



SURVEY REPORT

PRE-RENOVATION INVESTIGATIVE SURVEY FOR HAZARDOUS BUILDING MATERIALS

**SOUTHINGTON MAINTENANCE FACILITY
476 MULBERRY STREET
SOUTHINGTON, CONNECTICUT
Project No. 131-205**

Prepared for

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

Prepared by

TRC
Windsor, Connecticut

Issued
March 2016



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TRC Project No. 222165.5186.0710
Issued-March 2016

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PROJECT OUTLINE

DOT Project No.: 131-205
Assignment No.: 514-5186
DOT Project Manager: Stephen E. Clout

Site Address: Southington Maintenance Facility, 476 Mulberry Street,
Southington, CT

TRC Project No.: 222165.5186.0710
Asbestos Inspector: Michael Kostruba (LIC #000694)
Brian Behrens (LIC #000857)
Lead Inspector: Michael Kostruba (LIC #002207)
Date(s) of Inspection: 11/30/15-12/3/15

Asbestos Identified: Yes
Lead Paint Identified: Yes
Gen. Bldg. Mat. Haz Waste: No
Add'l Haz./Reg. Mat./Waste/Items: Yes (See Table 6)
Concrete Recyclable as CTDEEP
 "Clean Fill:": Yes
EPA PCB Caulk: Yes – Presumed
CTDEEP PCB Caulk: No
PCB Impacted Substrate: Not Evaluated – No PCB caulks confirmed
PCB Impacted Soil/Surface Cover: Not evaluated – No exterior PCB caulks confirmed

Additional Notes:

The property consists of a one-story DOT Maintenance Facility with office Core (demo), attached garage bays (reno) and salt shed storage building (reno). A small detached office trailer (demo) is located on the exterior C-side of the property and a concrete retaining wall (demo). Asphalt walkways/driveways are located on the property; a fuel island (demo) with associated gas pumps (demo) and groundwater monitoring wells (GWMW) is adjacent to the Office Core building. Additional groundwater monitoring wells, USTs, catch basins, grinder pump station and oil/water separators are located in various areas. Utilities, including electric, gas, telephone, and municipal water source, were not shut off prior to the inspection as the building was still

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occupied. Municipal sanitary system services the building. There is a 2000-gallon fuel oil and 4000-gallon gas and diesel underground storage tanks (UST) and a 1000-gallon oil-water separator located in the subject area (all to be removed). A standing generator onsite is to be salvaged. A grinding pump on Mulberry Street was included in the inspection as it is scheduled to be removed/replaced as part of the renovation project. An interior wall to be removed in the salt shed was inaccessible and partially obstructed from view at the time of the inspection. An exterior transformer is located onsite and labeled as no detectable PCB levels (<2 PPM).

TABLES

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

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
2001 EnviroMed Inspection			
1	Clerk's Office	12"x12" tan with brown, orange & white streaks vinyl floor tile (FT1)	3% chrysotile
2	Locker Room	12"x12" tan with brown, orange & white streaks vinyl floor tile (FT1)	3% chrysotile
3	Clerk's Office	Mastic associated with 12"x12" tan with brown, orange & white streaks vinyl floor tile (FT1)	3% chrysotile
4	Locker Room	Mastic associated with 12"x12" tan with brown, orange & white streaks vinyl floor tile (FT1)	10% chrysotile
5	Crew Room	12"x12" brown with black, brown & white streaks vinyl floor tile (FT2)	NAD
6	Crew Room	12"x12" brown with black, brown & white streaks vinyl floor tile (FT2)	NAD
7	Crew Room	Mastic associated with 12"x12" brown with black, brown & white streaks vinyl floor tile (FT2)	NAD
8	Crew Room	Mastic associated with 12"x12" brown with black, brown & white streaks vinyl floor tile (FT2)	NAD
9	Locker Room	12"x12" olive green with white & brown streaks vinyl floor tile (FT3)	NAD
10	Ladies' Bathroom	12"x12" olive green with white & brown streaks vinyl floor tile (FT3)	NAD
11	Locker room	Mastic associated with 12"x12" olive green with white & brown streaks vinyl floor tile (FT3)	Trace chrysotile ⁺
12	Ladies' Bathroom	Mastic associated with 12"x12" olive green with white & brown streaks vinyl floor tile (FT3)	3% chrysotile
13	Locker room	4" brown cove base molding (CB1)	NAD
14	Locker room	4" brown cove base molding (CB1)	NAD
15	Locker room	Glue behind 4" brown cove base molding (CBG1)	3% tremolite

