new SHPO letter is required.

The soils within the project area are classified as Urban Land. Staff from the Department's Office of Environmental Planning (OEP) visited the project area and found it to have "low archaeological sensitivity because of previous extensive and intensive ground disturbing activities" (letter to SHPO dated July 11, 2012). Construction under the new scope will be within the Maintenance Facility site and will have very little potential to impact intact, eligible archaeological resources.

The Maintenance Facility itself is of a standard design, and is not historic. The Facility was not constructed until I-395 was built in the late 1950's through this area. The Facility appears on the 1965 aerial photo and not the 1934 aerial photo. The Maintenance Facility is not located within an historic district. There

are some residences on Taftville-Occum Road (RT 97) to the east of the Facility, however, the view of the Facility is only from the rear yards of the residences, and trees are located between the Facility and the yards of the residences. This project should have no impact on standing historic structures.

Recommendation:

The Department's OEP recommends that with the new scope no historic properties will be affected by this project. This project is subject to review under the Connecticut Environmental Policy Act.

Attached Documents:

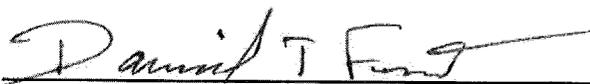
- SHPO Letter – July 23, 2012
- Historic Review Maps
- Photos
- Supporting Documents – Environmental Review Request & Environmental Review

SHPO Use Only

Based on the information provided to the State Historic Preservation Office, we:

Concur Do Not Concur (additional comments attached)

with DOT's Office of Environmental Planning's opinion that no historic properties will be affected by this undertaking (project no. 103-247 in Norwich).





Daniel T. Forrest
State Historic Preservation Officer

Date



Department of Economic and
Community Development

Connecticut
still revolutionary



21 Griffin Road North
Windsor, CT 06095

860.298.9692 PHONE
860.298.6399 FAX

www.TRCSolutions.com

May 27, 2015

Mr. Todd Levine
State Historic Preservation Office
Department of Economic & Community Development
One Constitution Plaza, 2nd Floor
Hartford, CT 06103

Subject: Building Demolition
Occum Maintenance Facility, 125 Taftville-Occum Road, Occum, Connecticut
ConnDOT File 103-247-6
TRC Project No. 183572.5084.00710

Dear Mr. Levine:

As representatives of the Connecticut Department of Transportation (ConnDOT), the owners of the subject property which is greater than fifty (50) years old, and in accordance with Connecticut General Statute (CGS) Section 4b-64, we are notifying you that the above referenced property is scheduled for demolition.

This letter is to request the Office's written determination on the historical status of the property prior to its scheduled demolition. If the property is found to be of historic significance, please provide appropriate guidance.

At your request, the Project Review Cover Form, a current photograph and USGS map have been attached depicting the site location.

If you have any questions regarding this matter, please call TRC at (860) 298-9692.

Very Truly Yours,

TRC

A handwritten signature in black ink, appearing to read "Erik R. Plimpton".

Erik R. Plimpton, PE, CHMM, CMC
Vice President
Building Sciences Practice Leader

CC: C.Bonsignore, P.E./J. Nemecek, P.E./R. Reilly, ConnDOT
Ed Burke, P.E., TRC



State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | 860.256.2800 | Cultureandtourism.org

PROJECT REVIEW COVER FORM

1. This information relates to a previously submitted project.

You do not need to complete the rest of the form if you have been previously issued a SHPO Project Number. Please attach information to this form and submit

SHPO Project Number _____ (Not all previously submitted projects will have project numbers)

Project Address Occum Maintenance Facility, 125 Taftville-Occum Road, Occum _____ (Street Address and City or Town)

2. This is a new Project.

If you have checked this box, it is necessary to complete ALL entries on this form .

Project Name CTDOT Building Demolition 103-247-6 _____

Project Location 125 Taftville-Occum Road _____ Include street number, street name, and or Route Number. If no street address exists give closest intersection.

City or Town Occum _____ In addition to the village or hamlet name (if appropriate), the municipality must be included here.

County _____ If the undertaking includes multiple addresses, please attach a list to this form.

Date of Construction (for existing structures) ~1960 _____

PROJECT DESCRIPTION SUMMARY (include full description in attachment):

Demolition

TYPE OF REVIEW REQUESTED

a. Does this undertaking involve funding or permit approval from a State or Federal Agency?

Yes No

Agency Name/Contact Type of Permit/Approval
FHA
CTDOT

State Federal

b. Have you consulted the SHPO and UCONN Dodd Center files to determine the presence or absence of previously identified cultural resources within or adjacent to the project area?

Yes No

If yes: Was the project site wholly or partially located within an identified archeologically sensitive area?

Does the project site involve or is it substantially contiguous to a property listed or recommended for listing in the CT State or National Registers of Historic Places?

Does the project involve the rehabilitation, renovation, relocation, demolition or addition to any building or structure that is 50 years old or older?



State Historic Preservation Office

One Constitution Plaza | Hartford, CT 06103 | 860.256.2800 | Cultureandtourism.org

PROJECT REVIEW COVER FORM

The Historic Preservation Review Process in Connecticut Cultural Resource Review under the National Historic Preservation Act – Section 106 http://www.achp.gov/106summary.html involves providing technical guidance and professional advice on the potential impact of publicly funded, assisted, licensed or permitted projects on the state's historic, architectural and archaeological resources.

Project review is conducted in two stages. First, the SHPO assesses affected properties to determine whether or not they are listed or eligible for listing in the Connecticut State or National Registers of Historic Places. If so, it is deemed "historic" and worthy of protection and the second stage of review is undertaken.

ALL PROJECTS SUBMITTED FOR REVIEW MUST INCLUDE THE FOLLOWING MATERIALS*:

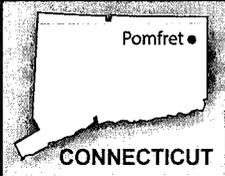
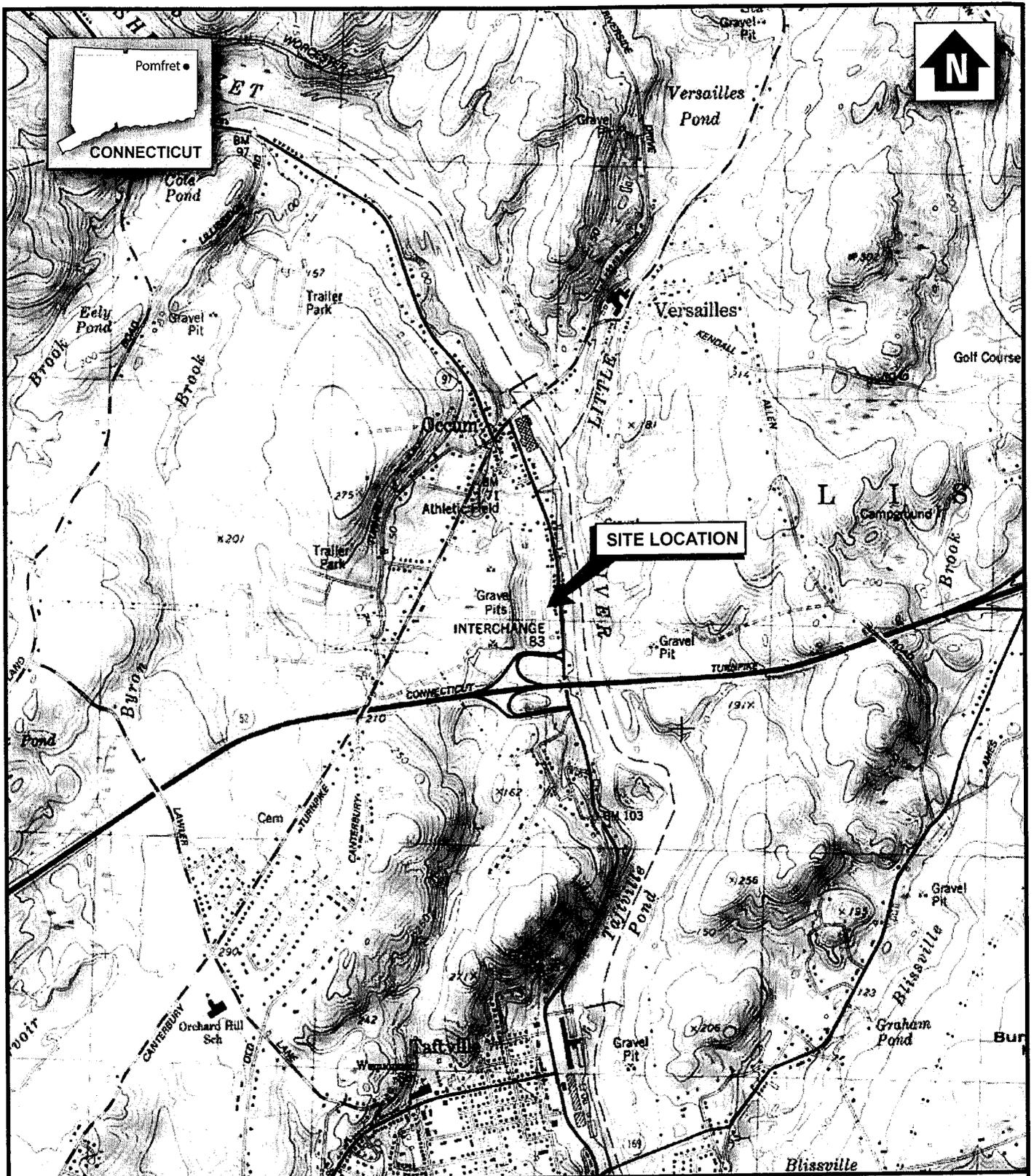
- PROJECT DESCRIPTION Please attach a full description of the work that will be undertaken as a result of this project. Portions of environmental statements or project applications may be included. The project boundary of the project should be clearly defined**
PROJECT MAP This should include the precise location of the project – preferably a clear color image showing the nearest streets or roadways as well as all portions of the project. Tax maps, Sanborn maps and USGS quadrangle maps are all acceptable, but Bing and Google Earth are also accepted if the information provided is clear and well labeled. The project boundary should be clearly defined on the map and affected legal parcels should be identified.
PHOTOGRAPHS Clear, current images of the property should be submitted. Black and white photocopies will not be accepted. Include images of the areas where the proposed work will take place. May require: exterior elevations, detailed photos of elements to be repaired/replaced (windows, doors, porches, etc.) All photos should be clearly labeled.

Table with columns for 'For Existing Structures', 'For New Construction', and 'For non-building-related projects'. Rows include 'Property Card', 'Project plans or limits of construction', 'Soils Maps', 'Historic Maps', and 'STAFF REVIEW AREA'.

PROJECT CONTACT

Name Erik Plimpton, PE, CHMM, CMC Title Agent for ConnDOT
Firm/Agency TRC Environmental Corporation
Address 21 Griffin Road North
City Windsor State CT Zip 06095
Phone 860-298-6280 Cell 860-798-4699 Fax 860-298-6380
Email eplimpton@trcsolutions.com

*Note that the SHPO's ability to complete a timely project review depends largely on the quality of the materials submitted.
** Please be sure to include the project name and location on each page of your submission.



SITE LOCATION

INTERCHANGE 83



1:24000 © 1996 WILDFLOWERS PRODUCTIONS,
www.topo.com 7.5' USGS TOPOGRAPHIC MAPS



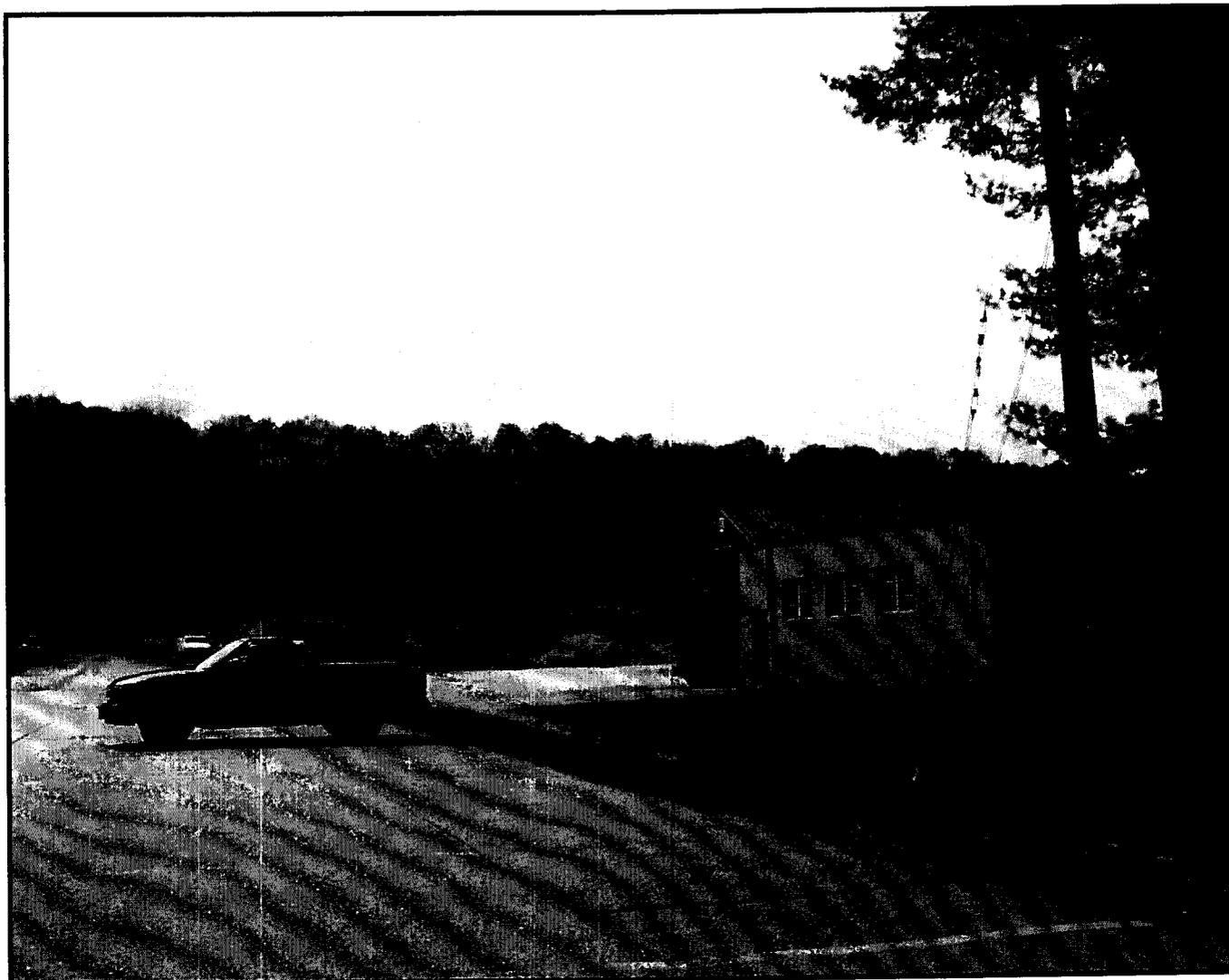
21 Griffin Road North
Windsor, CT 06095
Phone: 860.298.9692

125 TAFTVILLE-OCCUM ROAD
OCCUM, CONNECTICUT

**FIGURE 1
SITE LOCATION MAP**

DATE: 05/2015

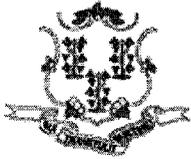
PROJECT NO. 183572.5086.000710



125 TAFTVILLE-OCCUM ROAD OCCUM, CONNECTICUT

APPENDIX D

TRC INSPECTORS LICENSES/CERTIFICATIONS



State of Connecticut

Lookup Detail View

Name

Name
HILTON HERNANDEZ

License Information

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	424	01/31/2016	05/12/2000	Hilton Hernandez	ACTIVE	None

Generated on: 5/15/2015 10:07:52 AM

CERTIFICATE OF ACHIEVEMENT

This certifies that

Hilton Hernandez

has successfully completed the
**Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763**

conducted by

**Cardno ATC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070**

Gregory J. Morsch

Principal Instructor: Gregory Morsch
November 13, 2014

Date of Course

November 13, 2015

Expiration Date

Gregory J. Morsch

Regional Training Manager: Gregory Morsch

SIAR-5001

Certificate Number

November 13, 2014

Examination Date

WALLET CARD
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

VALIDATION NO. 03-054562

NAME DAVID M. HEELON

CERTIFICATE NO. 000537

CURRENT THROUGH 10/31/15

PROFESSION ASBESTOS CONSULTANT-PROJECT MONITOR

SIGNATURE *David M. Heelon*
COMMISSIONER

WALLET CARD
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

VALIDATION NO. 03-054563

NAME DAVID M. HEELON

CERTIFICATE NO. 000635

CURRENT THROUGH 10/31/15

PROFESSION ASBESTOS CONSULTANT-INSPECTOR

SIGNATURE *David M. Heelon*
COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Dave Heelon

has successfully completed the
Asbestos Site Inspector Refresher Training
Asbestos Accreditation Under TSCA Title II
40 CFR Part 763

conducted by

Cardno ATC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070



Principal Instructor: Marc Soutra

December 18, 2014

Date of Course

December 18, 2015

Expiration Date



Regional Training Manager: Gregory Morsch

SIAR-5022

Certificate Number

December 18, 2014

Examination Date

WALLET CARD
STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME
DAVID M. HEELON

VALIDATION NO. 03-055456	CERTIFICATE NO. 002188	CURRENT THROUGH 10/31/15
-----------------------------	---------------------------	-----------------------------

PROFESSION
LEAD INSPECTOR RISK ASSESSOR

SIGNATURE *David M. Heelon*
COMMISSIONER

CERTIFICATE OF ACHIEVEMENT

This certifies that

Dave Heelon

18 Hale Street, West Springfield, MA 01089
000-00-9220

has successfully completed the

INSPECTOR RISK ASSESSOR REFRESHER

Training Course

conducted by

Cardno ATC

73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Principal Instructor:

December 5, 2014

Date of Course

CTLRAR-381

Certificate Number

December 5, 2015

Exam Date

December 5, 2015

Expiration Date

Gregory J. Marsack

Interim Training Director

*Training received complies with the requirements of the
Connecticut Department of Public Health pursuant to Section 2-477
of the Connecticut General Statutes.*

APPENDIX E
LABORATORY ACCREDITATIONS

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

TRC ENVIRONMENTAL CORPORATION

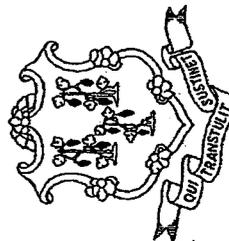
LOCATED AT 21 Griffin Road North IN Windsor, CT 06095
AND REGISTERED IN THE NAME OF Erik Plimpton

THIS CERTIFICATE IS ISSUED IN THE NAME OF Kathleen Williamson WHO HAS BEEN DESIGNATED BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

ASBESTOS
AIR-FIBER COUNTING - PCM
BULK IDENTIFICATION - PLM

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES December 31, 2015 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH
DATED AT HARTFORD, CONNECTICUT THIS 19th DAY OF December, 2013

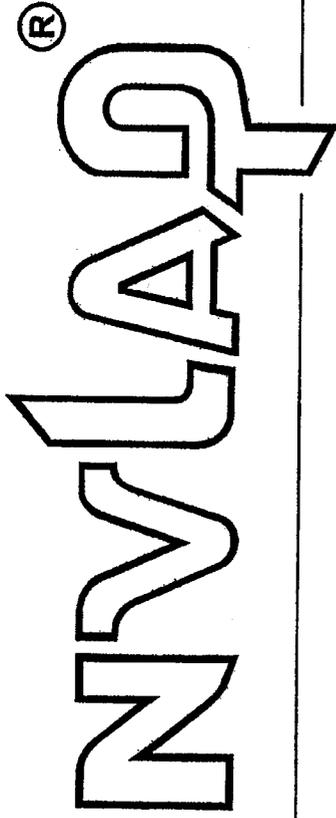


Registration No.

PH- 0426

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 101424-0

TRC Environmental Corporation
Windsor, CT

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).

2013-07-01 through 2014-06-30

Effective dates



A handwritten signature in black ink, appearing to read "R. M. M. L. D." with a stylized flourish.

For the National Institute of Standards and Technology

State of Connecticut, Department of Public Health
Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

PROSCIENCE ANALYTICAL SERVICES, INC.