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
SOUTHINGTON MAINTENANCE FACILITY
SOUTHINGTON, CONNECTICUT**

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
16	Locker room	Glue behind 4" brown cove base molding (CBG1)	3% tremolite
17	Locker Room	Gypsum wallboard (SHR1)	NAD
18	Crew Room	Gypsum wallboard (SHR1)	NAD
19	Locker Room	Joint compound (JC1)	NAD
20	Crew Room	Joint compound (JC1)	NAD
21	Clerk's Office	Joint compound (JC1)	NAD
22	Supervisor's Office	Suspended ceiling tile – type I pock mark pattern	NAD
23	Clerk's Office	Suspended ceiling tile – type I pock mark pattern	NAD
24	Clerk's Office Foyer	Suspended ceiling tile – type II short grooves pattern	NAD
25	Clerk's Office	Suspended ceiling tile – type II short grooves pattern	NAD
26	Clerk's Office	Suspended ceiling tile – type III bird feet pattern	NAD
27	Clerk's Office	Suspended ceiling tile – type III bird feet pattern	NAD
28	Crew Room	Suspended ceiling tile – type IV large grooves and holes	NAD
29	Crew Room	Suspended ceiling tile – type IV large grooves and holes	NAD
30	Hallway	Gypsum ceiling board (SHR2)	NAD
31	Hallway	Gypsum ceiling board (SHR2)	NAD
32	Supervisor's Office	4'x3' pane window glazing type I (WG1)	5% chrysotile
33	Clerk's Office	4'x3' pane window glazing type I (WG1)	5% chrysotile
34	Locker room	4'x3' pane window glazing type I (WG1)	5% chrysotile
35	Clerk's Office	Window frame caulk type I – interior (C1)	5% chrysotile
36	Locker Room	Window frame caulk type I – interior (C1)	5% chrysotile
37	Exterior Boiler Room	Window glazing type II (WG2)	2% chrysotile

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

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
38	Exterior Boiler Room	Window glazing type II (WG2)	2% chrysotile
39	Exterior Boiler Room	Window glazing type II (WG2)	NAD ⁺
40	Clerk's Office Foyer	Door frame caulk interior (C3)	NAD
41	Bay 8	Door frame caulk interior (C3)	NAD
42	Exterior Boiler Room	Door frame caulk exterior (C10)	NAD ⁺
43	Exterior Clerk's Office Foyer	Door frame caulk exterior (C10)	NAD ⁺
44	Exterior Clerk's Office	Window frame caulk exterior (C8)	5% chrysotile
45	Exterior Supervisor's Office	Window frame caulk exterior (C8)	5% chrysotile
46	Bay 1	Transite panel (T1)	25% chrysotile
47	Bay 8	Transite panel (T1)	25% chrysotile
48	Exterior Clerk's Office	Caulk behind transite panel (TPG1)	5% chrysotile
49	Exterior Locker Room	Caulk behind transite panel (TPG1)	5% chrysotile
50	Supervisor's Office	Door glass glazing Type I (DWG1)	5% chrysotile
51	Supervisor's Office	Door glass glazing Type I (DWG1)	5% chrysotile
52	Supervisor's Office	Door glass glazing Type I (DWG1)	5% chrysotile
53	Exterior Clerk's Office Foyer	Door glass glazing Type II (DWG2)	5% chrysotile
54	Exterior Clerk's Office Foyer	Door glass glazing Type II (DWG2)	5% chrysotile
55	Locker Room	Door glass glazing Type II (DWG2)	5% chrysotile
56	Clerk's Office	Door glass glazing Type III (DWG3)	5% chrysotile
57	Clerk's Office	Door glass glazing Type III (DWG3)	5% chrysotile
58	Clerk's Office	Door glass glazing Type III (DWG3)	5% chrysotile
59	Bay 1	Floor expansion joint (FEJ1)	NAD
60	Bay 8	Floor expansion joint (FEJ1)	NAD
61	Bay 1	Wall expansion joint interior (C14)	NAD
62	Bay 7	Wall expansion joint interior (C14)	NAD
63	Exterior Bay 1	Wall expansion joint exterior (C12)	NAD
64	Exterior Bay 7	Wall expansion joint exterior (C12)	NAD

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

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
65	Exterior Bay 1	Sidewalk expansion joint (SEJ1)	NAD
66	Exterior Boiler Room	Sidewalk expansion joint (SEJ1)	NAD
67	Exterior Bay 1	Caulk between column and block wall (C11)	NAD
68	Exterior Bay 8	Caulk between column and block wall (C11)	NAD
69	Boiler Room	Chimney breeching cement (<i>abated</i>)	NAD
69A	Boiler Room	Spray-on insulation adhered to chimney breeching cement (<i>abated</i>)	5% tremolite
70	Boiler Room	Chimney breeching cement (<i>abated</i>)	NAD
70A	Boiler Room	Spray-on insulation adhered to chimney breeching cement (<i>abated</i>)	5% tremolite
71	Boiler Room	Chimney breeching cement (<i>abated</i>)	NAD
71A	Boiler Room	Spray-on insulation adhered to chimney breeching cement (<i>abated</i>)	5% tremolite
72	Bay 1	Floor expansion joint sealer (C7)	35% chrysotile
73	Bay 8	Floor expansion joint sealer (C7)	35% chrysotile
74	Roof	Flashing cement gray (FL1)	15% chrysotile
75	Roof	Flashing cement gray (FL1)	15% chrysotile
76	Roof	Flashing cement gray (FL1)	75% chrysotile
77	Roof	Flashing cement gray (FL1)	60% chrysotile
78	Roof	Flashing membrane chimney (FL2)	20% chrysotile
79	Roof	Flashing membrane chimney (FL2)	20% chrysotile
80	Roof	Flashing membrane mechanical unit (FL3)	NAD
81	Roof	Flashing membrane mechanical unit (FL3)	NAD
82	Roof	Flashing membrane wall (FL4)	NAD
83	Roof	Flashing membrane wall (FL4)	NAD
84	Roof	Counter flashing caulk (C17)	NAD
85	Roof	Counter flashing caulk (C17)	NAD

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BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
SOUTHINGTON MAINTENANCE FACILITY
SOUTHINGTON, CONNECTICUT**

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
86	Roof	Flashing cement chimney (FL2)	15% chrysotile
87	Roof	Flashing cement chimney (FL2)	15% chrysotile
88	Roof	Flashing cement mechanical unity (FL3)	15% chrysotile
89	Roof	Flashing cement mechanical unity (FL3)	15% chrysotile
90	Roof	Flashing cement wall (FL4)	15% chrysotile
91	Roof	Flashing cement wall (FL4)	15% chrysotile
92	Roof	Built-up roofing top layer (RF1)	NAD
93	Roof	Built-up roofing 2 nd layer (RF1)	NAD
94	Roof	Built-up roofing 3 rd layer (RF1)	NAD
95	Roof	Built-up roofing 4 th layer (RF1)	NAD
96	Roof	Built-up roofing 5 th layer (RF1)	NAD
97	Roof	Built-up roofing 6 th layer (RF1)	NAD
98	Roof	Built-up roofing 7 th layer (RF1)	NAD
99	Roof	Built-up roofing 8 th layer (RF1)	NAD
100	Roof	Built-up roofing bottom layer (RF2)	NAD
101	Roof	Built-up roofing top layer (RF1)	NAD
102	Roof	Built-up roofing second layer (RF1)	NAD
103	Roof	Built-up roofing third layer (RF1)	NAD
104	Roof	Built-up roofing fourth layer (RF1)	NAD
105	Roof	Built-up roofing fifth layer (RF1)	NAD
106	Roof	Built-up roofing sixth layer (RF1)	NAD
107	Roof	Built-up roofing seventh layer (RF1)	NAD
108	Roof	Built-up roofing eighth layer (RF1)	NAD
109	Roof	Built-up roofing bottom layer (RF2)	NAD
110	Boiler Room	Burner gasket (G8)	NAD
111	Boiler Room	Burner gasket (G8)	NAD