Webb, MA 01801

22 Cummings Park

IN

Harvey Yee

Aimee Corinier

WHO HAS BEEN DESIGNATED

AND REGISTERED IN THE NAME OF

THIS CERTIFICATE IS ISSUED IN THE NAME OF _____ BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

SOLID WASTE/SOIL

Examination for:

Total Metals

ENVIRONMENTAL HEALTH & HOUSING

Lead in Paint

Lead (Paint) in Soil

Lead in Dust Wipes

ASBESTOS

Bulk Identification (PLM + TEM)

Air-Fiber Counting (PCM + TEM)

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES December 31, 2016

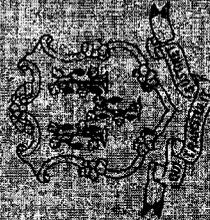
AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS

8th

DAY OF

December, 2014



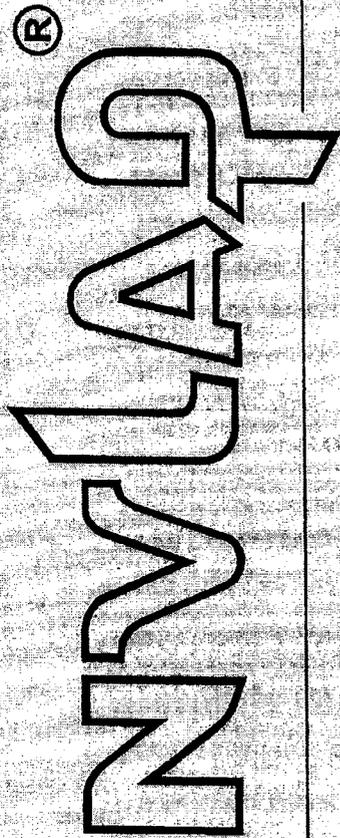
Registration #

PH-0209



SUZANNE BLANGCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 200090-0

ProScience Analytical Services, Inc.
Woburn, MA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:

BULK ASBESTOS FIBER ANALYSIS

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009)

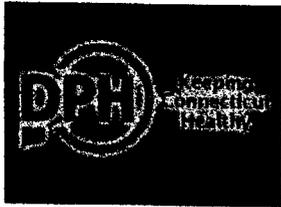
2015-01-01 through 2015-12-31

Effective dates



M. D. M. L. D.

For the National Institute of Standards and Technology



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH ENVIRONMENTAL HEALTH SECTION

ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM CERTIFIED ANALYTES REPORT FOR ALL MATRICES

Complete Environmental Testing, Inc.

80 LUPES DRIVE
STRATFORD, CT 06615

CT REGISTRATION NUMBER : PH-0116

REGISTERED OWNER / AUTHORIZED AGENT : David Ditta

DIRECTOR : David Ditta

CO DIRECTOR(S) : Timothy Fusco

PHONE : (203) 377-9984

LABORATORY REGISTRATION EFFECTIVE DATE : 10/01/2014

LABORATORY REGISTRATION EXPIRATION DATE : 09/30/2016

LABORATORY STATUS : APPROVED

APPROVED BY


PHILIP SCHLOSSBERG

10/7/2014 3:08:55 PM

ANY QUESTIONS CONCERNING THIS DOCUMENT SHOULD BE ADDRESSED TO THE
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM AT (860) 509-7389

SOLID WASTE/SOIL

STATUS REPORTED ON 10/7/2014

ANALYTE NAME

PHYSICALS

pH

MINERALS

SULFIDE

NUTRIENTS

AMMONIA

KJELDAHL NITROGEN

TOTAL PHOSPHOROUS

METALS

ALUMINUM

ANTIMONY

ARSENIC

BARIUM

BERYLLIUM

BORON

CADMIUM

CALCIUM

CHROMIUM

CHROMIUM - Hexavalent

COBALT

COPPER

IRON

LEAD

MAGNESIUM

MANGANESE

MERCURY

MOLYBDENUM

NICKEL

POTASSIUM

SELENIUM

SILVER

SODIUM

STRONTIUM

THALLIUM

TIN

TITANIUM

VANADIUM

ZINC

RESIDUE

TOTAL RESIDUE (SOLIDS)

TOTAL VOLATILE RESIDUE

DEMANDS

TOTAL ORGANIC CARBON

MISCELLANEOUS

CORROSIVITY

CYANIDE (TOTAL)

IGNITABILITY

REACTIVITY

SPLP LEACH (1312)

TCLP LEACH (1311)

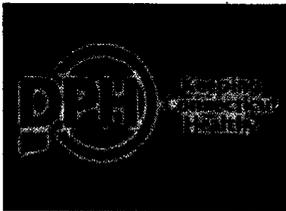
PESTICIDES/ PCB'S

CHLORDANE (TECHNICAL)

Report Printed on: 10/7/2014 3:08:55 PM

Page 6 of 8

Complete Environmental Testing, Inc.



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION

ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM
CERTIFIED ANALYTES REPORT FOR ALL MATRICES

Phoenix Environmental Laboratories, Inc.

587 EAST MIDDLE TURNPIKE
MANCHESTER, CT 06040

CT REGISTRATION NUMBER : PH-0618

REGISTERED OWNER / AUTHORIZED AGENT : Allan Caffyn

DIRECTOR : Phyllis Shiller

CO DIRECTOR(S) : Kathleen Cressia

PHONE : (860) 645-1102

LABORATORY REGISTRATION EFFECTIVE DATE : 06/30/2014

LABORATORY REGISTRATION EXPIRATION DATE : 06/30/2016

LABORATORY STATUS : APPROVED

APPROVED BY


PHILIP SCHLOSSBERG

12/23/2014 12:03:46 PM

ANY QUESTIONS CONCERNING THIS DOCUMENT SHOULD BE ADDRESSED TO THE
ENVIRONMENTAL LABORATORY CERTIFICATION PROGRAM AT (860) 509-7389

PESTICIDES/ PCB'S

CHLORDANE (TECHNICAL)

ORGANOCHLORINE PESTICIDES (Single
Response)

PCB IN OIL

POLYCHLORINATED BIPHENYLS

TOXAPHENE

SOLVENTS

CT Extractable Petroleum Hydrocarbons (ETPH)

MA Extractable Petroleum Hydrocarbons (EPH)

MA Volatile Petroleum Hydrocarbons (VPH)

OIL AND GREASE

TOTAL ORGANIC HALIDES

TPH (HEM/SGT)

HERBICIDES

2,4,5-T

2,4,5-TP (SILVEX)

2,4-D

DICAMBA

TRIAZINE PESTICIDES

ALACHLOR

ATRAZINE

SIMAZINE

RCRA (SW-846) ORGANICS

ACID EXTRACTABLES (PHENOLS) (SW 8270)

BENZIDINES (SW 8270)

CHLORINATED HYDROCARBONS (SW 8270)

HALOETHERS (SW 8270)

NITROAROMATICS & CYCLIC KETONES (SW
8270)

NITROSOAMINES (SW 8270)

PAH's (SW 8270)

PHTHALATES (SW 8270)

VOLATILE ORGANICS (SW 8260)

ENVIRONMENTAL HEALTH & HOUSING

LEAD (PAINT) IN SOIL

LEAD IN DUST WIPES

LEAD IN PAINT

APPENDIX F

**TRC 2015 ASBESTOS BULK SAMPLE
CHAIN OF CUSTODY FORMS**



21 GRIFFIN ROAD NORTH
 WINDSOR, CONNECTICUT 06095
 TELEPHONE (860) 298-9692
 FAX (860) 298-6380

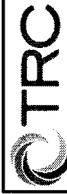
ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009
 Supersede Previous Edition

LAB ID #. **45844**

PROJECT NUMBER	PROJECT NAME		PARAMETERS				TURNAROUND TIME							
	CT - DOT	Occum Maintenance Facility 125 Taftville/Occum Road, Norwich, CT	PLM EPA 600/R93/16 (POSITIVE STOP)	PLM EPA 600/R93/16 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 1984 (IF PLM SERIES NEG)	PLM:	TEM:					
183572-5084-0710	INSPECTOR Hilton Hernandez		SAMPLE LOCATION				MATERIAL							
	SIGNATURE 													
FIELD SAMPLE NUMBER	DATE	TIME	COMP	TYPE	GRAB	PLM EPA 600/R93/16 (POSITIVE STOP)	PLM EPA 600/R93/16 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 1984 (IF PLM SERIES NEG)	8hr	24hr	48hr	3day
01	04/29/15	1040	X	X	Bay 1	X				X				
02	04/29/15	1050	X	X	Bay 4					X				
03	04/29/15	1055	X	X	Bay 1	X								
04	04/29/15	1100	X	X	Bay 3	X				X				
05	04/29/15	1115	X	X	Office 1					X				
06	04/29/15	1105	X	X	Bay 1 door					X				
07	04/29/15	1105	X	X	Bay 1 door	X				X				
08	04/29/15	1106	X	X	Bay 1 door	X								
09	04/29/15	1128	X	X	Office 1			X		X				

Relinquished by: (Signature) 	Date: 05/13/15	Received by: (Signature) 	Date: 5/13/15
(Printed) Hilton Hernandez	Time: 1325	(Printed) 1400	Time:
Remarks:	Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Comments:
			Page 1 of 4



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009
Supersedes Previous Edition

LAB ID #. **45841**

PROJECT NUMBER 183572-5084-0710	PROJECT NAME CT - DOT Occum Maintenance Facility 125 Taftville/Occum Road, Norwich, CT	PARAMETERS	TURNAROUND TIME
SIGNATURE 	INSPECTOR Hilton Hernandez	PLM EPA 600/R93/116 (POSITIVE STOP)	PLM: 8hr X 24hr X 48hr X 3day X
		PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	TEM: 24hr X 48hr X 3day X 5day X
		ANALYZE BY LAYER	
		POINT COUNT (IF >1% & <10%)	
		TEM NY NOB 1984 (IF PLM SERIES NEG)	

FIELD SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION	MATERIAL
			COMP	GRAB		
20	04/30/15	1007	X	X	Roof	FL5 - black edge flashing
21	04/30/15	1015	X	X	Roof	JS1 - brown aluminum fascia joint sealant
22	04/30/15	1018	X	X	Roof	JS2 - white gutter joint sealant
23	04/30/15	1320	X	X	Exterior outside office 1	JS4 - tan/clear sealant
24	05/01/15	1400	X	X	Exterior garage bay 6	JS6 - brown column sealant
25	05/01/15	1404	X	X	Exterior garage bay 12	JS7 - black column sealant
26	04/30/15	1030	X	X	Roof	RF1 - black built-up roofing material
27	04/30/15	1032	X	X	Roof	RF2 - gray built-up roofing felt between Styrofoam and cellulose
28	04/30/15	1036	X	X	Roof	RF3 - gray paper under Styrofoam
29	04/30/15	1039	X	X	Roof	RF4 - black roof cement bottom layer on deck

Relinquished by: (Signature) 	Received by: (Signature) 	Date: 05/13/15	Date: 5/13/15
(Printed) Hilton Hernandez	(Printed) Hilton Hernandez	Time: 1325	Time: 1400
Remarks:		Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		Page 3 of 4	



21 GRIFFIN ROAD NORTH
 WINDSOR, CONNECTICUT 06095
 TELEPHONE (860) 298-9692
 FAX (860) 298-6380

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009
 Supersede Previous Edition

LAB ID #. 45841

PROJECT NUMBER		PROJECT NAME		PARAMETERS				TURNAROUND TIME							
								PLM:	8hr	24hr	48hr	3day			
183572-5084-0710		CT - DOT Occum Maintenance Facility 125 Taftville/Occum Road, Norwich, CT		PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	TEM:	24hr	48hr	3day	5day		
SIGNATURE		INSPECTOR		MATERIAL											
		Hilton Hernandez													
FIELD SAMPLE NUMBER	DATE	TIME	TYPE	SAMPLE LOCATION		PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	PLM:	8hr	24hr	48hr	3day
				COMP	GRAB										
30	05/01/15	1400	X	Bay 12		X			X				X		
31	05/01/15	1435	X	Women's bathroom				X	X						
32	05/01/15	1505	X	Bay 12					X				X		
33	05/01/15	1510	X	Bay 1					X						
34	05/01/15	1530	X	Exterior bay 17 foundation		X									
35	05/01/15	1530	X	Exterior bay 17 foundation		X			X						
36	05/01/15	1543	X	Retaining wall		X									
37	05/01/15	1540	X	Retaining wall		X									

Relinquished by: (Signature) 	Date: 05/13/15	Received by: (Signature) 	Date: 5/13/15
(Printed) Hilton Hernandez	Time: 1325	(Printed) Hilton Hernandez	Time:
Remarks:		Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
		Comments:	

Proscience Analytical Services, Inc.

22 Cummings Park, Woburn, MA 01801 Ph. 781-935-3212 Fax 781-932-4857
 TEM Bulk Chain of Custody Record

Date: 05/18/15

PO#: C183572

Client: TRC

Client Job#: 183572.5084.0710

Client Job Ref./Loc.: CT DOT - Occum Maintenance Facility, Norwich, CT

Relinquished by: A. Parkins - AParkins@trcsolutions.com

Analysis Type: Chatfield EPA N.O.B Qualitative

Received by:

Report to: E. Plimpton - EPlimpton@trcsolutions.com & EBouley@trcsolutions.com

Samplers Name: H. Hernandez

Turn Around Time: <12 Hour <24 Hour <48 Hour <3 Day 5 Day Other:

Client ID #	Lab ID#	Description	Location	For Lab Use Only	
				Acceptable on Receipt	Comments
01	45841	Expansion Joint	See COC		
02	45841	Expansion Joint			
04	45841	Glazing			
05	45841	Glazing			
06	45841	Sealant			
07	45841	Glaze			
09	45841	Tile AND Mastic			
10	45841	Tile AND Mastic			
11	45841	Mastic			
12	45841	Mastic			
19	45841	Flashing Sealant			
20	45841	Flashing			
21	45841	Sealant			
22	45841	Sealant			
23	45841	Sealant			
24	45841	Sealant			
For Lab Use Only		# Spies	Total	Client #	Batch #
				Results Reported	Comments

APPENDIX G

TRC 2015 PLM LABORATORY ANALYSIS DATA

BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Transportation

Lab Log #: 0045841
 Project #: 183572.5084.0710
 Date Received: 05/13/2015
 Date Analyzed: 05/18/2015

Site: Occum Maintenance Facility, 125 Taftville/Occum Road, Norwich, CT

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
01	Black	Yes	No	--	---	ND	None
02	Black	Yes	No	--	---	ND	None
03	White/Grey	Yes	No	--	---	ND	None
04	White/Grey	Yes	No	--	---	ND	None
05	Grey	Yes	No	--	---	ND	None
06	Red	Yes	No	--	---	ND	None
07	White	Yes	No	--	---	Trace	Chrysotile
08	White	Yes	No	--	---	Trace	Chrysotile
09	Tan (mastic)	No	Yes	1	---	ND	None
09	White/Grey (floor tile)	No	Yes	2	---	ND	None
10	Tan (mastic)	No	Yes	1	---	ND	None
10	Grey (floor tile)	No	Yes	2	---	ND	None
11	Black/Grey	Yes	No	--	---	ND	None
12	Tan	Yes	No	--	---	ND	None
13	White	Yes	No	--	---	ND	None
14	White	Yes	No	--	---	ND	None
15	White	Yes	No	--	---	ND	None
16	White	Yes	No	--	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0	AIHA-LAP, LLC #100122	CT #PH-0426	ME LA-0075, LB-0071	MA #AA000052	NY #10980	WV# LT000411
RI #AAL-007	TX #300354	VT #AL014538	LA#05011	VA #3333 000283	AZ #A20944	HI #L-09-004
CO# AL-15020	PHIL# 461	PA#68-03387				NJ #CT004
						CA #2907

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
17	White	Yes	No	--	90% mineral wool	ND	None
18	White	Yes	No	--	90% mineral wool	ND	None
19	Grey	Yes	No	--	---	ND	None
20	Black	Yes	No	--	10% fibrous glass	ND	None
21	Brown	Yes	No	--	---	ND	None
22	Colorless	Yes	No	--	---	ND	None
23	Colorless	Yes	No	--	---	ND	None
24	Brown	Yes	No	--	---	ND	None
25	Black	Yes	No	--	---	ND	None
26	Black	Yes	No	--	20% fibrous glass	ND	None
27	Black	Yes	No	--	20% cellulose	ND	None
28	Grey	Yes	No	--	80% cellulose 10% fibrous glass	ND	None
29	Black	Yes	No	--	---	ND	None
30	Grey	Yes	No	--	---	ND	None
31	Tan (glue)	No	Yes	1	---	ND	None
31	Black (cove base)	No	Yes	2	---	ND	None
32	Red	Yes	No	--	---	ND	None
33	Red	Yes	No	--	---	ND	None
34	Black	Yes	No	--	---	ND	None
35	Black	Yes	No	--	---	ND	None
36	Light Grey/Rust	Yes	No	--	---	60%	Chrysotile
37	--	--	--	--	--	NA/PS	--

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 AIHA-LAP,LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411
 RI #AAL-007 TX #300354 VT #AL014538 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907
 CO# AL-15020 PHIL# 461 PA#68-03387



POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
------------	-------	------------	---------------	-----------	------------------------	------------	---------------

Reporting limit- asbestos present at 1%
 ND - asbestos was not detected
 Trace - asbestos was observed at level of less than 1%
 NA/PS - Not Analyzed / Positive Stop
 SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.

The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation (1982), and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials (EPA/600/R-93/116), July 1993, R.L. Perkins and B.W. Harvey which utilizes polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2015. TRC is an American Industrial Hygiene Association (AIHA) accredited lab for PLM effective through October 1, 2016. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and the QC data related to the samples is available upon written request from the client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by: *Amanda Parkins* Reviewed by: *K. Williamson* Date Issued
 Amanda Parkins, Laboratory Analyst Kathleen Williamson, Laboratory Manager 05/18/2015

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 AIHA-LAP.LLC #100122 CT #PH-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411
 RI #AAL-007 TX #300354 VT #AL014538 LA#05011 VA #3333 000283 AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907
 CO# AL-15020 PHIL# 461 PA#68-03387

APPENDIX H

TRC 2015 TEM LABORATORY ANALYSIS DATA

ProScience Analytical Services, Inc.

22 Cummings Park, Woburn, Massachusetts 01801
 781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail: general@proscience.net

Laboratory Report

Batch: NT 15164
Method: NOB
Date Received: 5/19/2015
Date Analyzed: 5/21/2015
Date of Report: 5/21/2015

Client Project #: 183572.5084.0710
Client Reference: CT DOT - Occum Maintenance Facility, Norwich, CT
PO #: C183572
Client #: 297
Client Name: TRC Environmental Corp. (CT)

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Types						% Other Non-asb.	% Organic	% Carb.	Total % Asbestos	Analyzed / Charged	Preped / Charged	
					CHR	AMO	ACT	CRO	ANT	TRE							
NT115356	01	Black Floor Expansion Joint Hard Shiny		.8716	.96	.00	.00	.00	.00	.00	.00	19.15	76.66	4.19	TR	Yes	No
NT115357	02	Black Bituminous Expansion Joint		.3222	.14	.00	.00	.00	.00	.00	.00	28.80	67.04	4.16	TR	Yes	No
NT115358	04	White/ Gray Int/ Ext Glazing Compound		.1383	.29	.00	.00	.00	.00	.00	.00	1.96	10.77	87.27	TR	Yes	No
NT115359	05	Gray Interior Fixed Window Glazing Compound		.1730	.25	.00	.00	.00	.00	.00	.00	3.13	19.88	76.99	TR	Yes	No
NT115360	06	Red Sealant Along Rain Cap Top		.3480	.00	.00	.00	.00	.00	.00	.00	5.03	20.03	74.94	ND	Yes	No
NT115361	07	White Door Window Glaze		.0625	4.22	.00	.00	.00	.00	.00	.00	3.46	11.04	81.28	4.22	Yes	No
NT115362	09M	Tan Mastic		.0250	.00	.00	.00	.00	.00	.00	.00	16.80	67.20	16.00	ND	Yes	No
NT115363	09	12x12 White/ Gray Streaks Floor Tile		.7193	.00	.00	.00	.00	.00	.00	.00	13.85	21.41	64.74	ND	Yes	No
NT115365	10	12x12 Gray Mottled Floor Tile		.6484	.00	.00	.00	.00	.00	.00	.00	15.87	21.02	63.11	ND	Yes	No
NT115366	11	Black w/ Gray Paint Mastic		.0567	.00	.00	.00	.00	.00	.00	.00	19.04	33.16	47.80	ND	Yes	No
NT115367	12	Tan Mastic on Fiberglass Foil Backing		.0272	.00	.00	.00	.00	.00	.00	.00	3.31	95.59	1.10	ND	Yes	No
NT115368	19	Gray Flashing Sealant		.5905	1.01	.00	.00	.00	.00	.00	.00	11.67	51.94	35.38	1.01	Yes	No
NT115369	20	Black Edge Flashing		1.2027	.91	.00	.00	.00	.00	.00	.00	45.28	43.76	10.96	TR	Yes	No
NT115370	21	Brown Aluminum Fascia Joint Sealant		.6034	.00	.00	.00	.00	.00	.00	.00	.98	98.94	.08	ND	Yes	No
NT115371	22	White Gutter Joint Sealant		.1156	.00	.00	.00	.00	.00	.00	.00	42.99	48.88	8.13	ND	Yes	No

ProScience Analytical Services, Inc.