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

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
112	Boiler Room	Burner gasket (G8)	NAD
113	Boiler Room	Burner plate gasket (G9)	NAD
114	Boiler Room	Burner plate gasket (G9)	NAD
115	Boiler Room	Burner plate gasket (G9)	NAD
116	Boiler Room	Front inspection ropelike port gasket (G1)	NAD
117	Boiler Room	Front inspection ropelike port gasket (G1)	NAD
118	Boiler Room	Front inspection ropelike port gasket (G1)	NAD
119	Boiler Room	Front inspection port window gasket (G2)	NAD
120	Boiler Room	Front inspection port window gasket (G2)	NAD
121	Boiler Room	Front inspection port window gasket (G2)	NAD
122	Boiler Room	Rear inspection port ropelike gasket (G3)	NAD
123	Boiler Room	Rear inspection port ropelike gasket (G3)	NAD
124	Boiler Room	Rear inspection port ropelike gasket (G3)	NAD
125	Boiler Room	Rear inspection port window gasket (G4)	NAD
126	Boiler Room	Rear inspection port window gasket (G4)	NAD
127	Boiler Room	Rear inspection port window gasket (G4)	NAD
128	Boiler Room	Ropelike boiler rib gasket (G5)	NAD
129	Boiler Room	Ropelike boiler rib gasket (G5)	NAD
130	Boiler Room	Ropelike boiler rib gasket (G5)	NAD
131	Boiler Room	Boiler clean-out gasket (G6)	NAD
132	Boiler Room	Boiler clean-out gasket (G6)	NAD
133	Boiler Room	Boiler clean-out gasket (G6)	NAD
134	Boiler Room	Ropelike boiler exhaust gasket (G7)	NAD
135	Boiler Room	Ropelike boiler exhaust gasket (G7)	NAD

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

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
136	Boiler Room	Ropelike boiler exhaust gasket (G7)	NAD
2015 TRC Inspection			
1	Garage-C wall	C3-Tan, gummy sticky door frame caulk-RESAMPLE	ND ¹
2	Men's Rm	C4-White caulk around radiator, sink and urinals	ND
3	Men's Rm	C4-Hard white caulk around radiator, sink and urinals	ND ¹
4	Garage-Tool Crib Wall	C5-Pliable white caulk in wood wall/molding joints	ND
5	Garage- Hall to Locker Rm	C5-Pliable white caulk in wood wall/molding joints	ND ¹
6	Tool Crib	C6-Black interior door frame caulk	ND
7	Tool Crib	C6-Black interior door frame caulk	ND ¹
8	Boiler Rm-Exterior- A Side	C10-Offwhite exterior door frame caulk-thin bead-RESAMPLE	4.27% chrysotile ¹
9	Garage-Exterior-B Side	C11-Offwhite hard pliable caulk at column/CMU joint-RESAMPLE	Trace chrysotile ¹
10	Garage-Exterior-C Side	C12-Tan gummy exterior wall expansion joint caulk-RESAMPLE	Trace chrysotile ¹
11	Trailer-Exterior-A Side	C13-Grey putty like window and door frame caulk	5% chrysotile
12	Trailer- Exterior-B Side	C13-Grey putty like window and door frame caulk	NA/PS
13	Garage-C Wall- Bay 7	C14-Hard tan interior wall expansion joint caulk-RESAMPLE	ND ¹
14	Garage-Exterior-A Side	C15-Hard grey exterior wall expansion joint caulk under C12	ND
15	Garage- Exterior-C Side	C15-Hard grey exterior wall expansion joint caulk under C12	Trace chrysotile ¹
16	Office Core-Exterior-A Side	C16-Hard white caulk around electrical meter, wall hydrant and AC units	ND
17	Garage-Exterior-A Side	C16-Hard white caulk around electrical meter, wall hydrant and AC units	ND ¹
18	Roof 1- Office Core	C17-Brittle Grey caulk above metal counter flashing	ND