22 Cummings Park, Woburn, Massachusetts 01801
781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail: general@proscience.net

Laboratory Report

Client Project #: 183572.5084.0710
Client Reference: CT DOT - Occum Maintenance Facility, Norwich, CT
PO #: C183572
Client #: 297
Client Name: TRC Environmental Corp. (CT)

Batch: NT 15164
Method: NOB
Date Received: 5/19/2015
Date Analyzed: 5/21/2015
Date of Report: 5/21/2015

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Types						% Other Non-asp.	% Organic	% Carb.	Total % Asbestos	Analyzed / Charged	Preped / Charged
					CHR	AMO	ACT	CRO	ANT	TRE						
NT115372	23	Tan/ Clear Sealant		.3576	.00	.00	.00	.00	.00	.00	.00	9.98	ND	Yes	No	
NT115373	24	Brown Column Sealant		.2501	.00	.00	.00	.00	.00	.00	.00	57.98	ND	Yes	No	
NT115374	25	Black Column Sealant		.1464	.00	.00	.00	.00	.00	.41	99.52	.07	ND	Yes	No	
NT115375	26	Black Built-up Roofing Material		.3824	.00	.00	.00	.00	.00	10.04	89.23	.73	ND	Yes	No	
NT115376	27	Gray Built-up Roofing Felt Between Styrofoam		.5018	.00	.00	.00	.00	.00	1.55	98.19	.26	ND	Yes	No	
NT115377	28	Gray Paper Under Styrofoam		.0837	.00	.00	.00	.00	.00	3.23	90.20	6.57	ND	Yes	No	
NT115378	29	Black Roof Cement Bottom Layer on Deck		.0571	.00	.00	.00	.00	.00	7.53	88.97	3.50	ND	Yes	No	
NT115379	30	Gray Exterior Window Caulk		.2896	.00	.00	.00	.00	1.76	33.40	61.46	3.38	1.76	Yes	No	
NT115380	31G	Tan Glue		.1926	.00	.00	.00	.00	.00	23.78	61.63	14.59	ND	Yes	No	
NT115381	31	4" Black Covebase		.2572	.00	.00	.00	.00	.00	2.06	27.57	70.37	ND	Yes	No	
NT115382	32	Interior Door Frame Sealant Red		.2493	.00	.00	.00	.00	.00	5.97	24.03	70.00	ND	Yes	No	
NT115383	33	Exterior Door Frame Sealant Red		.4145	.02	.00	.00	.00	.00	4.19	24.54	71.27	TR	Yes	No	
NT115384	35	Black Weather-Proofing Tar		.1391	.00	.00	.00	.00	.00	51.19	35.51	13.30	ND	Yes	No	

ProScience Analytical Services, Inc.

22 Cummings Park, Woburn, Massachusetts 01801
 781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail: general@proscience.net

Laboratory Report

Client Project #: 183572.5084.0710
 Client Reference: CT DOT - Occum Maintenance Facility, Norwich, CT
 PO #: C183572
 Client #: 297
 Client Name: TRC Environmental Corp. (CT)

Batch: NT 15164
 Method: NOB
 Date Received: 5/19/2015
 Date Analyzed: 5/21/2015
 Date of Report: 5/21/2015

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Types				% Other Non-asp.	% Organic	% Carb.	Total % Asbestos	Analyzed / Charged	Preped / Charged
					CHR	AMO	ACT	CRO						

Comments: Sample 10 Mastic was unable to be analyzed due to insufficient sample volume.

Key: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite TR = Trace < 1% ND = None Detected


 Aimee Cormier, Analyst

APPENDIX I

LEAD PAINT XRF MEASUREMENT TABLE



Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
 Site: Occum Maintenance Facility, 125 Taftville Occum Road, Occum, Connecticut
 Project #: 183572-5084-0710
 Date(s): 4/28/2015
 Inspector: David Heelon (Lead Inspector #002188)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm ²)	Precision (mg/cm ²)	Depth Index	Duration (sec)	Date/Time
1	Shutter calibration							7.5	0.0	0.0	52.12	4/28/2015 8:10
2	0.3 calibration							0.3	0.0	1.13	11.92	4/28/2015 8:24
3	1.6 calibration							1.5	0.1	1.12	6.22	4/28/2015 8:26
4	3.5 calibration							3.5	0.3	1.28	6.74	4/28/2015 8:26
5	Room 1	D	Door	Casing	Metal	Brown	Defective	0.0	0.0	1	5.24	4/28/2015 8:32
6	Room 1	D	Door		Metal	Brown	Defective	0.1	0.1	6.15	8.83	4/28/2015 8:32
7	Room 1	D	Wall		Block	Brown	Intact	0.0	0.0	1	5.2	4/28/2015 8:37
8	Garage	C	Door		Vinyl	White	Intact	0.0	0.0	1	5.7	4/28/2015 8:33
9	Garage	C	Column		Metal	Grey	Defective	0.0	0.0	1	5.18	4/28/2015 8:39
10	Garage 5 Tool Crib	--	Ceiling		Wood	Grey	Intact	2.4	0.2	1.36	5.19	4/28/2015 8:45
11	Garage 5 Tool Crib	A	Door	Casing	Wood	Grey	Intact	0.0	0.0	1	5.2	4/28/2015 8:47
12	Garage 5 Tool Crib	A	Door		Wood	Grey	Intact	0.8	0.1	1.12	8.82	4/28/2015 8:49
13	Garage 5	--	Ceiling		Concrete	Grey	Intact	0.1	0.0	2.09	7.28	4/28/2015 8:52
14	Garage 5	D	Beam	Horizontal	Metal	Grey	Intact	0.1	0.0	2.31	5.7	4/28/2015 8:56
15	Garage 7	C	Beam	Vertical	Metal	Grey	Intact	0.1	0.0	1.66	5.22	4/28/2015 8:58
16	Garage 7	C	Window	Interior Garage Door by Window	Rubber	Black	Intact	0.0	0.0	1	5.73	4/28/2015 9:04
17	Garage 8	B	Wall	Tool Crib	Block	Grey	Intact	0.0	0.0	1.68	7.75	4/28/2015 9:07
18	Garage 8 Tool Crib	A	Door	Casing	Wood	Grey	Intact	1.6	0.2	1.53	5.72	4/28/2015 9:15
19	Garage 8 Tool Crib	A	Door		Wood	Grey	Intact	1.9	0.2	1.61	5.74	4/28/2015 9:15
20	Garage 8	B	Door		Metal	Brown	Intact	0.0	0.0	1	5.19	4/28/2015 9:17
21	Garage 8	B	Door	Casing	Metal	Brown	Intact	0.0	0.0	1	5.18	4/28/2015 9:17
22	Office Mens Bath	A	Door		Metal	Brown	Intact	1.0	0.1	2.6	27.02	4/28/2015 9:45
23	Office Mens Bath	A	Door	Casing	Metal	Brown	Intact	0.9	0.1	2.48	19.23	4/28/2015 9:48
24	Office Mens Bath	D	Wall		Block	Tan/Beige	Intact	0.0	0.0	1	11.94	4/28/2015 9:51
25	Office Mens Bath	D	Wall		Block	White	Intact	0.0	0.0	1.91	8.27	4/28/2015 9:53
26	Office Womens Bath	D	Wall		Sheetrock	Tan/Beige	Intact	0.0	0.0	1	5.71	4/28/2015 9:59
27	Office Womens Bath	B	Wall		Sheetrock	Tan/Beige	Intact	0.0	0.0	1	5.71	4/28/2015 9:59
28	Office	D	Locker	Door	Metal	Grey	Intact	1.5	0.1	1.23	9.38	4/28/2015 10:28
29	Office	B	Wall		Wood	Brown	Intact	0.0	0.0	1	8.84	4/28/2015 10:43
30	Boiler Room	C	Furnace	panel	Metal	Blue	Intact	0.1	0.0	1.22	5.18	4/28/2015 10:48
31	Boiler Room	B	Wall		Block	Grey	Intact	2.8	0.9	1.71	6.76	4/28/2015 10:49
32	Boiler Room	A	Wall		Block	White	Defective	0.0	0.0	2.5	7.8	4/28/2015 10:50
33	Boiler Room	--	Floor		Concrete	Grey	Defective	0.0	0.0	1.81	16.06	4/28/2015 10:51
34	Boiler Room	C	Chimney		Brick	White	Defective	0.0	0.0	2.1	10.39	4/28/2015 10:54
35	Office Area	--	Floor		Concrete	Yellow	Intact	17.6	2.2	10	5.18	4/28/2015 10:56
36	Garage 10	D	Cabinet	Door	Metal	Silver	Intact	0.0	0.0	1.17	5.72	4/28/2015 11:42
37	Garage 10	A	Wall		Block	Grey	Intact	0.0	0.0	1.3	8.83	4/28/2015 11:44

Lead paint includes paint found to contain any detectable amount of lead by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

Side A = Street side; Sides B, C, D follow clockwise



Lead Based Paint Measurement Summary Table

Devices(s): Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
 Site: Occum Maintenance Facility, 125 Tatfville Occum Road, Occum, Connecticut
 Project #: 183572-5084-0710
 Date(s): 4/28/2015
 Inspector: David Heelon (Lead Inspector #002188)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm ²)	Precision (mg/cm ²)	Depth Index	Duration (sec)	Date/Time
38	Garage 10	D	Wall	--	Block	Grey-Blue	Intact	0.0	0.0	1.04	7.81	4/28/2015 11:47
39	Garage 12	C	Beam	Vertical	Metal	Grey	Defective	0.1	0.0	1.27	5.18	4/28/2015 11:49
40	Garage 12	C	Door	Garage	Vinyl	White	Intact	0.0	0.0	1	5.25	4/28/2015 11:51
41	Garage 13	B	Wall	Horizontal Beam	Metal	Grey	Intact	0.1	0.0	1.34	5.18	4/28/2015 12:01
42	Between Garage 13 and 14	D	Door	--	Metal	Grey	Defective	0.1	0.1	5.97	5.72	4/28/2015 12:04
43	Garage 14	--	Floor	--	Concrete	Yellow	Defective	0.0	0.0	1.7	11.91	4/28/2015 12:07
44	Garage 14	D	Wall	--	Block	Red	Intact	0.0	0.0	2.47	7.22	4/28/2015 12:08
45	Garage 16	B	Ceiling	Horizontal Beam	Metal	Grey	Intact	0.0	0.0	1.32	8.85	4/28/2015 12:13
46	Garage 17	B	Door	--	Metal	Grey	Intact	0.0	0.0	1	5.2	4/28/2015 12:14
47	Garage 17	B	Door	Casing	Metal	Black	Intact	0.0	0.0	1	5.18	4/28/2015 12:15
48	Garage 17	D	Door	--	Metal	Brown	Defective	0.0	0.0	2.49	5.18	4/28/2015 12:17
49	Garage 17	D	Door	Lintil	Metal	Brown	Defective	1.7	0.2	3.04	7.8	4/28/2015 12:18
50	Garage 16	C	Column	Vertical	Metal	Tan/Beige	Defective	1.7	0.2	1.95	6.77	4/28/2015 12:20
51	Garage 17	C	Wall	--	Brick	Yellow	Intact	0.0	0.0	1.6	7.84	4/28/2015 12:22
52	Garage 14	--	Soffit	By Roof	Concrete	White	Intact	0.0	0.0	1	4.67	4/28/2015 12:28
53	Garage 14	C	Garage Door Frame	Lintil	Metal	Tan/Beige	Intact	1.9	0.3	2.56	5.72	4/28/2015 12:32
54	Garage 10	C	Garage Door Frame	Vertical	Metal	Tan/Beige	Defective	1.3	0.2	2.4	8.85	4/28/2015 12:35
55	Office	C	Door	Office Area	Metal	Brown and Red	Defective	0.4	0.1	1.63	5.18	4/28/2015 12:38
56	Office	C	Door	Casing	Metal	Brown and Red	Defective	2.4	0.3	2.66	5.71	4/28/2015 12:40
57	Office	C	Wall	--	Transite	Tan/Beige	Defective	2.3	0.3	2.82	5.72	4/28/2015 12:42
58	Garage 1	D	Garage	Vertical Frame	Metal	Tan/Beige	Defective	0.0	0.0	3.53	6.25	4/28/2015 12:45
59	Garage 1	D	Door	--	Metal	Brown	Intact	0.0	0.0	1	5.23	4/28/2015 12:46
60	Garage 1	D	Wall	--	Brick	Yellow	Intact	0.0	0.0	4.2	7.77	4/28/2015 12:47
61	Garage 1	A	Wall	Downspout	Metal	Brown	Intact	0.0	0.0	1.83	6.24	4/28/2015 12:49
62	Office Area	A	Door	--	Metal	Brown	Intact	0.0	0.0	1	5.2	4/28/2015 12:51
63	Office Area	A	Door	Lintil	Metal	Brown	Defective	2.3	0.4	3.64	5.72	4/28/2015 12:52
64	Office Area	A	Door	Casing	Metal	Brown	Intact	0.0	0.0	1.09	5.18	4/28/2015 12:53
65	Garage 15	A	Wall	Downspout	Metal	Brown	Intact	0.0	0.0	1	5.72	4/28/2015 12:55
66	Exterior	A	Gasoline Pump	--	Metal	Yellow	Defective	0.4	0.1	1	5.72	4/28/2015 12:58
67	Exterior	A	Post	Next to Gas Pump	Concrete	Yellow	Intact	0.0	0.0	1	5.69	4/28/2015 13:01
68	Exterior	C	Garage Door Frame	Lintil	Metal	Tan/Beige	Defective	2.5	0.3	2.58	5.7	4/28/2015 13:08
69	0.3 calibration	--	--	--	--	--	--	0.3	0.0	1	8.31	4/28/2015 13:12
70	1.6 calibration	--	--	--	--	--	--	1.5	0.1	1.1	5.7	4/28/2015 13:13
71	Shutter calibration	--	--	--	--	--	--	2.9	0.2	1.22	15.09	4/28/2015 13:13
72	0.6 calibration	--	--	--	--	--	--	0.6	0.1	1.04	17.69	4/28/2015 13:14
73	0.6 calibration	--	--	--	--	--	--	0.6	0.1	1.04	12.97	4/28/2015 13:14

Lead paint includes paint found to contain any detectable amount of lead by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

Side A = Street side; Sides B, C, D follow clockwise

APPENDIX J

**COMPOSITE BUILDING MATERIAL
WASTE CHARACTERIZATION DATA**

80 Lupes Drive
Stratford, CT 06615



Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

Client: Mr. Hilton Hernandez
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET# 5050318

Report Date: May 15, 2015
Project: CTDOT, Occum Maintenance Facility
Project Number: 183572.5084.0710

Connecticut Laboratory Certificate: PH 0116
Massachusetts laboratory Certificate: M-CT903



New York Certification: 11982
Rhode Island Certification: 199

CET #: 5050318

Project: CTDOT, Occum Maintenance Facility

Project Number: 183572.5084.0710

SAMPLE SUMMARY

The sample(s) were received at 18.3°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
01	5050318-01	Solid	5/13/2015 14:00	05/14/2015
02	5050318-02	Solid	5/13/2015 14:10	05/14/2015

Analyte: Total Lead [EPA 6010C]

Analyst: SS

Prep: EPA 3050B

Matrix: Solid

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
5050318-02	02	ND	0.10	%	1	B5E1511	05/15/2015	05/15/2015 14:46	

Analyte: SPLP Lead [EPA 6010C]

Analyst: SS

Prep: EPA 3005A-1312

Matrix: Extract

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
5050318-02	02	ND	0.013	mg/L	1	B5E1526	05/15/2015	05/15/2015 14:55	

Analyte: TCLP Lead [EPA 6010C]

Analyst: SS

Prep: EPA 3005A-1311

Matrix: Extract

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
5050318-01	01	0.082	0.013	mg/L	1	B5E1525	05/15/2015	05/15/2015 15:04	

CET #: 5050318

Project: CTDOT, Occum Maintenance Facility

Project Number: 183572.5084.0710

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,



David Ditta
Laboratory Director

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- + - The Surrogate was diluted out.
- *C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- *C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- *F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- *F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- I- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at the specified detection limit

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

CET # : 5050318

Project: CTDOT, Occum Maintenance Facility

Project Number: 183572.5084.0710

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
<i>EPA 6010C in Soil</i>	
Lead	CT,NY
Lead	CT,NY
<i>EPA 6010C in Solid</i>	
Lead	CT

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2016
NY	New York Certification (NELAC)	11982	04/01/2015

APPENDIX K

PCB CAULK LABORATORY ANALYSIS DATA



Tuesday, May 19, 2015

Attn: Hilton Hernandez
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
Sample ID#s: BJ14867 - BJ14910

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

PROJECT NUMBER
183572-5084-00710

PROJECT NAME
CT-DOT
Occum Maintenance Facility

SIGNATURE
Hilton Hernandez

INSPECTOR
Hilton Hernandez

LAB ID #.

TURNAROUND TIME					
PCB	24hr	48hr	3day	3day	5day
					X
	24hr	48hr	3day	3day	5day

PARAMETERS

PCB 8082/3540

FIELD SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION	PCB 8082/3540	PARAMETERS	NOTES
			COM	GR				
01	04/30/15	1015	X	X	Roof chimney	X		FL1 - gray flashing sealant
02	04/30/15	1017	X	X	Roof chimney	X		FL1 - gray flashing sealant
03	04/30/15	1020	X	X	Roof chimney	X		FL1 - gray flashing sealant
04	04/30/15	1240	X	X	Roof	X		JS1 - brown aluminum fascia joint sealant
05	04/30/15	1242	X	X	Roof	X		JS1 - brown aluminum fascia joint sealant
06	04/30/15	1245	X	X	Roof	X		JS1 - brown aluminum fascia joint sealant
07	04/30/15	1045	X	X	Roof gutter	X		JS2 - white gutter joint sealant
08	04/30/15	1047	X	X	Roof gutter	X		JS2 - white gutter joint sealant
09	04/30/15	1048	X	X	Roof gutter	X		JS2 - white gutter joint sealant
10	04/30/15	1300	X	X	Front entry exterior	X		JS3 - exterior column sealant gray
11	04/30/15	1303	X	X	Front entry exterior	X		JS3 - exterior column sealant gray
12	04/30/15	1308	X	X	Front entry exterior	X		JS3 - exterior column sealant gray
13	04/30/15	1322	X	X	Exterior office a/c unit	X		JS4 - fan/clear sealant

14807
14808
14809
14870
14871
14872
14873
14874
14875
14876
14877
14878
14879

Relinquished by: (Signature) <i>Hilton Hernandez</i>	Date: 05/11/15	Relinquished by: (Signature) <i>A. Parkins</i>	Date: 5/11/15
(Printed) Hilton Hernandez	Time:	(Printed) A. Parkins	Time: 1735
Remarks: CT - RCP Cert, Data Format - PDF, Data Package - Phoenix Sid Report		Received by: (Signature) <i>Christine Paradise</i>	
		Received by: (Signature) <i>Christine Paradise</i>	

14th WJCTIF
Edition: September 2007
Supersede Previous Edition



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

CHAIN OF CUSTODY

FIELD SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION	PROJECT NAME CT-DOT Occum Maintenance Facility	INSPECTOR Hilton Hernandez	PARAMETERS	TURNAROUND TIME					NOTES	
			COM	GRS					PCB	24hr	48hr	3day	5day		
14	04/30/15	1323	X	X	Exterior office a/c unit	PCB 8082/3540								14880	
15	04/30/15	1324	X	X	Exterior office a/c unit										14881
16	05/01/15	1006	X	X	Exterior bay 2										14882
17	05/01/15	1019	X	X	Exterior bay 4										14883
18	05/01/15	1027	X	X	Exterior bay 7										14884
19	05/01/15	1055	X	X	Exterior bay 6										14885
20	05/01/15	1100	X	X	Exterior bay 4										14886
21	05/01/15	1105	X	X	Exterior bay 2										14887
22	05/01/15	1110	X	X	Exterior bay 1										14888
23	05/01/15	1115	X	X	Exterior bay 8										14889
24	05/01/15	1120	X	X	Exterior bay 14										14890
25	04/30/15	1427	X	X	Bay 4										14891
26	04/30/15	1432	X	X	Bay 1										14892

Relinquished by: (Signature) 	Received by: (Signature) 	Date: 05/11/15	Date: 5/11/15
(Printed) Hilton Hernandez	(Printed) A. Parkins	Time:	Time: 1735
Remarks: CT - RCP Cert, Data Format - PDF, Data Package - Phoenix Std Report		Received by: (Signature) 	
		(Printed) Christine Paradise	



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

04/30/15 10:15
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14867

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 01

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PPW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	98		%	5	05/12/15	AW	30 - 150 %
% TCMX	84		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

04/30/15 10:17
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14868

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 02

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PPW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	99		%	5	05/12/15	AW	30 - 150 %
% TCMX	86		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

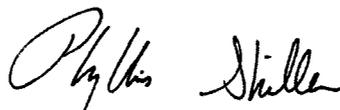
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date

04/30/15
 05/11/15

Time

10:20
 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14869

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 03

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PP/W	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A

QA/QC Surrogates

% DCBP	95		%	5	05/12/15	AW	30 - 150 %
% TCMX	81		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 04/30/15 12:40
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14870

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 04

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PP/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	6	mg/Kg	20	05/14/15	AW	SW8082A
PCB-1221	ND	6	mg/Kg	20	05/14/15	AW	SW8082A
PCB-1232	ND	6	mg/Kg	20	05/14/15	AW	SW8082A
PCB-1242	ND	6	mg/Kg	20	05/14/15	AW	SW8082A
PCB-1248	ND	6	mg/Kg	20	05/14/15	AW	SW8082A
PCB-1254	ND	6	mg/Kg	20	05/14/15	AW	SW8082A
PCB-1260	ND	6	mg/Kg	20	05/14/15	AW	SW8082A
PCB-1262	ND	6	mg/Kg	20	05/14/15	AW	SW8082A
PCB-1268	ND	6	mg/Kg	20	05/14/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	32		%	20	05/14/15	AW	30 - 150 %
% TCMX	30		%	20	05/14/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

PCB Comment:

For PCBs, due to matrix interference from non target compounds in the sample an elevated RL was reported. Multiple cleanup steps were performed but were unsuccessful. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florasil.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 04/30/15 12:42
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14871

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 05

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/14/15	PPW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	8.5	mg/Kg	25	05/15/15	AW	SW8082A
PCB-1221	ND	8.5	mg/Kg	25	05/15/15	AW	SW8082A
PCB-1232	ND	8.5	mg/Kg	25	05/15/15	AW	SW8082A
PCB-1242	ND	8.5	mg/Kg	25	05/15/15	AW	SW8082A
PCB-1248	ND	8.5	mg/Kg	25	05/15/15	AW	SW8082A
PCB-1254	ND	8.5	mg/Kg	25	05/15/15	AW	SW8082A
PCB-1260	ND	8.5	mg/Kg	25	05/15/15	AW	SW8082A
PCB-1262	ND	8.5	mg/Kg	25	05/15/15	AW	SW8082A
PCB-1268	ND	8.5	mg/Kg	25	05/15/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	30		%	25	05/15/15	AW	30 - 150 %
% TCMX	24		%	25	05/15/15	AW	30 - 150 %

3

Client ID: 05

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

PCB Comment:

For PCBs, due to matrix interference from non target compounds in the sample an elevated RL was reported. Multiple cleanup steps were performed but were unsuccessful. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil. Poor surrogate recovery was observed.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 04/30/15 12:45
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14872

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 06

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PPW	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	3.1	mg/Kg	10	05/14/15	AW	SW8082A
PCB-1221	ND	3.1	mg/Kg	10	05/14/15	AW	SW8082A
PCB-1232	ND	3.1	mg/Kg	10	05/14/15	AW	SW8082A
PCB-1242	ND	3.1	mg/Kg	10	05/14/15	AW	SW8082A
PCB-1248	ND	3.1	mg/Kg	10	05/14/15	AW	SW8082A
PCB-1254	ND	3.1	mg/Kg	10	05/14/15	AW	SW8082A
PCB-1260	ND	3.1	mg/Kg	10	05/14/15	AW	SW8082A
PCB-1262	ND	3.1	mg/Kg	10	05/14/15	AW	SW8082A
PCB-1268	ND	3.1	mg/Kg	10	05/14/15	AW	SW8082A

QA/QC Surrogates

% DCBP	23		%	10	05/14/15	AW	30 - 150 %	3
% TCMX	17		%	10	05/14/15	AW	30 - 150 %	3

Client ID: 06

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

3 = This parameter exceeds laboratory specified limits.

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

PCB Comment:

For PCBs, due to matrix interference from non target compounds in the sample an elevated RL was reported. Multiple cleanup steps were performed but were unsuccessful. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisil. Poor surrogate recovery was observed.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date

04/30/15 10:45
 05/11/15 17:35

Time

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14873

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 07

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PPW	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A

QA/QC Surrogates

% DCBP	95		%	5	05/12/15	AW	30 - 150 %
% TCMX	78		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

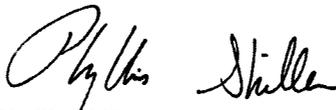
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

04/30/15 10:47
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14874

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 08

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PP/W	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.76	mg/Kg	5	05/12/15	AW	SW8082A

QA/QC Surrogates

% DCBP	97		%	5	05/12/15	AW	30 - 150 %
% TCMX	83		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

04/30/15 10:48
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14875

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 09

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PPW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	98		%	5	05/12/15	AW	30 - 150 %
% TCMX	83		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 04/30/15 13:00
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14876

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 10

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PP/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	93		%	5	05/12/15	AW	30 - 150 %
% TCMX	75		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date

04/30/15 13:03
 05/11/15 17:35

Time

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14877

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 11

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PP/W	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A

QA/QC Surrogates

% DCBP	105		%	5	05/12/15	AW	30 - 150 %
% TCMX	91		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

04/30/15 13:08
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14878

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 12

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PPW	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.77	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.77	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.77	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.77	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.77	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.77	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.77	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.77	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.77	mg/Kg	5	05/12/15	AW	SW8082A

QA/QC Surrogates

% DCBP	83		%	5	05/12/15	AW	30 - 150 %
% TCMX	83		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

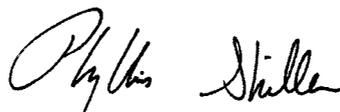
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 04/30/15 13:22
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14879

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 13

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PPW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	75		%	5	05/12/15	AW	30 - 150 %
% TCMX	78		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

04/30/15 13:23
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14880

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 14

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PP/W	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.75	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.75	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.75	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.75	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.75	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.75	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.75	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.75	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.75	mg/Kg	5	05/12/15	AW	SW8082A

QA/QC Surrogates

% DCBP	77		%	5	05/12/15	AW	30 - 150 %
% TCMX	79		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

04/30/15 13:24
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14881

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 15

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PP/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	75		%	5	05/12/15	AW	30 - 150 %
% TCMX	73		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

04/30/15 10:06
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14882

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 16

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PP/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.83	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1221	ND	0.83	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1232	ND	0.83	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1242	ND	0.83	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1248	ND	0.83	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1254	ND	0.83	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1260	ND	0.83	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1262	ND	0.83	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1268	ND	0.83	mg/Kg	5	05/13/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	79		%	5	05/13/15	AW	30 - 150 %
% TCMX	67		%	5	05/13/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

04/30/15 10:19
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14883

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 17

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PPW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.82	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1221	ND	0.82	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1232	ND	0.82	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1242	ND	0.82	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1248	ND	0.82	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1254	ND	0.82	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1260	ND	0.82	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1262	ND	0.82	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1268	ND	0.82	mg/Kg	5	05/13/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	87		%	5	05/13/15	AW	30 - 150 %
% TCMX	77		%	5	05/13/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date

04/30/15
 05/11/15

Time

10:27
 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14884

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 18

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PP/W	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.73	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1221	ND	0.73	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1232	ND	0.73	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1242	ND	0.73	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1248	ND	0.73	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1254	ND	0.73	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1260	ND	0.73	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1262	ND	0.73	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1268	ND	0.73	mg/Kg	5	05/13/15	AW	SW8082A

QA/QC Surrogates

% DCBP	82		%	5	05/13/15	AW	30 - 150 %
% TCMX	72		%	5	05/13/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date

04/30/15
 05/11/15

Time

10:55
 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14885

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 19

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PPW	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.83	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.83	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.83	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.83	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.83	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.83	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.83	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.83	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.83	mg/Kg	5	05/12/15	AW	SW8082A

QA/QC Surrogates

% DCBP	73		%	5	05/12/15	AW	30 - 150 %
% TCMX	80		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date

04/30/15 11:00
 05/11/15 17:35

Time

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14886

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 20

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PP/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	75		%	5	05/12/15	AW	30 - 150 %
% TCMX	83		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

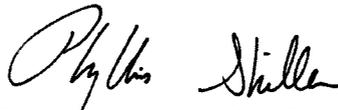
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information

Matrix: SOLID
Location Code: TRC-PCBDAS
Rush Request: 72 Hour
P.O.#: 183572-5084-00710

Custody Information

Collected by:
Received by: B
Analyzed by: see "By" below

Date Time

04/30/15 11:05
05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
Phoenix ID: BJ14887

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
Client ID: 21

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	90		%	5	05/12/15	AW	30 - 150 %
% TCMX	84		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 04/30/15 11:10
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14888

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 22

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	95		%	5	05/12/15	AW	30 - 150 %
% TCMX	85		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

04/30/15 11:15
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14889

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 23

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQ/W	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.8	mg/Kg	5	05/12/15	AW	SW8082A

QA/QC Surrogates

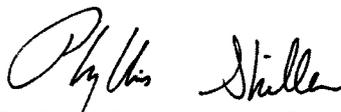
% DCBP	94		%	5	05/12/15	AW	30 - 150 %
% TCMX	88		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 04/30/15 11:20
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14890

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 24

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQ/W	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.74	mg/Kg	5	05/12/15	AW	SW8082A

QA/QC Surrogates

% DCBP	94		%	5	05/12/15	AW	30 - 150 %
% TCMX	89		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date

04/30/15 14:27
 05/11/15 17:35

Time

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14891

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 25

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQ/W	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A

QA/QC Surrogates

% DCBP	75		%	5	05/12/15	AW	30 - 150 %
% TCMX	75		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 04/30/15 14:32
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14892

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 26

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQ/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	97		%	5	05/12/15	AW	30 - 150 %
% TCMX	80		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 04/30/15 14:35
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14893

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 27

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.71	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.71	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.71	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.71	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.71	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.71	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.71	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.71	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.71	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	94		%	5	05/12/15	AW	30 - 150 %
% TCMX	76		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 04/30/15 12:10
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14894

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 28

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQ/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	105		%	5	05/12/15	AW	30 - 150 %
% TCMX	79		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date

04/30/15 14:42
 05/11/15 17:35

Time

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14895

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 29

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQ/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.84	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.84	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.84	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.84	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.84	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.84	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.84	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.84	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.84	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	91		%	5	05/12/15	AW	30 - 150 %
% TCMX	83		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 04/30/15 14:48
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14896

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 30

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQ/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.32	mg/Kg	2	05/12/15	AW	SW8082A
PCB-1221	ND	0.32	mg/Kg	2	05/12/15	AW	SW8082A
PCB-1232	ND	0.32	mg/Kg	2	05/12/15	AW	SW8082A
PCB-1242	ND	0.32	mg/Kg	2	05/12/15	AW	SW8082A
PCB-1248	ND	0.32	mg/Kg	2	05/12/15	AW	SW8082A
PCB-1254	ND	0.32	mg/Kg	2	05/12/15	AW	SW8082A
PCB-1260	ND	0.32	mg/Kg	2	05/12/15	AW	SW8082A
PCB-1262	ND	0.32	mg/Kg	2	05/12/15	AW	SW8082A
PCB-1268	ND	0.32	mg/Kg	2	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	35		%	2	05/12/15	AW	30 - 150 %
% TCMX	34		%	2	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

04/30/15 15:00
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14897

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 31

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQ/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.82	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	88		%	5	05/12/15	AW	30 - 150 %
% TCMX	78		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 05/01/15 11:56
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14898

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 32

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.32	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1221	ND	0.32	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1232	ND	0.32	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1242	ND	0.32	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1248	ND	0.32	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1254	ND	0.32	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1260	ND	0.32	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1262	ND	0.32	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1268	ND	0.32	mg/Kg	2	05/13/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	36		%	2	05/13/15	AW	30 - 150 %
% TCMX	32		%	2	05/13/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 04/30/15 15:14
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14899

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 33

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQW	SW3540C
PCB (Soxhlet SW3540C)							
PCB-1016	ND	0.72	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.72	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.72	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.72	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.72	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.72	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.72	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.72	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.72	mg/Kg	5	05/12/15	AW	SW8082A
QA/QC Surrogates							
% DCBP	89		%	5	05/12/15	AW	30 - 150 %
% TCMX	82		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 05/01/15 14:15
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14900

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 34

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQ/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.67	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1221	ND	0.67	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1232	ND	0.67	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1242	ND	0.67	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1248	ND	0.67	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1254	ND	0.67	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1260	ND	0.67	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1262	ND	0.67	mg/Kg	2	05/13/15	AW	SW8082A
PCB-1268	ND	0.67	mg/Kg	2	05/13/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	70		%	2	05/13/15	AW	30 - 150 %
% TCMX	51		%	2	05/13/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

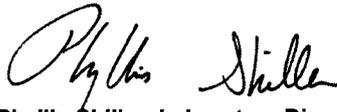
PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florasil.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

05/01/15 13:23
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14901

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 35

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/12/15	QPW	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.87	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1221	ND	0.87	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1232	ND	0.87	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1242	ND	0.87	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1248	ND	0.87	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1254	ND	0.87	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1260	ND	0.87	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1262	ND	0.87	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1268	ND	0.87	mg/Kg	5	05/14/15	AW	SW8082A

QA/QC Surrogates

% DCBP	92		%	5	05/14/15	AW	30 - 150 %
% TCMX	80		%	5	05/14/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date

05/01/15 13:25
 05/11/15 17:35

Time

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14902

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 36

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/12/15	QPW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.75	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1221	ND	0.75	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1232	ND	0.75	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1242	ND	0.75	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1248	ND	0.75	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1254	ND	0.75	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1260	0.93	0.75	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1262	ND	0.75	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1268	ND	0.75	mg/Kg	5	05/14/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	96		%	5	05/14/15	AW	30 - 150 %
% TCMX	81		%	5	05/14/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

05/01/15 13:29
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14903

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 37

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/12/15	QP/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.83	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1221	ND	0.83	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1232	ND	0.83	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1242	ND	0.83	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1248	ND	0.83	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1254	ND	0.83	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1260	ND	0.83	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1262	ND	0.83	mg/Kg	5	05/14/15	AW	SW8082A
PCB-1268	ND	0.83	mg/Kg	5	05/14/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	86		%	5	05/14/15	AW	30 - 150 %
% TCMX	70		%	5	05/14/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date

05/01/15 13:35
 05/11/15 17:35

Time

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14904

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 38

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.81	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	92		%	5	05/12/15	AW	30 - 150 %
% TCMX	81		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

05/01/15 13:40
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14905

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 39

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQW	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.91	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.91	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.91	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.91	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.91	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.91	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.91	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.91	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.91	mg/Kg	5	05/12/15	AW	SW8082A

QA/QC Surrogates

% DCBP	83		%	5	05/12/15	AW	30 - 150 %
% TCMX	76		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

05/01/15 13:45
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14906

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 40

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	QQ/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.79	mg/Kg	5	05/12/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	79		%	5	05/12/15	AW	30 - 150 %
% TCMX	70		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

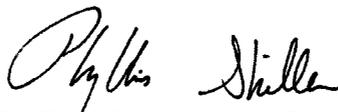
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 05/01/15 15:14
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14907

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 41

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PQW	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.77	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1221	ND	0.77	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1232	ND	0.77	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1242	ND	0.77	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1248	ND	0.77	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1254	ND	0.77	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1260	ND	0.77	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1262	ND	0.77	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1268	ND	0.77	mg/Kg	5	05/13/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	97		%	5	05/13/15	AW	30 - 150 %
% TCMX	85		%	5	05/13/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date

05/01/15 15:05
 05/11/15 17:35

Time

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14908

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 42

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PQ/W	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1221	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1232	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1242	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1248	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1254	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1260	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1262	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A
PCB-1268	ND	0.78	mg/Kg	5	05/12/15	AW	SW8082A

QA/QC Surrogates

% DCBP	99		%	5	05/12/15	AW	30 - 150 %
% TCMX	70		%	5	05/12/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time

05/01/15 15:08
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14909

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 43

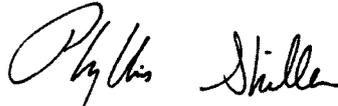
Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PQ/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.76	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1221	ND	0.76	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1232	ND	0.76	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1242	ND	0.76	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1248	ND	0.76	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1254	ND	0.76	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1260	ND	0.76	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1262	ND	0.76	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1268	ND	0.76	mg/Kg	5	05/13/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	94		%	5	05/13/15	AW	30 - 150 %
% TCMX	69		%	5	05/13/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report

May 19, 2015

FOR: Attn: Hilton Hernandez
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-PCBDAS
 Rush Request: 72 Hour
 P.O.#: 183572-5084-00710

Custody Information

Collected by:
 Received by: B
 Analyzed by: see "By" below

Date Time
 05/01/15 15:16
 05/11/15 17:35

Laboratory Data

SDG ID: GBJ14867
 Phoenix ID: BJ14910

Project ID: CT DOT OCCUM MAINTENANCE FACILITY
 Client ID: 44

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		05/11/15		SW846-%Solid
Caulk Extraction for PCB	Completed				05/11/15	PQ/W	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.79	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1221	ND	0.79	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1232	ND	0.79	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1242	ND	0.79	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1248	ND	0.79	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1254	ND	0.79	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1260	ND	0.79	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1262	ND	0.79	mg/Kg	5	05/13/15	AW	SW8082A
PCB-1268	ND	0.79	mg/Kg	5	05/13/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	93		%	5	05/13/15	AW	30 - 150 %
% TCMX	73		%	5	05/13/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.
If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

May 19, 2015

Reviewed and Released by: Rashmi Makol, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report
 May 19, 2015

QA/QC Data

SDG I.D.: GBJ14867

Parameter	Blk		LCS %	LCS %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
QA/QC Batch 307543 (mg/Kg), QC Sample No: BJ14867 10X (BJ14867, BJ14868, BJ14869, BJ14870, BJ14871, BJ14872, BJ14873, BJ14874, BJ14875, BJ14876, BJ14877, BJ14878, BJ14879, BJ14880, BJ14881, BJ14882, BJ14883, BJ14884, BJ14885, BJ14886)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	0.17	83	91	9.2				40 - 140	30
PCB-1221	ND	0.17							40 - 140	30
PCB-1232	ND	0.17							40 - 140	30
PCB-1242	ND	0.17							40 - 140	30
PCB-1248	ND	0.17							40 - 140	30
PCB-1254	ND	0.17							40 - 140	30
PCB-1260	ND	0.17	86	91	5.6				40 - 140	30
PCB-1262	ND	0.17							40 - 140	30
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	109	%	105	107	1.9				30 - 150	30
% TCMX (Surrogate Rec)	90	%	77	87	12.2				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 307544 (mg/Kg), QC Sample No: BJ14887 10X (BJ14887, BJ14888, BJ14889, BJ14890, BJ14891, BJ14892, BJ14893, BJ14894, BJ14895, BJ14896, BJ14897, BJ14898, BJ14899, BJ14900, BJ14901, BJ14902, BJ14903, BJ14904, BJ14905, BJ14906)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	0.17	84	81	3.6				40 - 140	30
PCB-1221	ND	0.17							40 - 140	30
PCB-1232	ND	0.17							40 - 140	30
PCB-1242	ND	0.17							40 - 140	30
PCB-1248	ND	0.17							40 - 140	30
PCB-1254	ND	0.17							40 - 140	30
PCB-1260	ND	0.17	86	86	0.0				40 - 140	30
PCB-1262	ND	0.17							40 - 140	30
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	112	%	94	92	2.2				30 - 150	30
% TCMX (Surrogate Rec)	105	%	91	85	6.8				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 307548 (mg/Kg), QC Sample No: BJ14907 10X (BJ14907, BJ14908, BJ14909, BJ14910)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	0.17	84	88	4.7				40 - 140	30
PCB-1221	ND	0.17							40 - 140	30
PCB-1232	ND	0.17							40 - 140	30
PCB-1242	ND	0.17							40 - 140	30
PCB-1248	ND	0.17							40 - 140	30
PCB-1254	ND	0.17							40 - 140	30
PCB-1260	ND	0.17	91	91	0.0				40 - 140	30
PCB-1262	ND	0.17							40 - 140	30

QA/QC Data

SDG I.D.: GBJ14867

Parameter	Blank	Blk RL	LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	96	%	100	96	4.1				30 - 150	30
% TCMX (Surrogate Rec)	81	%	80	84	4.9				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference

LCS - Laboratory Control Sample

LCSD - Laboratory Control Sample Duplicate

MS - Matrix Spike

MS Dup - Matrix Spike Duplicate

NC - No Criteria

Intf - Interference



Phyllis Shiller, Laboratory Director

May 19, 2015

Tuesday, May 19, 2015

Criteria: None

State: CT

SampNo Acode Phoenix Analyte

Criteria

Result

RL

Criteria

RL
Criteria

Analysis
Units

Sample Criteria Exceedences Report

GBJ14867 - TRC-PCBDAS

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.