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

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
19	Roof 1- Office Core	C17-Brittle Grey caulk above metal counter flashing	ND ¹
20	Crew Rm	CT1-2'x4' white ceiling tile with large worm/pinhole pattern	ND
21	Supervisor Rm	CT1-2'x4' white ceiling tile with large worm/pinhole pattern	ND
22	Locker Rm	CT2-2'x4' large crater pattern white ceiling tile	ND
23	Locker Rm	CT2-2'x4' large crater pattern white ceiling tile	ND
24	Men's Rm	TS1-Light brown thinset under 1"x1" light green ceramic floor tile	ND
25	Men's Rm	TS1-Light brown thinset under 1"x1" light green ceramic floor tile	ND
26	Men's Rm	GR1- Brown grout between 1"x1" light green ceramic floor tile	ND
27	Men's Rm	GR1- Brown grout between 1"x1" light green ceramic floor tile	ND
28	Ladies Rm	CB2 - brown 4" cove base	ND
		CBG2 - cream cove base glue	ND
29	Ladies Rm	CB2 - brown 4" cove base	ND ¹
		CBG2 - cream cove base glue	ND ¹
30	Trailer	CB3 - beige 4" cove base	ND
		CBG3 - cream cove base glue	ND
31	Trailer	CB3 - beige 4" cove base	ND ¹
		CBG3 - cream cove base glue	Trace anthophyllite ¹
32	Trailer	VB1-Light brown paper vapor barrier	ND
33	Trailer	VB1-Light brown paper vapor barrier	ND
34	Trailer	TC1-White textured ceiling coating	ND
35	Trailer	TC1-White textured ceiling coating	ND
36	Trailer	TC1-White textured ceiling coating	ND

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BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
SOUTHINGTON MAINTENANCE FACILITY
SOUTHINGTON, CONNECTICUT**

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
37	Trailer	SHR3-Offwhite ceiling sheetrock-no joint compound	ND
38	Trailer	SHR3-Offwhite ceiling sheetrock-no joint compound	ND
39	Office Core-Exterior-B Side	SEJ1-Black tar-like sidewalk expansion joint material-RESAMPLE	ND ¹
40	Garage-C Side-Bay 7	FEJ1-Black tar-like floor expansion joint material-RESAMPLE	ND ¹
41	Boiler Rm	BR1-Hard grey breaching cement at chimney penetration	ND
42	Boiler Rm	BR1-Hard grey breaching cement at chimney penetration	ND
43	Boiler Rm	BR1-Hard grey breaching cement at chimney penetration	ND
44	Fuel Island-Gas Pump	PP1-Grey pump penetration putty	ND
45	Fuel Island-Gas Pump	PP1-Grey pump penetration putty	ND ¹
46	Crew Rm	FT2-12"x12" floor tile, brown with black, brown, white streaks and black mastic-RESAMPLE	ND ¹
47	Trailer	FT4-12"x12" tan floor tile	ND ¹
		Translucent yellow mastic associated with FT4	ND
48	Trailer	FT4-12"x12" tan floor tile	ND ¹
		Translucent yellow mastic associated with FT4	ND ¹
49	Roof 1-Office Core	RF1-Built up roofing paper layers with tar -top layers-RESAMPLE	ND ¹
50	Roof 2- Garage	RF1-Built up roofing paper layers with tar top layers-RESAMPLE	ND ¹
51	Roof 1-Office Core	RF2-Bottom layer of built up roofing, tar on metal deck-RESAMPLE	ND ¹
52	Roof 2- Garage	RF2-Bottom layer of built up roofing, tar on metal deck-RESAMPLE	ND ¹
53	Roof 2- Garage	FL5-Roof drain membrane flashing with black flashing cement	ND

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BULK SAMPLE SUMMARY OF SUSPECT ASBESTOS CONTAINING MATERIALS
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SOUTHINGTON, CONNECTICUT

Sample No.	Sample Location	Type of Homogeneous Material	% and Type Asbestos
54	Roof 2- Garage	FL5-Roof drain membrane flashing with black flashing cement	ND ¹

“RESAMPLE” indicates samples that were only analyzed via TEM analysis, as PLM data existed from the 2001 EnviroMed report.

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

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

Material	Sampled/ Assumed (mo/yr)	General Location	NESHAP Category	AHERA Category	Estimated Quantity
12"x12" tan with brown, orange & white streaks vinyl floor tile & associated mastic (FT1)	Sampled 8/01	Foyer, Clerk's Office, Locker Room, Supervisor's Office, Ladies' Room	Category I Non-friable	Miscellaneous	500 SF
Mastic associated with 12"x12" olive green with white & brown streaks vinyl floor tile (FT3)	Sampled 8/01	Locker Room, Ladies' Bathroom	Category I Non-friable	Miscellaneous	40 SF
Glue behind 4" brown cove base molding (CBG1)	Sampled 8/01	Foyer, Locker Room, Supervisor's Office, Clerk's Office	Category I Non-friable	Miscellaneous	160 LF
4'x3' 3-pane window glazing type I (WG1)	Sampled 8/01	Locker Room, Clerk's Office, Supervisor's Office, Men's Bathroom	Category II Non-friable	Miscellaneous	6 EA
Window frame caulk type I – interior (C1)	Sampled 8/01	Clerk's Office, Supervisor's Office, Locker room, Men's Bathroom	Category II Non-friable	Miscellaneous	6 EA
Window glazing type II (WG2)	Sampled 8/01	Exterior Boiler Room	Category II Non-friable	Miscellaneous	2 EA
Window frame caulk exterior (C8)	Sampled 8/01	Exterior Supervisor's Office, Exterior Clerk's Office, Exterior Locker Room, Men's Bathroom	Category II Non-friable	Miscellaneous	6 EA
Transite panel (T1)	Sampled 8/01	Bay 1 & Bay 8 above personnel doors, above and below windows in office core area, above doors in office core area	Category II Non-friable	Miscellaneous	230 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 2 (...continued)
IDENTIFIED ASBESTOS CONTAINING MATERIALS (>1%)
SOUTHINGTON MAINTENANCE FACILITY
SOUTHINGTON, CONNECTICUT

Material	Sampled/ Assumed (mo/yr)	General Location	NESHAP Category	AHERA Category	Estimated Quantity
Caulk behind transite panel (TPG1)	Sampled 8/01	Bay 1 & Bay 8 above personnel doors, above and below windows in office core area, above doors in office core area	Category II Non-friable	Miscellaneous	280 LF
Door glass glazing Type I (DWG1)	Sampled 8/01	Supervisor's Office interior door	Category II Non-friable	Miscellaneous	1 EA
Door glass glazing Type II (DWG2)	Sampled 8/01	Locker Room, Exterior Foyer, Garage	Category II Non-friable	Miscellaneous	3 EA
Door glass glazing Type III (DWG3)	Sampled 8/01	Clerk's Office – interior door	Category II Non-friable	Miscellaneous	1 EA
Spray-on insulation adhered to chimney breeching cement (previously abated)(BR1)	Sampled 8/01	Boiler Room	Friable	Surfacing Material	1 SF (previously abated)
Floor expansion joint sealer at perimeter (C7)	Sampled 8/01	Garage area, Boiler Room Assumed to be located in Locker Room, Supervisor, Crew, Tool Crib, Foyer, Clerk's Office	Category II Non-friable	Miscellaneous	250 LF
Flashing cement/paper gray (FL1)	Sampled 8/01	Office Core Roof, Garage Roof perimeter	Category I Non-friable	Miscellaneous	1,330 SF
Flashing membrane/cement chimney (FL2)	Sampled 8/01	Office Core Roof chimney	Category I Non-friable	Miscellaneous	36 SF
Flashing cement mechanical unit (FL3)	Sampled 8/01	Office Core Roof mech units	Category I Non-friable	Miscellaneous	108 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 2 (...continued)
 IDENTIFIED ASBESTOS CONTAINING MATERIALS (>1%)
 SOUTHLINGTON MAINTENANCE FACILITY
 SOUTHLINGTON, CONNECTICUT**