Reasonable Confidence Protocol Laboratory Analysis QA/QC Certification Form

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: CT DOT OCCUM MAINTENANC **Project Number:**

Laboratory Sample ID(s): BJ14867, BJ14868, BJ14869, BJ14870, BJ14871, BJ14872, BJ14873, BJ14874, BJ14875, BJ14876, BJ14877, BJ14878, BJ14879, BJ14880, BJ14881, BJ14882, BJ14883, BJ14884, BJ14885, BJ14886, BJ14887, BJ14888, BJ14889, BJ14890, BJ14891, BJ14892, BJ14893, BJ14894, BJ14895, BJ14896, BJ14897, BJ14898, BJ14899, BJ14900, BJ14901, BJ14902, BJ14903, BJ14904, BJ14905, BJ14906, BJ14907, BJ14908, BJ14909, BJ14910

Sampling Date(s): 4/30/2015, 5/1/2015

RCP Methods Used:

1311/1312 6010 7000 7196 7470/7471 8081 EPH TO15
 8082 8151 8260 8270 ETPH 9010/9012 VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized
Signature:

Rashmi Makol

Date: Tuesday, May 19, 2015

Printed Name: Rashmi Makol

Position: Project Manager

Nov 2007



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

May 19, 2015

SDG I.D.: GBJ14867

Temperature above 6C:
The samples were received in a cooler with ice packs. No bias is suspected for this analysis.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 05/12/15-1 (BJ14867, BJ14868, BJ14869, BJ14873, BJ14875, BJ14876, BJ14877, BJ14887, BJ14888, BJ14892, BJ14893, BJ14894, BJ14903, BJ14908, BJ14909, BJ14910)

The initial calibration (PC504AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC504BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 5/12/2015

Instrument: Au-ecd1 05/14/15-1 (BJ14901, BJ14902, BJ14903)

The initial calibration (PC504AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC504BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 5/14/2015

Instrument: Au-ecd1 05/15/15-1 (BJ14871)

The initial calibration (PC504AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC504BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 5/15/2015



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

May 19, 2015

SDG I.D.: GBJ14867

Instrument: Au-ecd24 05/12/15-1 (BJ14874, BJ14889, BJ14890, BJ14895, BJ14896, BJ14897, BJ14898, BJ14899, BJ14901, BJ14902, BJ14904, BJ14905, BJ14906, BJ14907)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none
The initial calibration (PC508AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC508BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 5/12/2015

Instrument: Au-ecd3 05/14/15-1 (BJ14870, BJ14872)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none
The initial calibration (PC326AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC326BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 5/14/2015

Instrument: Au-ecd48 05/12/15-1 (BJ14878, BJ14879, BJ14880, BJ14881, BJ14885, BJ14886, BJ14887, BJ14891)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none
The initial calibration (PC511AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC511BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

May 19, 2015

SDG I.D.: GBJ14867

Printed Name Adam Werner
Position: Chemist
Date: 5/12/2015

Instrument: Au-ecd48 05/13/15-1 (BJ14870, BJ14871, BJ14872, BJ14882, BJ14883, BJ14884, BJ14900)

8082 Narration:

The initial calibration RSD for the compound list was less than 15% except for the following compounds: none

The continuing calibration standards were within acceptance criteria except for the following compounds: none The initial calibration (PC511AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC511BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds:None.

Printed Name Adam Werner
Position: Chemist
Date: 5/13/2015

QC Comments: QC Batch 307543 05/11/15 (BJ14867, BJ14868, BJ14869, BJ14870, BJ14871, BJ14872, BJ14873, BJ14874, BJ14875, BJ14876, BJ14877, BJ14878, BJ14879, BJ14880, BJ14881, BJ14882, BJ14883, BJ14884, BJ14885, BJ14886)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 307544 05/11/15 (BJ14887, BJ14888, BJ14889, BJ14890, BJ14891, BJ14892, BJ14893, BJ14894, BJ14895, BJ14896, BJ14897, BJ14898, BJ14899, BJ14900, BJ14901, BJ14902, BJ14903, BJ14904, BJ14905, BJ14906)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 307548 05/11/15 (BJ14907, BJ14908, BJ14909, BJ14910)

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

May 19, 2015

SDG I.D.: GBJ14867

QC (Site Specific)

----- Sample No: BJ14867, QA/QC Batch: 307543 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BJ14887, QA/QC Batch: 307544 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

----- Sample No: BJ14907, QA/QC Batch: 307548 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

The samples were received at 14C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)



Wednesday, July 08, 2015

Attn: Mr Steve Arienti
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: OCCUM MF GARAGE
Sample ID#s: BJ40616

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

A handwritten signature in cursive script that reads "Phyllis Shiller".

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B

NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 July 08, 2015

FOR: Attn: Mr Steve Arienti
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: SOLID
 Location Code: TRC-DAS
 Rush Request: 72 Hour
 P.O.#: C-183572

Custody Information

Collected by:
 Received by: LK
 Analyzed by: see "By" below

Date Time
 07/02/15 11:30
 07/02/15 12:53

Laboratory Data

SDG ID: GBJ40616
 Phoenix ID: BJ40616

Project ID: OCCUM MF GARAGE
 Client ID: 1

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100		%		07/02/15	II	SW846-%Solid
Extraction for PCB	Completed				07/02/15	PP/UX	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.72	mg/Kg	5	07/06/15	AW	SW8082A
PCB-1221	ND	0.72	mg/Kg	5	07/06/15	AW	SW8082A
PCB-1232	ND	0.72	mg/Kg	5	07/06/15	AW	SW8082A
PCB-1242	ND	0.72	mg/Kg	5	07/06/15	AW	SW8082A
PCB-1248	ND	0.72	mg/Kg	5	07/06/15	AW	SW8082A
PCB-1254	ND	0.72	mg/Kg	5	07/06/15	AW	SW8082A
PCB-1260	ND	0.72	mg/Kg	5	07/06/15	AW	SW8082A
PCB-1262	ND	0.72	mg/Kg	5	07/06/15	AW	SW8082A
PCB-1268	ND	0.72	mg/Kg	5	07/06/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	93		%	5	07/06/15	AW	30 - 150 %
% TCMX	77		%	5	07/06/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
-----------	--------	------------	-------	----------	-----------	----	-----------

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

Comments:

PCB Comment:

For PCBs, in order to reach the desired RL, multiple cleanup steps were performed. The extract was cleaned up with a combination of sulfuric acid, potassium permanganate, copper powder and additional florisol.

All soils, solids and sludges are reported on a dry weight basis unless otherwise noted in the sample comments.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.
This report must not be reproduced except in full as defined by the attached chain of custody.



Phyllis Shiller, Laboratory Director

July 08, 2015

Reviewed and Released by: Sarah Bell, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

July 08, 2015

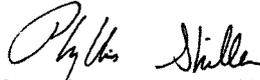
QA/QC Data

SDG I.D.: GBJ40616

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
QA/QC Batch 312567 (mg/Kg), QC Sample No: BJ40036 10X (BJ40616)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	0.17	81	87	7.1				40 - 140	30
PCB-1221	ND	0.17							40 - 140	30
PCB-1232	ND	0.17							40 - 140	30
PCB-1242	ND	0.17							40 - 140	30
PCB-1248	ND	0.17							40 - 140	30
PCB-1254	ND	0.17							40 - 140	30
PCB-1260	ND	0.17	84	92	9.1				40 - 140	30
PCB-1262	ND	0.17							40 - 140	30
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	106	%	105	114	8.2				30 - 150	30
% TCMX (Surrogate Rec)	81	%	92	98	6.3				30 - 150	30

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

- RPD - Relative Percent Difference
- LCS - Laboratory Control Sample
- LCSD - Laboratory Control Sample Duplicate
- MS - Matrix Spike
- MS Dup - Matrix Spike Duplicate
- NC - No Criteria
- Intf - Interference


 Phyllis Shiller, Laboratory Director
 July 08, 2015

Criteria: None

State: CT

Sample Criteria Exceedences Report

GBJ40616 - TRC-DAS

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
--------	-------	-----------------	----------	--------	----	----------	----------------	-------------------

*** No Data to Display ***

Phoenix Laboratories does not assume responsibility for the data contained in this report. It is provided as an additional tool to identify requested criteria exceedences. All efforts are made to ensure the accuracy of the data (obtained from appropriate agencies). A lack of exceedence information does not necessarily suggest conformance to the criteria. It is ultimately the site professional's responsibility to determine appropriate compliance.



**Reasonable Confidence Protocol
Laboratory Analysis QA/QC Certification Form**

Laboratory Name: Phoenix Environmental Labs, Inc. **Client:** TRC Environmental Corp.

Project Location: OCCUM MF GARAGE **Project Number:**

Laboratory Sample ID(s): BJ40616

Sampling Date(s): 7/2/2015

RCP Methods Used:

- 1311/1312 6010 7000 7196 7470/7471 8081 EPH TO15
 8082 8151 8260 8270 ETPH 9010/9012 VPH

1.	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the CT DEP method-specific Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1a.	Were the method specified preservation and holding time requirements met?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
1b.	EPH and VPH methods only: Was the VPH or EPH method conducted without significant modifications (see section 11.3 of respective RCP methods)	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
2.	Were all samples received by the laboratory in a condition consistent with that described on the associated Chain-of-Custody document(s)?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
3.	Were samples received at an appropriate temperature (< 6 Degrees C)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA
4.	Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
5a.	Were reporting limits specified or referenced on the chain-of-custody?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5b.	Were these reporting limits met?	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA
6.	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the Reasonable Confidence Protocol documents?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> NA
7.	Are project-specific matrix spikes and laboratory duplicates included in the data set?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA

Note: For all questions to which the response was "No" (with the exception of question #5a, #7), additional information must be provided in an attached narrative. If the answer to question #1, #1A or 1B is "No", the data package does not meet the requirements for "Reasonable Confidence".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete.

Authorized
Signature:

Ethan Lee

Date: Wednesday, July 08, 2015

Printed Name: Ethan Lee

Position: Project Manager



Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823



RCP Certification Report

July 08, 2015

SDG LD.: GBJ40616

Temperature above 6C:

The samples were delivered to the Laboratory within a short period of time after sample collection. Therefore no bias is suspected.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd6 07/06/15-1 (BJ40616)

The initial calibration (PC701A) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC701BI) RSD for the compound list was less than 20% except for the following compounds: None.

The continuing calibration %D for the compound list was less than 15% except for the following compounds: None.

Printed Name Adam Werner

Position: Chemist

Date: 7/6/2015

QC (Batch Specific)

----- Sample No: BJ40036, QA/QC Batch: 312567 -----

All LCS recoveries were within 40 - 140 with the following exceptions: None.

All LCSD recoveries were within 40 - 140 with the following exceptions: None.

All LCS/LCSD RPDs were less than 30% with the following exceptions: None.

Temperature Narration

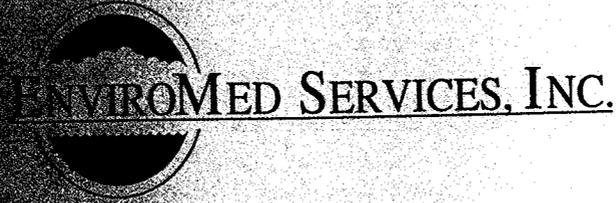
The samples were received at 23C with cooling initiated.

(Note acceptance criteria is above freezing up to 6°C)

APPENDIX L

2001 PRIOR INSPECTION REPORTS

2 Safety
2 R.2



**Asbestos Inspection Report
for
Department of Transportation
Occum Maintenance Garage
Building 81-175
Occum, Connecticut**

prepared for:

State of Connecticut
Department of Transportation

Revised

July 10 and 11, 2001

EnviroMed Project # IH-01-529

Revised

25 Science Park • New Haven, CT 06511
(203) 786-5580 • facsimile (203) 786-5579

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

m e m o r a n d u m

subject: Asbestos Removal

date: October 29, 2001

to: Property & Facilities Services Asbestos Book
Regional Office Asbestos Site Book
Regional Office Asbestos Book
Safety Asbestos Book
Safety Building Copy of Asbestos Book

from: David A. Hartley
Plant Facilities Engineer II
Property and Facilities Services
Bureau of Finance and Administration

The following asbestos material was abated at the Occum Maintenance Facility on or about August 2001. This abatement was performed by Petco under the attached purchase requisition # 584638.

- ◆ Approximately 1 SF of furnace sight door fire proof pad.
- ◆ Approximately 2 SF of warm air furnace burner gasket.
- ◆ Reference sample numbers: 79, 80, 81, 123, & 124.

Please file this in the appropriate asbestos book as noted above.

Attachment

DAH/dmm

cc: Joseph A. Pirolo – Daniel J. Smachetti – David A. Hartley

QUOTE NO QUOTE DTE CASH DISC TERM NET 45 N/A FOB PR NO: 584638 PO NO:

DELIVER TO: 2732 PROP & FACIL ADM DIV
 2800 BERLIN TURNPIKE
 NEWINGTON CT 06111
 ATTENTION OF: SALLY M. CORIATY
 PHONE: (860)594-2224 SEE BELOW: N ADDL. DOCS.: N
 FEIN: 061150675-01 PHONE: () -
 VENDOR PETCO INSULATION CO INC
 INFO 88 FARWELL ST
 PO BX 26127
 W HAVEN CT 06516

REQUISITION DATE: 071201
 DATE MTL REQD : 101201
 INV REQD BY :
 MATL USED FOR : PROPERTY & FACILITIE
 CONFIRMED WITH : Y
 CONFIRMED BY : DAN S.
 CONFIRMED DATE : 071201
 FULLY RECEIVED : N
 AUTHORIZATION NO:
 CONTRACT NO : 990-A-04-0483-C
 DPA :
 SP-10 NO :

LINE OCB DESCRIPTION ITM UNIT # UNITS UNIT PRICE AMOUNT

001 ASBESTOS ABATEMENT AT VARIOUS DOT EACH 20000.00 1.0000 20000.00
 LOCATIONS.

COMMITTED: 20000.00 OBLIGATED: 20000.00

REQUISITIONED BY: AJODHI APPROVAL LEVEL 1: PCRB 2: PCSC 3: 4: PIROLO
 APPROVED STORES: DATE: BUDGET: AJODHI DATE: 071701 PURCHASE: DATE:

OTC: LINE NO COMMITTED AMOUNT AGENCY FUND SID OBJECT FUNC ACT FY
 01 20000.00 5000 1201 007 10050 0000 02

DOT: RESV APP FUN UNIT TOWN PROJ ACT CLASS IT TYPE DESC F-PAR COMMITTED AMOUNT
 097042 028 278 2734 0170 2254 006 00522 N 20000.00

DRAFT COPY - DRAFT COPY
 END OF PR 584638

This is for Removal



**Asbestos Inspection Report
for
Department of Transportation
Occum Maintenance Garage
Building 81-175
Occum, Connecticut**

prepared for:

State of Connecticut
Department of Transportation

July 10 and 11, 2001

EnviroMed Project # IH-01-529

Revised

25 Science Park • New Haven, CT 06511
(203) 786-5580 • facsimile (203) 786-5579

TABLE OF CONTENTS

Section	Page
I. PROJECT NARRATIVE	1
Overview	1
Summary of Results.....	2
II. SAMPLE LOCATION DIAGRAMS.....	5
III. SAMPLE LOG AND RESULTS TABLE	9
IV. LABORATORY ANALYSIS SHEETS.....	15

I. PROJECT NARRATIVE

Overview

On July 10 and 11, 2001, a state-licensed inspector from EnviroMed Services, Inc. (EnviroMed) performed an inspection at the DOT Occum Maintenance Garage (Building #81-175), located in Occum, Connecticut. The purpose of this inspection was to identify the presence of asbestos in suspect building materials located in/on the building, so that any asbestos-containing material could be identified and removed prior to renovation.

Samples were collected according to 40 CFR Part 763.86 and 29 CFR Part 1926.1101, and analyzed using Polarized Light Microscopy (PLM).

A total of one hundred forty (140) bulk samples were collected. The materials sampled included: 12" gray mottled vinyl floor tile and mastic, 12" white/gray streaks vinyl floor tile and mastic, 2'x4' suspended ceiling tile with pinholes & worms, 2'x4' suspended ceiling tile with white fabric texture tan matrix, bituminous expansion joint, 4" black cove base and mastic, black chimney flashing, black patching cement, black roll roofing mastic, black roll roofing on top of rain cap, black roof cement bottom layer, white brick overhead door frame sealant, brown aluminum fascia joint sealant, brown column sealant, all layers of built-up roofing materials, column sealant, white corrugated fire door insulation, all layers of the edge flashing, electrical conduit exterior wall (south) sealant, expansion joint sealer, exterior door frame sealant, fiberglass insulated pipe wrap, fixed window glazing compound, warm air furnace sight door fire-proof pad, gray chimney flashing paper, two types of gray exterior window frame sealant, gray flashing sealant, gray interior window glazing compound, gray mortar, gray patching cement, two types of gypsum wallboard and associated joint compound, interior door frame sealant, mastic on foil backing of fiberglass warm air furnace insulation, white warm air furnace fire chamber liner, two types of metal door light glazing sealant, "Modine" unit heater burner gasket, "Modine" unit heater fire chamber liner, "Modine" unit heater heat exchanger access door insulation, red floor patch, red sealant along rain cap top, red wall coating, sink/wall sealant, tan/clear sealant around A/C unit window, transite panel sealant, transite panel, two types of gypsum ceiling board and associated joint compound and tape, two types of metal door glazing sealant, warm air furnace burner gasket, white exterior glazing compound, white gutter joint sealant, white plastic laminate, and interior and exterior wood door light glazing compound.

Refer to Section II, Bulk Sample Location Diagrams, for sample locations and identification.

Summary of Results

L.A. Testing, Inc.'s accredited asbestos laboratory (NVLAP #200232-0) analyzed the bulk samples. Section III presents the complete list of analytical results for samples collected. The following presents the locations and estimated quantities of materials found to contain asbestos greater than 1.0 percent.

Building Exterior

There is approximately 55 square feet of exterior white brick/overhead door frame sealant present, located around the frames of the overhead doors. This material was found to contain 3% asbestos.

There is approximately 60 square feet of gray exterior window frame sealant type I, distributed among 27 windows. This material was found to contain 2% asbestos.

There is approximately 4 square feet of exterior metal door type III light glazing sealant present on three doors. This material was found to contain 4% asbestos.

There is approximately 52 square feet of exterior column sealant present. This material was found to contain 2% asbestos.

There is approximately 60 square feet of exterior transite panel present. This material was found to contain 18-20% asbestos.

There is approximately 2 square feet of exterior and interior wood door light glazing compound on the main entrance door. This material was found to contain 3% asbestos.

There is approximately 2 square feet of exterior transite panel sealant located around transite panels. This material was found to contain 3% asbestos.

There is approximately 210 square feet of white exterior glazing compound present on 27 windows. This material was found to contain 2% asbestos.

Building Interior

There is approximately 80 square feet of white corrugated fire door insulation encased in two fire doors in the bays 4 and 13. This material was found to contain 90% asbestos.

There is approximately 4 square feet of metal door type II light glazing sealant present on one interior door in the break room. This material was found to contain 4% asbestos.

Boiler Room

There is approximately 1 square foot of warm air furnace sight door fire-proof pad located on the furnace. This material was found to contain 70% asbestos.

There is approximately 2 square feet of warm air furnace burner gasket present in the boiler room. This material was found to contain 15% asbestos.

Roof

There is approximately 30 square feet of all layers of chimney flashing applied around the chimney. This material was found to contain 7-10% asbestos.

There is approximately 55 square feet of black patching cement present around the chimney and roof canopy. This material was found to contain 10% asbestos.

There is approximately 2 square feet of gray patching cement present near the corners of the chimney and around two roof vents. This material was found to contain 7-10% asbestos.

See Section IV for a copy of the laboratory analysis sheets for the samples collected.

Non-Asbestos Containing Materials Found During the Inspection

The following materials were found to contain legally insignificant amounts (0-1 percent) of asbestos: 12" gray mottled vinyl floor tile and mastic, 12" white/gray streaks vinyl floor tile and mastic, 2'x4' suspended ceiling tile with pinholes & worms, 2'x4' suspended ceiling tile with white fabric texture tan matrix, bituminous expansion joint, 4" black cove base and mastic, black roll roofing mastic, black roll roofing on top of rain cap, black roof cement bottom layer, brown aluminum fascia joint sealant, all layers of built-up roofing materials, all layers of the edge flashing, electrical conduit exterior wall (south) sealant, expansion joint sealer, exterior door frame sealant, fiberglass insulated pipe wrap, fixed window glazing compound, gray chimney flashing paper, gray flashing sealant, gray interior window glazing compound, gray mortar, two types of gypsum wallboard and associated joint compound, interior door frame sealant, mastic on foil backing of fiberglass warm air furnace insulation, "Modine" furnace burner gasket, "Modine furnace fire chamber liner, "Modine furnace heat exchanger access door insulation, red

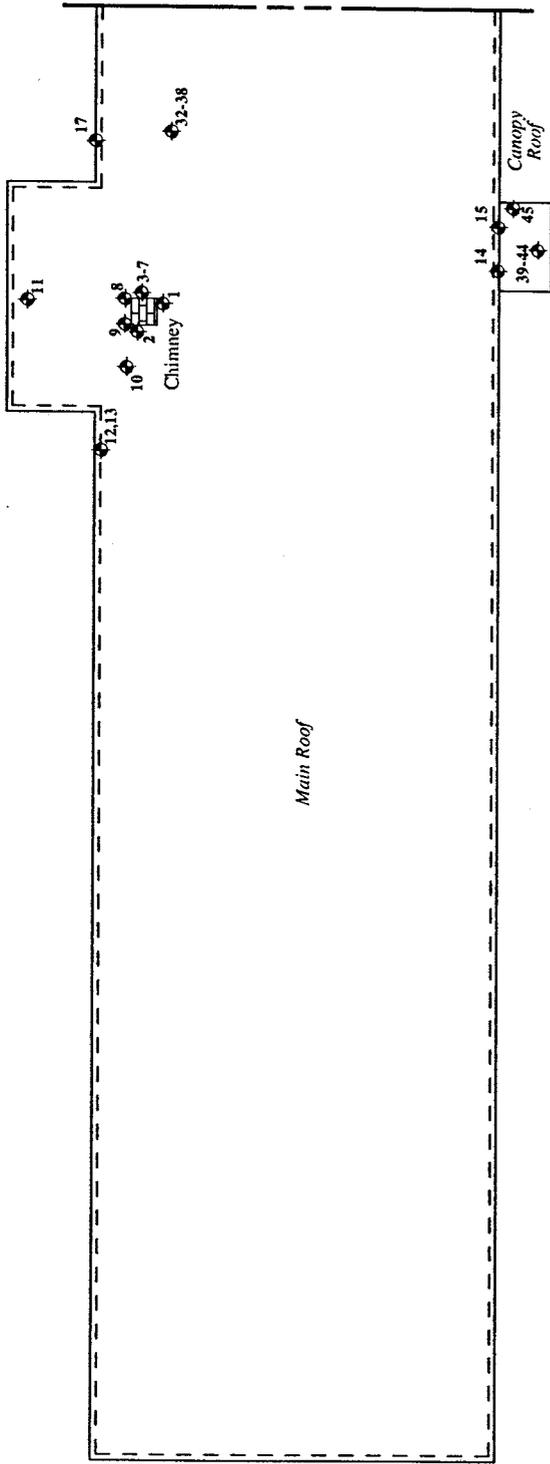
floor patch, red sealant along rain cap top, red wall coating, sink/wall sealant, tan/clear sealant around A/C unit window, two types of gypsum ceiling board and associated joint compound and tape, two types of metal door glazing sealant, white warm air furnace fire chamber liner, white gutter joint sealant, and white plastic laminate.

See Section IV for a copy of the laboratory analysis sheets for the samples collected.

Additional Notes

1. The possibility exists that suspect asbestos containing materials may be located behind walls, under fixed flooring or above fixed ceilings. During renovation/demolition activities, upon the penetration or demolition of a fixed wall or ceiling, should any suspect materials be seen or become accessible, all activities shall cease and the materials shall be sampled by a licensed inspector to determine the presence of asbestos.
2. EnviroMed strongly recommends the use of Transmission Electron Microscopy (TEM) on vinyl floor tiles in cases where both the vinyl floor tile and flooring mastic were found to contain 1% or less asbestos using Polarized Light Microscopy (PLM). PLM has been found to give "false negative" results on floor tile samples due to the fact that the asbestos fibers are tightly bound into the matrix of the floor tile. As a result the asbestos cannot be easily detected using PLM. The use of the TEM analytical method will definitively determine whether or not the floor tile contains legally significant amounts of asbestos.
3. Due to the present occupation of the building, no destructive sampling was performed on the fire doors. The doors affected by the renovation project shall be assumed to contain asbestos-containing core insulation until sampling and analysis proves otherwise.
4. This inspection report shall not be used as a scope of work for asbestos abatement. The asbestos design specifications prepared by a licensed asbestos project designer shall only be utilized for the asbestos abatement.

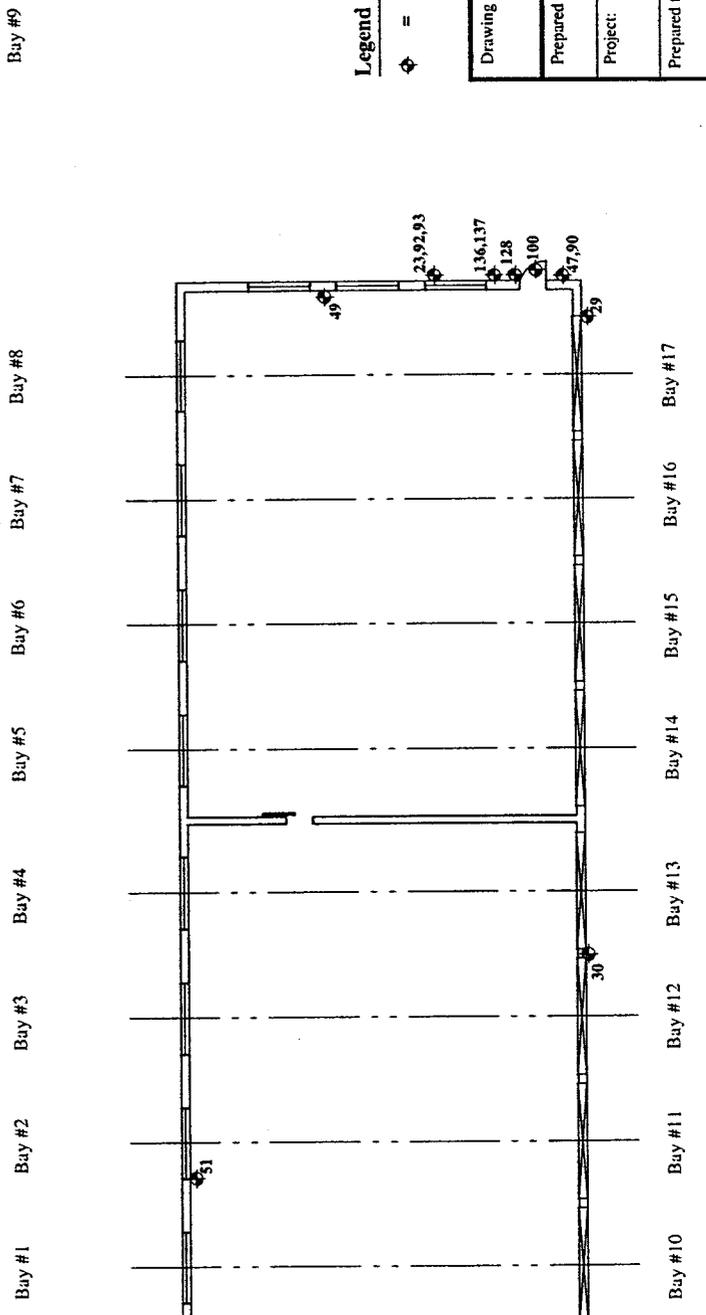
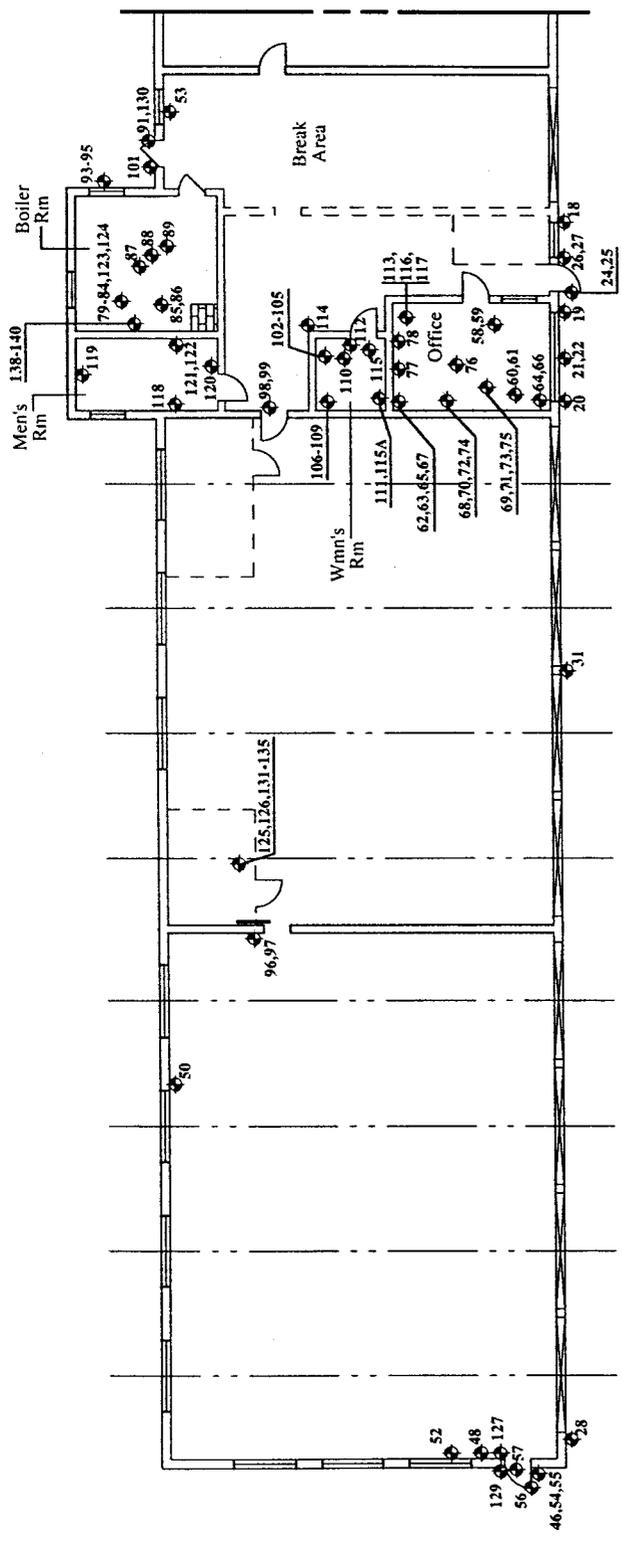
II. SAMPLE LOCATION DIAGRAMS



Legend :

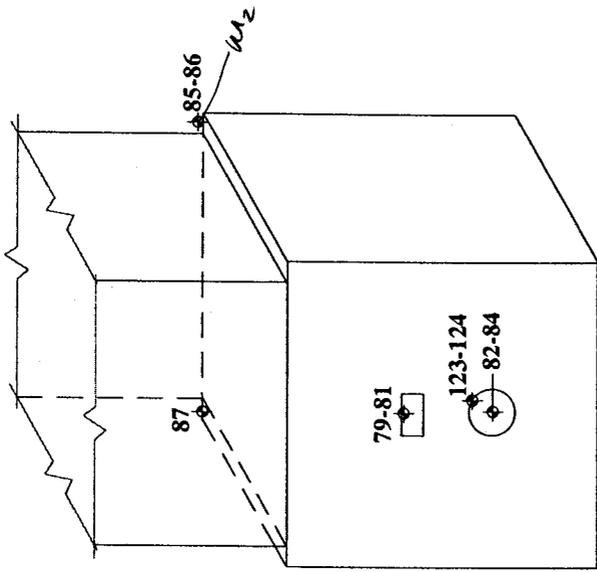
◆ = Sample Number & Location

Drawing Title: Asbestos Bulk Sample Location Diagram		Date: 7/10, 11/01
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511		Scale: N.T.S.
Project: Ocum DOT Maintenance Garage Roof Plan Ocum, Connecticut		Drawn By: DER
Prepared for : State of Connecticut Department of Transportation Newington, Connecticut		Approved By: T.H.
EMS # IH-01-529		Drawing No. I of 3

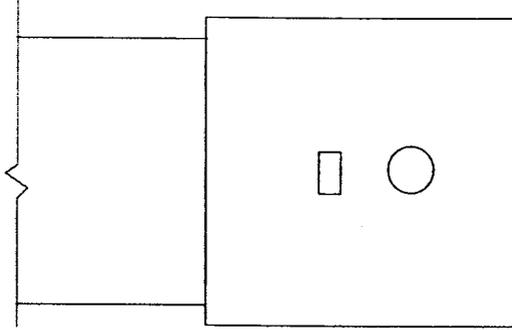


Legend:
 ◆ = Sample Number & Location

Drawing Title: Asbestos Bulk Sample Location Diagram	
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date: 7/10.11/01
Project: Ocimum DOT Maintenance Garage Floor Plan Ocimum, Connecticut	Scale: N.T.S.
Prepared for: State of Connecticut Department of Transportation Newington, Connecticut	Drawn By: DER Approved By: T.H.
Drawing No. 2 of 3	
EMS # IH-01-539	



Warm Air Furnace
Front and Side View



Warm Air Furnace
Front View

Legend

◆ = Sample Number & Location

Drawing Title: Asbestos Bulk Sample Location Diagram		Date: 4/22/99
Prepared by: EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511		Scale: N.T.S.
Project: Occum DOT Maintenance Garage Warm Air Furnace Occum, Connecticut		Drawn By: TH
Prepared for: State of Connecticut Department of Transportation Newington, Connecticut		Approved By: TH
EMS No. JH-01-529		Drawing No. 3 of 3

III. SAMPLE LOG AND RESULTS TABLE

Sample	Location	Material Sampled	Percent Asbestos
1	roof	FL1 gray flashing sealant	NAD
2	roof	gray flashing sealant	NAD
3	roof	FL2 gray chimney flashing paper first layer	10
4	roof	black chimney flashing 2nd layer	7
5	roof	black chimney flashing 3rd layer	NAD
6	roof	black chimney flashing 4th layer	NAD
7	roof	black chimney flashing bottom layer	NAD
8	roof	FL3 gray patching cement	7
9	roof	gray patching cement	10
10	roof	FL4 black patching cement	10
11	roof	black patching cement	NAD
12	roof	FL5 edge flashing first layer	NAD
13	roof	edge flashing under metal	NAD
14	roof	JS1 brown aluminum fascia joint sealant	NAD
15	roof	brown aluminum fascia joint sealant	NAD
16	roof	silicone → JS2 white gutter joint sealant	NAD
17	roof	white gutter joint sealant	NAD
18	exterior	JS3 exterior column sealant	2
19	exterior	exterior transite panel sealant	3
20	office	JS4 tan/clear sealant around A/C unit window	NAD
21	office	tan/clear sealant around A/C unit window	NAD
22	office	white exterior glazing compound	2
23	bay 17	JS3 white exterior glazing compound	2
24	break room	JS2 wood door light glazing compound (interior)	3
25	exterior	JS2 wood door light glazing compound (exterior)	3

Sample	Location	Material Sampled	Percent Asbestos
26	break room	T ₁ transite panel	18
27	break room	transite panel	20
28	bay 1	brick to overhead door frame sealant (white)	3
29	bay 17	IS ₅ brick to overhead door frame sealant (white)	3
30	bay 12	brown column sealant	NAD
31	bay 6/7	IS ₆ brown column sealant	NAD
32	roof	built-up roofing material	NAD
33	roof	black felt paper 1st layer	NAD
34	roof	RF ₁ built-up roofing material	NAD
35	roof	black felt 2nd layer	NAD
36	roof	RF ₂ built-up roofing material - gray felt between styrofoam/cellulose	NAD
37	roof	RF ₃ built-up roofing material gray paper under styrofoam	NAD
38	roof	RF ₄ black roof cement bottom layer	NAD
39	roof	built-up roofing material	NAD
40	roof	black felt paper 1st layer	NAD
41	roof	RF ₁ built-up roofing material	NAD
42	roof	black felt paper 2nd layer	NAD
43	roof	built-up roofing material	NAD
44	roof	black felt 3rd paper layer	NAD
45	roof	black felt 4th layer	NAD
46	bay 1	built-up roofing material - gray felt between styrofoam/cellulose	NAD
47	bay 17	built-up roofing material gray paper under styrofoam	NAD
48	bay 1	edge flashing	NAD
49	bay 1	rain cap black roll roofing on top of rain cap	<1
50	bay 17	rain cap black roll roofing on top of rain cap	NAD
51	bay 1	expansion joint floor sealer EJ1 N ₁ South, east	NAD
52	bay 17	expansion joint floor sealer	NAD
53	bay 4	bituminous expansion joint BET ₁ away door line	NAD
54	bay 11	bituminous expansion joint	NAD

Roof
Stone
built-up
partic.
conc.

NAD - No Asbestos Detected

Sample	Location	Material Sampled	Percent Asbestos
52	bay 1	gray interior window glazing compound <i>Wg1</i>	<1
53	void	void	void
54	bay 1	red sealant along rain cap top <i>RS1</i>	NAD
55	bay 1	red sealant along rain cap top	NAD
56	bay 1	type I metal door glazing sealant <i>Dgl1</i>	NAD
57	bay 1	type I metal door glazing sealant	NAD
58	office 1	fixed window glazing compound <i>Wg2</i>	<1
59	office 1	fixed window glazing compound	<1
60	office	white with gold plastic laminate	NAD
61	office	white with gold plastic laminate	NAD
62	office	black with gray paint mastic under 12" white/gray vinyl floor tile	NAD
63	office	black with gray paint mastic under 12" white/gray vinyl floor tile	NAD
64	office	tan mastic under 12" white/gray vinyl floor tile	NAD
65	office	tan mastic under 12" white/gray vinyl floor tile	NAD
66	office	12" white/gray streaks vinyl floor tile	NAD
67	office	12" white/gray streaks vinyl floor tile	NAD
68	office	2'x4' suspended ceiling tile white fabric texture tan matrix	NAD
69	office	2'x4' suspended ceiling tile white fabric texture tan matrix	NAD
70	office	type I gypsum ceiling board	NAD
71	office	type I gypsum ceiling board	NAD
72	office	type I gypsum ceiling board joint tape	NAD
73	office	type I gypsum ceiling board joint tape	NAD
74	office	type I gypsum ceiling board joint compound	1
75	office	type I gypsum ceiling board joint compound	<1
76	office	type I gypsum ceiling board joint compound	<1
77	office	gray mortar <i>Fm1</i>	NAD

2
2

NAD - No Asbestos Detected

Sample	Location	Material Sampled	Percent Asbestos
78	office	<i>Fms</i> gray mortar	NAD
79	boiler room	furnace sight door fire-proof pad	70
80	boiler room	furnace sight door fire-proof pad	70
81	boiler room	furnace sight door fire-proof pad	70
82	boiler room	white fire chamber liner <i>FCL1</i>	NAD
83	void	void	void
84	boiler room	white warm air furnace fire chamber liner	NAD
85	boiler room	mastic on foil backing of fiberglass warm air furnace insulation	NAD
86	boiler room	<i>M2</i> mastic on foil backing of fiberglass warm air furnace insulation	NAD
87	boiler room	red floor patch	NAD
88	boiler room	<i>RFP</i> red floor patch	NAD
89	boiler room	red floor patch	NAD
90	bay 17	black roll roofing mastic	NAD
91	break area	black roll roofing mastic <i>no longer there</i> black roll roofing mastic	NAD
92	bay 17	gray exterior window frame sealant type I	2
93	boiler room	<i>WC1</i> gray exterior window frame sealant type I	2
94	boiler room	gray exterior window frame sealant repair type II	NAD
95	boiler room	<i>WC2</i> gray exterior window frame sealant repair type II	NAD
96	bay 4	corrugated fire door- white insulation	90
97	bay 4	<i>FD</i> corrugated fire door- white insulation	90
98	break area	metal door type II light glazing sealant	4
99	break area	<i>DWG2</i> metal door type II light glazing sealant	4
100	bay 17	<i>DWG1</i> metal door type III light glazing sealant	4
101	break area	<i>DWG2</i> metal door type III light glazing sealant	NAD
102	women's room	12" gray mottled vinyl floor tile	NAD
103	women's room	<i>FT2</i> 12" gray mottled vinyl floor tile	NAD

NAD - No Asbestos Detected

Sample	Location	Material Sampled	Percent Asbestos
104	women's room	FT ₂ mastic under 12" gray mottled vinyl floor tile	NAD
105	women's room	mastic under 12" gray mottled vinyl floor tile	NAD
106	women's room	4" black cove base	NAD
107	women's room	CB ₁ 4" black cove base	NAD
108	women's room	mastic behind 4" black cove base	NAD
109	women's room	mastic behind 4" black cove base	NAD
110	women's room	CT ₂ 2'x4' suspended ceiling tile with pinholes & worms	NAD
111	women's room	2'x4' suspended ceiling tile with pinholes & worms	NAD
112	women's room	gypsum wallboard type II	NAD
113	office	SH ₂ gypsum wallboard type II	NAD
114	break area	joint compound type II	NAD
114	men's room	joint compound type II	NAD
115	women's room	JC ₂ joint compound type II	NAD
116	office	type II joint tape	NAD
117	office	type II joint tape	NAD
118	men's room	red wall coating	<1
119	men's room	red wall coating	<1
120	men's room	red wall coating	<1
121	men's room	no longer there sink/wall sealant	NAD
122	men's room	sink/wall sealant	NAD
123	boiler room	BL ₁ warm air furnace burner gasket	15
124	boiler room	warm air furnace burner gasket	15
125	bay 5	"Modine" unit heater burner gasket	NAD
126	bay 5	BL ₂ "Modine" unit heater burner gasket	NAD
127	bay 1	interior door frame sealant	NAD
128	bay 17	DS ₁ interior door frame sealant	NAD

NAD - No Asbestos Detected

Sample	Location	Material Sampled	Percent Asbestos
129	bay 1	exterior door frame sealant	NAD
130	break area	exterior door frame sealant	NAD
131	bay 5	"Modine" unit heater heat exchanger access door insulation	NAD
132	bay 5	"Modine" unit heater heat exchanger access door insulation	NAD
133	bay 5	"Modine" unit heater fire chamber liner	NAD
134	bay 5	"Modine" unit heater fire chamber liner	NAD
135	bay 5	"Modine" unit heater fire chamber liner	NAD
136	bay 17	electrical conduit exterior wall (south) sealant	NAD
137	bay 17	electrical conduit exterior wall (south) sealant	NAD
138	boiler room	fiberglass insulation pipe wrap	NAD
139	boiler room	fiberglass insulation pipe wrap	NAD
140	boiler room	fiberglass insulation pipe wrap	NAD

NAD - No Asbestos Detected

WT: foundation water proofing tar exterior

PC: retaining wall paint ~ 75' x 15'

IV. LABORATORY ANALYSIS SHEETS

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-1		Grey/White Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Matrix
IH-01-529-2		Grey/White Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Matrix
IH-01-529-3		Black/Silver Fibrous Homogeneous	Dissolved	10% Chrysotile		5% Cellulose 10% Glass 10% Synthetic	65% Matrix
IH-01-529-4		Black Non-Fibrous Homogeneous	Dissolved	7% Chrysotile		3% Glass	90% Matrix
IH-01-529-5		Black Non-Fibrous Homogeneous	Dissolved	None Detected		10% Glass	90% Matrix
IH-01-529-6		Black Non-Fibrous Homogeneous	Dissolved	None Detected		10% Cellulose 10% Glass	80% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method

David Ralbovsky
Analyst

Approved
Signatory

Disclosures: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ A20921, TX 43389)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

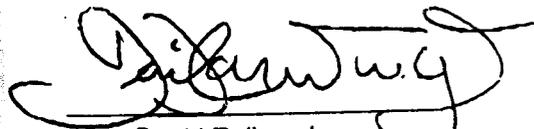
Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-7		Black Fibrous Homogeneous	Teased/Dissolved		None Detected	20% Cellulose	80% Matrix
IH-01-529-8		Black Fibrous Homogeneous	Teased/Dissolved		7% Chrysotile	13% Cellulose	80% Matrix
IH-01-529-9		Black Fibrous Homogeneous	Teased/Dissolved		10% Chrysotile	None Detected	90% Matrix
IH-01-529-10		Black Fibrous Homogeneous	Dissolved		10% Chrysotile	None Detected	90% Matrix
IH-01-529-11		Black Non-Fibrous Homogeneous	Dissolved		None Detected	None Detected	100% Matrix
IH-01-529-12		Black Fibrous Homogeneous	Teased		None Detected	20% Glass	80% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.


 David Ralbovsky
 Analyst

 Approved
 Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ AZ0921, TX 43369)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-13		Black Fibrous Homogeneous	Teased	None Detected		30% Glass	70% Matrix
IH-01-529-14		Black Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Other
IH-01-529-15		Black Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Other
IH-01-529-16		Grey Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Other
IH-01-529-17		Grey Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Other
IH-01-529-18		Grey Non-Fibrous Homogeneous	Dissolved	2% Chrysotile		8% Other	90% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
 Analyst

Approved
 Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ AZ0921, TX 43369)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	%	Fibrous % Non-Fibrous
IH-01-529-19		Grey Non-Fibrous Homogeneous	Dissolved	3%	Chrysotile	7%	Other 90% Matrix
IH-01-529-20		Clear Non-Fibrous Homogeneous	Dissolved		None Detected		None Detected 100% Other
IH-01-529-21		Clear Non-Fibrous Homogeneous	Dissolved		None Detected		None Detected 100% Other
IH-01-529-22		Grey Non-Fibrous Homogeneous	Crushed/Dissolved	2%	Chrysotile		None Detected 88% Ca Carbonate 10% Other
IH-01-529-23		Grey Non-Fibrous Homogeneous	Crushed/Dissolved	2%	Chrysotile		None Detected 88% Ca Carbonate 10% Other
IH-01-529-24		Grey Non-Fibrous Homogeneous	Crushed/Dissolved	3%	Chrysotile		None Detected 87% Ca Carbonate 10% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Raibovsky
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. This negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ AZ0921, TX 43389)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	%	Fibrous % Non-Fibrous
H-01-529-25		Grey Non-Fibrous Homogeneous	Crushed/Dissolved	3%	Chrysotile	None Detected	97% Other
H-01-529-26		Grey Fibrous Homogeneous	Teased	18%	Chrysotile	None Detected	20% Quartz 62% Ca Carbonate
H-01-529-27		Grey Fibrous Homogeneous	Teased	20%	Chrysotile	None Detected	20% Quartz 80% Ca Carbonate
H-01-529-28		Grey/White Non-Fibrous Homogeneous	Crushed/Dissolved	3%	Chrysotile	None Detected	67% Ca Carbonate 30% Other
H-01-529-29		Grey/White Non-Fibrous Homogeneous	Crushed/Dissolved	3%	Chrysotile	None Detected	67% Ca Carbonate 30% Other
H-01-529-30		Brown Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

NY samples analyzed by ELAP 198.1 Method

David Raibovsky
 Analyst

Approved
 Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ A20921, TX 43389)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Nell
 Enviromed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-31		Brown Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Matrix
IH-01-529-32		Black Fibrous Homogeneous	Teased	None Detected		25% Glass	75% Matrix
IH-01-529-33		Black Fibrous Homogeneous	Teased	None Detected		25% Glass	75% Matrix
IH-01-529-34		Black Fibrous Homogeneous	Teased	None Detected		5% Cellulose 20% Glass	75% Matrix
IH-01-529-35		Black Fibrous Homogeneous	Teased	None Detected		5% Cellulose 20% Glass	75% Matrix
IH-01-529-36		Grey Fibrous Homogeneous	Teased	None Detected		80% Cellulose 15% Glass	5% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
 Analyst

Approved
 Signatory

Disclaimer: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ A20821, TX 43369)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

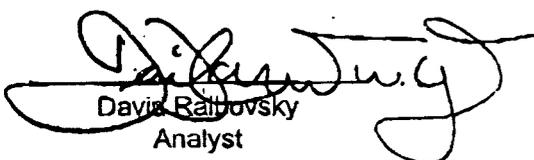
Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	%	Fibrous
IH-01-529-37		Brown Fibrous Homogeneous	Teased	None Detected		80% Cellulose 15% Glass	5% Matrix
IH-01-529-38		Black Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Matrix
IH-01-529-39		Black Fibrous Homogeneous	Teased	None Detected		5% Cellulose 20% Glass	75% Matrix
IH-01-529-40		Black Fibrous Homogeneous	Teased	None Detected		25% Glass	75% Matrix
IH-01-529-41		Black Fibrous Homogeneous	Teased	None Detected		25% Glass	75% Matrix
IH-01-529-42		Black Fibrous Homogeneous	Teased/Dissolved	None Detected		10% Glass	90% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.


 David Rabinovsky
 Analyst

Approved
 Signatory

Disclaimer: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ A20921, TX 43369)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-43		Black Fibrous Homogeneous	Teased		None Detected	20% Glass	80% Matrix
IH-01-529-44		Black Fibrous Homogeneous	Teased		None Detected	20% Glass	80% Matrix
IH-01-529-45		Black Fibrous Homogeneous	Teased		None Detected	15% Glass 5% Synthetic	80% Matrix
IH-01-529-46		Black Fibrous Homogeneous	Dissolved		< 1% Chrysotile	10% Glass	90% Matrix
IH-01-529-47		Black Fibrous Homogeneous	Teased		None Detected	15% Glass	85% Matrix
IH-01-529-48		Black Non-Fibrous Homogeneous	Dissolved		None Detected	< 1% Cellulose < 1% Glass	100% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method

David Rabovsky
 Analyst

Approved
 Signatory

Disclaimer: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ AZ0921, TX 43389)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-49		Black Non-Fibrous Homogeneous	Dissolved	None Detected		< 1% Cellulose	100% Other
IH-01-529-50		Black Non-Fibrous Homogeneous	Teased/Dissolved	None Detected		10% Cellulose	90% Matrix
IH-01-529-51		Black Non-Fibrous Homogeneous	Dissolved	None Detected		10% Cellulose	90% Matrix
IH-01-529-52		Grey Non-Fibrous Homogeneous	Crushed/Dissolved	< 1% Chrysotile		5% Cellulose	80% Ca Carbonate 15% Other
IH-01-529-54		Red Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Other
IH-01-529-55		Red Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
 Analyst

Approved
 Signatory

Disclaimer: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ 43021, TX 43360)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001
 Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-56		White Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Other
IH-01-529-57		White Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Other
IH-01-529-58		Brown Non-Fibrous Homogeneous	Dissolved	< 1% Chrysotile		3% Cellulose	87% Ca Carbonate 10% Other
IH-01-529-59		Brown Non-Fibrous Homogeneous	Dissolved	< 1% Chrysotile		3% Cellulose	87% Ca Carbonate 10% Other
IH-01-529-60		Brown Non-Fibrous Homogeneous	Dissolved	None Detected		10% Cellulose	90% Matrix
IH-01-529-61		Brown Non-Fibrous Homogeneous	Dissolved	None Detected		10% Cellulose	90% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
 Analyst

Approved
 Signatory

Disclaimer: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ A20921, TX 43369)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	%	Fibrous % Non-Fibrous
IH-01-529-62		Grey Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Other
IH-01-529-63		Grey Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Other
IH-01-529-64		Yellow Non-Fibrous Homogeneous	Dissolved	None Detected		5% Cellulose	95% Matrix
IH-01-529-65		Yellow Non-Fibrous Homogeneous	Dissolved	None Detected		5% Cellulose	95% Matrix
IH-01-529-66		White Non-Fibrous Homogeneous	Dissolved	None Detected		3% Cellulose	97% Other
IH-01-529-67		White Non-Fibrous Homogeneous	Dissolved	None Detected		3% Cellulose	97% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ 4369)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-68		Brown Fibrous Homogeneous	Teased		None Detected	100% Cellulose	
IH-01-529-69		Brown Fibrous Homogeneous	Teased		None Detected	100% Cellulose	
IH-01-529-70		Brown/Grey Fibrous Homogeneous	Teased		None Detected	15% Cellulose	75% Gypsum 10% Other
IH-01-529-71		Brown/Grey Fibrous Homogeneous	Teased		None Detected	15% Cellulose	75% Gypsum 10% Other
IH-01-529-72		Brown Fibrous Homogeneous	Teased		None Detected	98% Cellulose	2% Matrix
IH-01-529-73		White Fibrous Homogeneous	Teased		None Detected	98% Cellulose	2% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
 Analyst

Approved
 Signatory

Disclaimer: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ AZ0921, TX 43369)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-74		White Fibrous Homogeneous	Teased/Dissolved	1%	Chrysotile	8% Cellulose	30% Mica 40% Ca Carbonate 21% Other
IH-01-529-75		Beige Fibrous Homogeneous	Teased/Dissolved	< 1%	Chrysotile	8% Cellulose	30% Mica 40% Ca Carbonate 22% Other
IH-01-529-76		Beige Fibrous Homogeneous	Teased/Dissolved	< 1%	Chrysotile	8% Cellulose	32% Mica 40% Ca Carbonate 20% Other
IH-01-529-77		Grey Non-Fibrous Homogeneous	Crushed/Dissolved		None Detected	< 1% Cellulose	65% Quartz 20% Ca Carbonate 15% Other
IH-01-529-78		Grey Non-Fibrous Homogeneous	Crushed/Dissolved		None Detected	< 1% Cellulose	65% Quartz 20% Ca Carbonate 15% Other
IH-01-529-79		Grey Fibrous Homogeneous	Teased	70%	Chrysotile	25% Cellulose	5% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ AZ0921, TX 43369)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Nell
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-80		Grey Fibrous Homogeneous	Teased	70%	Chrysotile	25%	Cellulose 5% Matrix
IH-01-529-81		Grey Fibrous Homogeneous	Teased	70%	Chrysotile	25%	Cellulose 5% Matrix
IH-01-529-82		White Fibrous Homogeneous	Teased		None Detected	70%	Glass 30% Min. Wool
IH-01-529-84		White Fibrous Homogeneous	Teased		None Detected	70%	Glass 30% Min. Wool
IH-01-529-85		Brown/Silver Fibrous Homogeneous	Teased		None Detected	10%	Glass 90% Other
IH-01-529-86		Brown/Silver Fibrous Homogeneous	Teased		None Detected	10%	Glass 90% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
Analyst

Approved
Signatory

Disclaimer: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ A20921, TX 43359)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Nell
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-87		Red Non-Fibrous Homogeneous	Crushed/Dissolved	None Detected		5% Cellulose	15% Quartz 20% Ca Carbonate 60% Matrix
IH-01-529-88		Red Non-Fibrous Homogeneous	Crushed/Dissolved	None Detected		5% Cellulose	15% Quartz 20% Ca Carbonate 60% Matrix
IH-01-529-89		Red Non-Fibrous Homogeneous	Crushed/Dissolved	None Detected		5% Cellulose	15% Quartz 20% Ca Carbonate 60% Matrix
IH-01-529-90		Black Non-Fibrous Homogeneous	Dissolved	None Detected		17% Cellulose 3% Glass	80% Matrix
IH-01-529-91		Black Fibrous Homogeneous	Dissolved	None Detected		30% Cellulose	70% Matrix
IH-01-529-92		Grey Non-Fibrous Homogeneous	Crushed/Dissolved	2% Chrysotile		18% Wollastonite	10% Ca Carbonate 70% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ AZ0921, TX 43369)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-93		Grey Non-Fibrous Homogeneous	Crushed/Dissolved	2%	Chrysotile	18% Wollastonite	10% Ca Carbonate 70% Matrix
IH-01-529-94		Grey Non-Fibrous Homogeneous	Ashed		None Detected	20% Other	10% Ca Carbonate 70% Matrix
IH-01-529-95		Grey Non-Fibrous Homogeneous	Ashed		None Detected	20% Other	10% Ca Carbonate 70% Matrix
IH-01-529-96		Grey Fibrous Homogeneous	Teased	90%	Chrysotile	None Detected	10% Matrix
IH-01-529-97		Grey Fibrous Homogeneous	Teased	90%	Chrysotile	None Detected	10% Matrix
IH-01-529-98		Grey Non-Fibrous Homogeneous	Dissolved	4%	Chrysotile	1% Cellulose	95% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
Analyst

Approved
Signatory

Disclaimer: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ A20921, TX 43389)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-99		Grey Non-Fibrous Homogeneous	Dissolved	4%	Chrysotile	1% Cellulose	95% Matrix
IH-01-529-100		Grey Non-Fibrous Homogeneous	Dissolved	4%	Chrysotile	1% Cellulose	95% Matrix
IH-01-529-101		White Non-Fibrous Homogeneous	Dissolved		None Detected	15% Other	85% Matrix
IH-01-529-102		Grey Non-Fibrous Homogeneous	Dissolved		None Detected	3% Cellulose	97% Other
IH-01-529-103		Grey Non-Fibrous Homogeneous	Dissolved		None Detected	3% Cellulose	97% Other
IH-01-529-104		Yellow Non-Fibrous Homogeneous	Dissolved		None Detected	3% Cellulose	97% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ AZ0921, TX 43369)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-105		Yellow Non-Fibrous Homogeneous	Dissolved		None Detected	5% Cellulose	95% Matrix
IH-01-529-106		Black Non-Fibrous Homogeneous	Dissolved		None Detected	None Detected	100% Other
IH-01-529-107		Black Non-Fibrous Homogeneous	Dissolved		None Detected	None Detected	100% Other
IH-01-529-108		Grey/Yellow Non-Fibrous Homogeneous	Dissolved		None Detected	5% Cellulose	95% Matrix
IH-01-529-109		Grey/Yellow Non-Fibrous Homogeneous	Dissolved		None Detected	5% Cellulose	95% Matrix
IH-01-529-110		Grey/White Fibrous Homogeneous	Teased		None Detected	50% Cellulose 25% Glass	25% Perlite

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
Analyst

Approved
Signatory

Disclaimer: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ AZ0921, TX 43389)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Thursday, August 09, 2001

Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	%	Fibrous % Non-Fibrous
IH-01-529-111		Grey/White Fibrous Homogeneous	Teased	None Detected		50% Cellulose 25% Glass	25% Perlite
IH-01-529-112		Brown/Grey Fibrous Homogeneous	Teased	None Detected		15% Cellulose 5% Glass	70% Gypsum 10% Other
IH-01-529-113		Brown/Grey Fibrous Homogeneous	Teased	None Detected		15% Cellulose 5% Glass	70% Gypsum 10% Other
IH-01-529-114		White Non-Fibrous Homogeneous	Crushed/Dissolved	None Detected		7% Cellulose	33% Mica 50% Ca Carbonate 10% Other
IH-01-529-115		White Non-Fibrous Homogeneous	Crushed/Dissolved	None Detected		7% Cellulose	33% Mica 50% Ca Carbonate 10% Other
IH-01-529-116		White Fibrous Homogeneous	Teased	None Detected		90% Cellulose	10% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ A20921, TX 43359)

159 Pasadena Ave
South Pasadena, CA 91030
Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
Enviromed Services, Inc.
25 Science Park
New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-117		White Fibrous Homogeneous	Teased		None Detected	90% Cellulose	10% Other
IH-01-529-118		Grey/Red Non-Fibrous Homogeneous	Crushed/Dissolved	< 1%	Chrysotile	2% Cellulose	60% Quartz 18% Ca Carbonate 20% Other
IH-01-529-119		Grey/Red Non-Fibrous Homogeneous	Crushed/Dissolved	< 1%	Chrysotile	2% Cellulose	60% Quartz 18% Ca Carbonate 20% Other
IH-01-529-120		Grey/Red Non-Fibrous Homogeneous	Crushed/Dissolved	< 1%	Chrysotile	2% Cellulose	60% Quartz 18% Ca Carbonate 20% Other
IH-01-529-121		White Non-Fibrous Homogeneous	Crushed/Dissolved		None Detected	None Detected	60% Quartz 40% Matrix
IH-01-529-122		White Non-Fibrous Homogeneous	Crushed/Dissolved		None Detected	None Detected	60% Quartz 40% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ AZ0921, TX 43368)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 EnviroMed Services, Inc.
 25 Science Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	%	Fibrous % Non-Fibrous
IH-01-529-123		Grey Fibrous Homogeneous	Teased	15%	Chrysotile	65%	Cellulose 20% Matrix
IH-01-529-124		Grey Fibrous Homogeneous	Teased	15%	Chrysotile	65%	Cellulose 20% Matrix
IH-01-529-125		White Fibrous Homogeneous	Teased		None Detected	40%	Cellulose 10% Glass 50% Matrix
IH-01-529-126		White Fibrous Homogeneous	Teased		None Detected	40%	Cellulose 10% Glass 50% Matrix
IH-01-529-127		Brown Non-Fibrous Homogeneous	Dissolved/Ashed		None Detected	10%	Cellulose 90% Matrix
IH-01-529-128		White Non-Fibrous Homogeneous	Dissolved		None Detected	15%	Other 85% Matrix

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
 Analyst

Approved
 Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ AZ0921, TX 43389)

159 Pasadena Ave
South Pasadena, CA 91030

Phone: (323) 254-9960 Fax: (323) 254-9982



Thursday, August 09, 2001

Attn.: Thomas Neil
EnviroMed Services, Inc.
25 Science Park
New Haven, CT 06511

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-129		Red Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	100% Other
IH-01-529-130		White Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	30% Quartz 70% Other
IH-01-529-131		White Fibrous Homogeneous	Teased	None Detected		80% Glass 20% Min. Wool	
IH-01-529-132		White Fibrous Homogeneous	Teased	None Detected		80% Glass 20% Min. Wool	
IH-01-529-133		White Fibrous Homogeneous	Teased	None Detected		80% Glass 20% Min. Wool	
IH-01-529-134		White Fibrous Homogeneous	Teased	None Detected		80% Glass 20% Min. Wool	

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately.
Also, "# of Layers" refers to number of separable subsamples.
* NY samples analyzed by ELAP 198.1 Method

David Ralbovsky
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2263, AZ AZ0521, TX 43369)

159 Pasadena Ave
 South Pasadena, CA 91030
 Phone: (323) 254-9960 Fax: (323) 254-9982



Attn.: Thomas Neil
 Enviromed Services, Inc.
 25 Scienza Park
 New Haven, CT 06511

Thursday, August 09, 2001

Ref Number: PS013262

POLARIZED LIGHT MICROSCOPY (PLM)

Performed by EPA 600/R-93/116 Method*

Project: Occum DOT Garage

Sample	Location	Appearance	Sample Treatment	ASBESTOS		NON-ASBESTOS	
				%	Type	% Fibrous	% Non-Fibrous
IH-01-529-135		White Fibrous Homogeneous	Teased	None Detected		80% Glass 20% Min. Wool	
IH-01-529-136		Grey Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	20% Ca Carbonate 80% Matrix
IH-01-529-137		Grey Non-Fibrous Homogeneous	Dissolved	None Detected		None Detected	20% Ca Carbonate 80% Matrix
IH-01-529-138		White/Silver/Yellow Fibrous Homogeneous	Teased	None Detected		20% Cellulose 60% Glass	20% Other
IH-01-529-139		White/Silver Fibrous Homogeneous	Teased	None Detected		50% Cellulose	50% Other
IH-01-529-140		White/Silver/Yellow Fibrous Homogeneous	Teased	None Detected		50% Cellulose 10% Synthetic	40% Other

Comments: For all obviously heterogeneous samples easily separated into subsamples, and for layered samples, each component is analyzed separately. Also, "# of Layers" refers to number of separable subsamples.

* NY samples analyzed by ELAP 198.1 Method.

David Ralbovsky
Analyst

Approved
Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. LA Testing suggests that samples reported as <1% or none detected be tested with either SEM or TEM. The above test report relates only to the items tested. This report may not be reproduced, except in full, without written approval by LA Testing. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by LA Testing, Inc. (NVLAP Air and Bulk #200232-0, State: CA 2283, AZ A20921, TX 43369)

2 Safety
2-R2



ENVIROMED SERVICES, INC.

Lead Inspection Report

for

**Department of Transportation
Building #81-175
Occum Road Maintenance**

Occum, Connecticut

Client Project #: 581269

prepared for:

**State of Connecticut
Department of Transportation
Hartford, Connecticut 06106**

**July 11, 2001
EnviroMed Project #: IH-01-529**

**25 Science Park • New Haven, CT 06511
(203) 786-5580 • facsimile (203) 786-5579**

TABLE OF CONTENTS

Section

- I. INTRODUCTION
Introduction XRF Analysis
- II. PROJECT NARRATIVE
Overview
Summary of Results
- III. SAMPLE RESULTS TABLE (S)
- IV. SAMPLE LOCATION DIAGRAM (S)
- V. REFERENCE TABLE (S)
- VI. XRF DATA SHEETS

I. INTRODUCTION

Introduction

Lead poisoning is a significant health hazard. High lead concentrations in the body can cause serious damage to the kidneys, the red blood cells, the central nervous system and the brain. One source of lead in the environment is lead-based paint. Leaded paint may contain up to 50% lead. Lead-based paint was widely used until it was banned in 1978.

Inspection Report

This inspection report consists of an introduction, project narrative, sample results table, sample results diagram and inspection data pages. Two reference pages are also included in the report. The cover page includes the project name and address.

The projective narrative is an explanation of what was found during the inspection. This includes where the samples were taken, and the results of each test. The type of substrate under the paint and the condition of the paint are explained in this summary.

The data pages include the results of each test. This includes the sample numbers, the type of test used and the results of each test. These results are given in milligrams per square centimeter (mg/cm^2). The data pages also include the condition of the paint, and the substrate surface type. The paint condition and surface types are explained in reference tables A and B.

A Niton XL-309 XRF Spectrum Analyzer was used during the inspection. This instrument measures a paint sample until a 95% confident reading of "positive" or "negative" versus the toxic level of lead which is $1.0 \text{ mg}/\text{cm}^2$ as deemed by the State of Connecticut.

The XRF is calibrated at the beginning and the end of the day's inspections or at extended delays in testing and (at least) every four hours during inspections. If at any time the instrument does not calibrate according to the standardized sample and the instrument limit of detection the instrument is taken out of service.

II. PROJECT NARRATIVE

II. PROJECT NARRATIVE

Overview

On July 11, 2001 EnviroMed Services, Inc. performed a lead inspection using a direct read spectrum analyzer for the State of Connecticut Department of Transportation, at Building # 81-175 Occum Road Maintenance Building, located in Occum, Connecticut. The purpose of this inspection was to identify the presence of lead on the components prior to renovation/demolition.

The OSHA Lead in Construction Standard 29 CFR 1926.62 deems paint to be lead containing when any detectable lead is found. The State of Connecticut Lead Regulations deem paint to be a "toxic level" when X-Ray Fluorescence Analysis (XRF) exceeds 1.0 milligrams per centimeter squared (mg/cm^2), or 0.5% by weight in dry form. (19A-111-3). The State of Connecticut Department of Environmental Protection (DEP) regulations require building materials found to contain toxic levels of lead, to be Toxicity Characteristic Leaching Procedure (TCLP) tested for waste determination prior to disposal.

Summary of Results

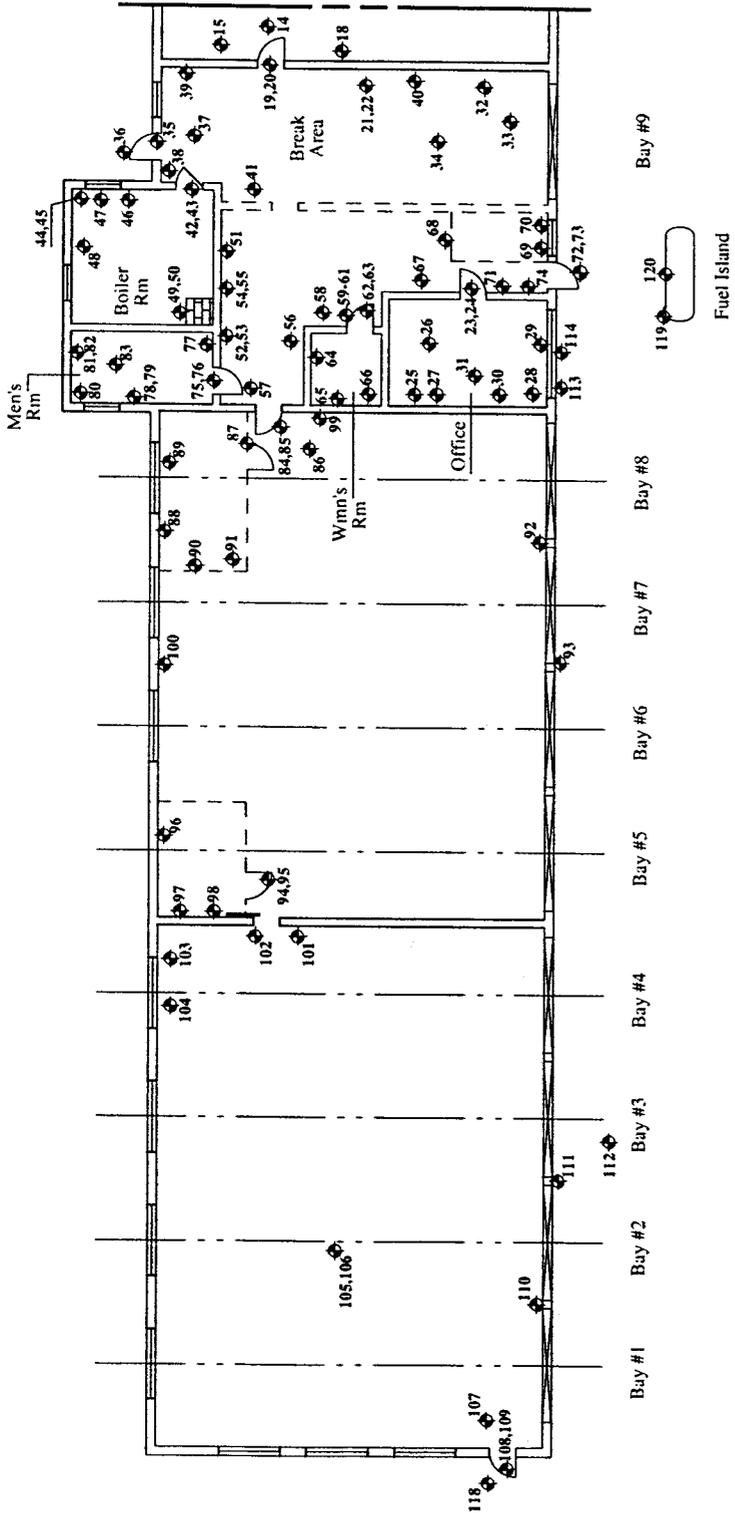
XRF analysis was performed utilizing the Niton - XL 309 Spectrum Analyzer. Lead containing paint was found on building components. Please refer to the XRF Data Sheets for a list of all XRF results and the Sample Location Diagram for all sample locations. Toxic levels of lead were found on building components. Please refer to the XRF Toxic Level Sample Results Table for a list of toxic level XRF readings (greater than or equal to $1.0 \text{ mg}/\text{cm}^2$).

III. SAMPLE RESULTS TABLE

III. SUMMARY OF TOXIC LEVEL (≥ 1.0 mg/cm²) XRF SAMPLE RESULTS

Sample Number	Sample Location (mg/cm²)	Component (s) Tested	Results
6	Bays 14-17	exterior I-Beam door frame	1.9
7	Bays 14-17	exterior bay safety stripe	3.4
14	Bays 10-13	interior safety stripe	24
17	Bays 10-13	exterior bay I-Beam door frame	1.6
37	Break Area Bay 9	safety stripe	25
39	Break Area Bay 9	work bench	2.6
40	Break Area Bay 9	tack board	2.4
42	Boiler Room	door	1.2
43	Boiler Room	door jamb	1.6
45	Boiler Room	lower wall	4.4
50	Boiler Room	lower wall	1.9
51	Open/Common Area	tack board	2.4
57	Open/Common Area	safety stripe	5.1
71	Fenced in Office	wall	2.0
74	Fenced in Office	window frame	1.9
75	Men's Room	door	1.6
76	Men's Room	door jamb	1.8
77	Men's Room	shelf	1.4
80	Men's Room	floor	5.1
83	Men's Room	stall door	1.7
86	Bays 5-8	safety stripe	27
87	Bays 5-8	2 x 4 on door	2.2
90	Bays 5-8	wall	1.7
93	Bays 5-8	exterior door frame I-Beam	2.5
96	Bays 5-8	tool holder	6.0
100	Bays 5-8	wooden beam	1.3
107	Bays 1-4	safety stripe	7.8
111	Bays 1-4	exterior I-Beam	2.7
112	Bays 1-4	exterior safety stripe	7.2
114	Exterior	wall	1.9
117	Exterior	lolly column	1.6

IV. SAMPLE LOCATION DIAGRAMS



Legend :
 ◆ = Sample Number & Location

Lead Sample Location Diagram

Drawing Title:	Lead Sample Location Diagram
Prepared by:	EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511
Date:	7/11/01
Project:	Occun DOT Maintenance Garage Floor Plan Occun, Connecticut
Scale:	N.T.S.
Drawn By:	DER
Approved By:	J.F.
Prepared for:	State of Connecticut Department of Transportation Newington, Connecticut
Drawing No.:	EMAS # IH-01-529 of 1

V. REFERENCE TABLE (S)

Lead Inspection Reference Table

B - Bulkhead	RD - Radiator
BB - Baseboard	RLC - Railing Cap
CAB - Cabinet	S - Siding
CL - Ceiling	SB - Stair Baluster
CM - Crown Molding	SBB - Stair Baseboard
CR - Chair Rail	SF - Shelf
CW - Cellar Window	SFS - Shelf Support
DC - Door Casing	SR - Stair Riser
DH - Door Header(Lintel)	SRC - Stair Rail Cap
DJ - Door Jamb	SS - Stair Stringer
DR - Door	ST - Stair Tread
EC - Entrance Canopy	SWL - Stair Walls
ECCL - Entrance Canopy Ceiling	T - Trim
EDR - Exterior Door	UW - Upper Wall
EWL - Exterior Wall	WA - Window Apron
F - Foundation	WC - Window Casing
FL - Floor	WD - Window
FP - Fireplace	WES - Window Exterior Sill
KB - Kickboard	WH - Window Header (Lintel)
L - Lattice	WL - Wall
LW - Lower Wall	WM - Window Mullion
NP - Stair Newel Post	WSH - Window Sash
P - Porch	WSL - Window Sill
PCL - Porch Ceiling	WSP - Window Stop
	WW - Window Well

Note: Addition of the letter "E" prior to any component abbreviation will designate that component as an exterior surface (e.g. EWC = Exterior Window Casing)

Revised 6/93

**Lead Inspection
Reference Table B
Surface Condition**

0 - No painted windows/woodwork.

1 - All paint on windows/woodwork is intact.

2. - Some paint on windows/woodwork is peeling, cracking or flaking.

3. - Large amounts of paint on windows/woodwork is peeling, cracking, or flaking.

**Lead Inspection
Reference Table B
Substrate Type**

W - Wood

Pl - Plaster

M - Metal

Br - Brick

C - Concrete

Sh - Sheetrock/Drywall

VI. XRF DATA SHEETS

LEAD INSPECTION DATA PAGE

PROJECT NAME: CONN. DOT / IH-01-529

NO. DOORS: N/A 7/11/01

UNIT NUMBER: Blwy # 81-175

NO. WINDOWS: N/A

Occum DOT

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
1	1.0	RED-NITON	STD.		TEST
2	0.0	WHITE-NITON	STD		↓
3	1.4	ORANGE-NITON	STD		↓
4	0.02	DR	Metal	1	Brown
5	-0.1	DT	↓	1	↓
6	+1.9	Ext. 1-Beam DF (Bay)	↓	2	↓ +
7	+3.4	Ext Safety Strip	Asphalt	2	Yellow +
8	0.03	Int. Safety Strip	Concrete	2	↓ (FL)
9	0.02	WL	Concrete	2	Gray
10	0.11	Lolly Column	Metal	2	Yellow
11	0.1	Fire DR	Metal	1	Gray
12	0.02	Fire Ext. Placed	Concrete	1	Red
13	0.12	1-Beam ^{15"} (Ceiling)	Metal	1	Gray
14	+24	Safety Strip ^(int)	Concrete	2	Yellow (FL) +
15	0.01	Cabinet	Metal	2	Silver
16	0.0	WL	Concrete	2	Gray
17	+1.6	Ext. 1-Beam DF (Bay)	Metal	2	Brown +
18	0.02	Fire Ext. Placed	Concrete	1	Red
19	0.01	DR	Metal	1	Brown
20	0.03	DF	↓	1	↓

LEAD INSPECTION DATA PAGE

PROJECT NAME: CONN. DOT / IH-01-529 NO. DOORS: N/A
 UNIT NUMBER: Bldg. # 81-175 NO. WINDOWS: N/A
Occum DOT

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
41	0.0	Cabinet	Wood	1	Gray
42	+1.2	DR	Metal	1	Brown +
43	+1.6	DS	↓	1	↓ +
44	0.04	Upper WL	Concrete	2	White
45	+4.4	Lower WL	↓	2	Gray +
46	0.0	Circuit Board	Wood	1	Gray
47	0.04	W.S.II	Concrete	1	White
48	0.11	Circuit Board	Wood	2	Black
49	0.04	Upper WL	Brick	1	White
50	+1.9	Lower WL	↓	1	Gray +
51	+2.4	Tac Board	Cork	2	Green +
52	0.03	Upper WL	Concrete	1	White/Cream
53	0.02	Lower WL	↓	1	Tan
54	0.02	Upper WL	Brick	2	White (Cream
55	0.01	Lower WL	↓	2	Tan
56	0.01	FL	Concrete	2	Gray
57	+5.1	Safety Strip	Concrete	2	Yellow (FL) +
58	0.05	Locker	Metal	1	Gray
59	0.0	WL Upper	WA	1	White/Cream
60	0.01	WL Lower	WB	1	Tan

LEAD INSPECTION DATA PAGE

PROJECT NAME: CONN. DOT / IH-01-529

NO. DOORS: N/A

UNIT NUMBER: Building 81-175
Conn DOT

NO. WINDOWS: N/A

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
61	-0.1	BB	Rubber	2	Black
62	0.3	DR	Metal	1	Brown
63	0.01	DJ	↓	1	↓
64	0.0	WL	WB	1	Tan
65	0.0	BB	Rubber	2	Black
66	0.01	Cabinet	Wood	1	Gray
67	0.16	Tax Board	Cork	2	Tan
68	0.6	WL	Metal	2	Gray
69	0.12	W.Sill	Wood	1	Gray
70	0.01	WL	Concrete	1	Gray
71	+2.0	WL	Concrete	1	Tan +
72	0.36	DR	Metal	1	Brown
73	0.05	DJ	↓	1	↓
74	+1.9	W.Frame	↓	1	Brown +
75	+1.6	DR	↓	1	↓ +
76	+1.8	DS	↓	2	↓ +
77	+1.4	Shelf	Wood	1	Gray +
78	0.65	Upper WL	Brick	2	White
79	-0.6	Lower WL	↓	2	Tan
80	+5.1	FL	Concrete	2	Gray +

LEAD INSPECTION DATA PAGE

PROJECT NAME: CONN. DOT / IH-01-529

NO. DOORS: N/A

UNIT NUMBER: Bldg # 81-175

NO. WINDOWS: N/A

Occum DOT

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
81	0.03	Upper WL	Concrete	1	Cream/White
82	0.0	Lower WL	↓	1	Tan
83	+1.7	Stall DR	Metal	1	Gray +
84	0.1	DR	↓	1	Brown
85	0.05	DJ	↓	1	↓
86	+2.7	Safety Strip	Concrete (FL)	2	Yellow +
87	+2.2	2x4 on DR	Wood	2	(lt) Gray +
88	0.05	WL	Concrete	2	Gray
89	0.01	FL	Concrete	2	Gray
90	+1.7	WL	Wood	2	↓ +
91	0.0	Table/Bench	Wood	2	↓
92	0.0	Int. 1-beam 18"	Metal	2	Brown
93	+2.5	Ext. 2x4 18"	Metal	2	↓ +
94	0.0	DC	Wood	2	Gray
95	0.7	DJ	↓	2	↓
96	+6.0	Tool Holder	Plywood	1	↓ +
97	0.0	Table/Bench	Wood	2	↓
98	0.03	Keeling 1-beam	Metal	2	Silver/Gray
99	0.05	Fire Ext. Placard	Concrete	1	Red
100	+1.3	Wooden Beam	Wood	2	Gray +

LEAD INSPECTION DATA PAGE

PROJECT NAME: CONN. DOT / IH-01-529

NO. DOORS: N/A

UNIT NUMBER: Bldg #1-176

NO. WINDOWS: N/A

CONN. DOT

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
101	0.07	Fire Ext. Placel	Concrete	1	Red
102	0.03	Fire DE	Metal	2	Gray
103	0.19	Locker	↓	2	Brown
104	0.0	Locker	↓	2	Gray
105	0.03	1" Beam Ceiling	Metal	2	Silver/Gray
106	0.09	8" I-Beam Ceiling	↓	2	↓
107	+7.8	Safety Strip	Concrete	2	Yellow +
108	0.02	DR	Metal	1	Brown
109	0.03	DJ	↓	1	↓
110	0.12	I-Beam Int.	Metal	2	Silver/Gray (Between Bay DE's)
111	+2.7	Ext. I-Beam	Metal	2	Brown +
112	+7.2	Ext. Safety Strip	Concrete (asphalt)	2	Yellow +
113	0.0	WL	Wood	2	Brown (PlyWood)
114	+1.9	WL	Concrete	2	↓ +
115	0.01	Circuit Box	Metal	2	↓
116	0.9	Lolly Column	Metal	2	Yellow
117	+1.6	Lolly Column	Wood	2	Yellow +
118	0.0	Rain Shield Over DE	Wood	2	Brown
119	0.0	Lolly Column	Metal	2	Yellow
120	0.0	Safety Strip	↓	2	↓

APPENDIX M
RELATED CORRESPONDENCE

Plimpton, Erik

From: Reilly, Robert A. <Robert.Reilly@ct.gov>
Sent: Wednesday, March 18, 2015 12:55 PM
To: Plimpton, Erik
Subject: FW: Project No. 103-0247 Occum Asbestos Survey - Retaining Wall

Hi Erik,

Please see Mike's email below.

Thanks,

Bob

From: Strong, Michael J
Sent: Wednesday, March 18, 2015 11:39 AM
To: Reilly, Robert A.; Nemecek, Judith A
Cc: Waleszczyk, John W; Easdon, Matthew L; Kaminsky, Svetlana
Subject: Project No. 103-0247 Occum Asbestos Survey - Retaining Wall

Bob and Judy,

Please have TRC investigate the retaining wall near the salt shed for asbestos based on past projects (Milford Bridge and Goff Road). The demolition plan we were looking at Monday did not include the callout.

I apologize for the oversight.

Contact me if you have any questions.

Michael J. Strong, P.E.
Project Engineer/Mechanical Engineer
CDOT - Office of Facilities Design
(P) (860) 594-3306
(F) (860) 594-3375
E-Mail Michael.Strong@ct.gov

Plimpton, Erik

From: Heelon, David
Sent: Wednesday, April 29, 2015 10:23 AM
To: Plimpton, Erik
Cc: Hernández, Hilton
Subject: Re: occur

No brass tag found anywhere on building. Talked to guy in charge here and he doesn't know about it for this bldg. said he saw them at other bldgs/ sites but not here.

Sent from my iPhone

On Apr 28, 2015, at 4:01 PM, Plimpton, Erik <EPlimpton@trcsolutions.com> wrote:

give me an email end of each day to let me know how its going and where you stand.

also, I forgot to look for the brass tag on the maint building. look at each entrance or ask the guys in charge, see if there is a small oval brass tag nailed to the building somewhere which says DOT on it and has a building number.

if there is take a photo of it and locate where it is on the sketches, so we can have it saved for dave hartley in DOT prop and facilities so he can remove it from DOT building inventory when it gets demo'd.

Erik R. Plimpton, PE, CHMM, CMC
Vice President
Eastern Region Practice Leader
Building Sciences & Industrial Hygiene



21 Griffin Road North, Windsor, CT 06095
T: 860.298.6280 | F: 860.298.6380 | C: 860.798.4699

[LinkedIn](#) | [Twitter](#) | [Blog](#) | [Flickr](#) | www.trcsolutions.com

5084