Material	Sampled/ Assumed (mo/yr)	General Location	NESHAP Category	AHERA Category	Estimated Quantity
Flashing cement wall (FL4)	Sampled 8/01	Office Core Roof along parapet wall	Category I Non-friable	Miscellaneous	120 SF
C10-Off-white exterior door frame caulk-thin bead	Sampled 8/01 & 12/15	Boiler Room Exterior A-side, Garage A-side, Garage C-side	Category II Non-friable	Miscellaneous	75 LF
C13-Grey putty like window and door frame caulk	Sampled 12/15	Trailer-Exterior door, windows and A/C unit	Category II Non-friable	Miscellaneous	90 LF

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%)
SOUTHINGTON MAINTENANCE FACILITY
SOUTHINGTON, CONNECTICUT**

Material	General Location
12"x12" brown with black, brown & white streaks vinyl floor tile & associated mastic (FT2)	Crew Room
12"x12" olive green with white & brown streaks vinyl floor tile (FT3)*	Locker Room, Ladies' Bathroom*
4" brown cove base molding (CB1)*	Foyer, Locker Room, Supervisor's Office, Clerk's Office *
Gypsum wallboard/joint compound (SHR1/JC1)	Clerk's Office, Locker Room, Crew Room
Suspended ceiling tile – type I pock mark pattern	Supervisor's Office, Clerk's Office
Suspended ceiling tile – type II short grooves pattern	Clerk's Office/Foyer
Suspended ceiling tile – type III bird feet pattern	Clerk's Office
Suspended ceiling tile – type IV large grooves and holes	Crew Room
Gypsum ceiling board (SHR2)	Hallway
Door frame caulk interior tan gummy sticky (C3)	Bay 8, Clerk's Office Foyer, Garage C-side entry
Floor block expansion joint (FEJ1)	Bay 1, Bay 8, Garage C-side, A-side, Boiler Room, Locker Room, Supervisor Room, Entry, Crew
Wall expansion joint interior hard tan (C14)	Bay 1, Bay 7, Garage-C Wall- Bay 7, Bay 8, Garage A-wall Bay 1, Tool Crib loft area
Wall expansion joint exterior tan gummy caulk (C12)	Exterior Bay 1, Exterior Bay 7 C-side/A-side
Sidewalk tar-like expansion joint (SEJ1)	Exterior Boiler Room, Exterior Bay 1, Office Core-Exterior-B Side, A-side, Garage A-side, Garage C-side
Hard pliable caulk between column and block wall (C11)	Exterior Bay 1, Exterior Bay 8 B-side
Chimney breeching cement (<i>abated</i>)	Boiler Room
Counter flashing caulk (C17)	Roof
Built-up roofing layers 1-8 (RF1)	Roof – Office Core & Garage
Built-up roofing bottom layer tar on metal (RF2)	Roof – Office Core & Garage
Burner gasket (G8)	Boiler Room
Burner plate gasket (G9)	Boiler Room
Front inspection ropelike port gasket (G1)	Boiler Room
Front inspection port window gasket (G2)	Boiler Room
Rear inspection port ropelike gasket (G3)	Boiler Room
Rear inspection port window gasket (G4)	Boiler Room
Ropelike boiler rib gasket (G5)	Boiler Room
Boiler clean-out gasket (G6)	Boiler Room
Ropelike boiler exhaust gasket (G7)	Boiler Room
C4-White caulk around radiator, sink and urinals	Men's Rm
C5-Pliable white caulk in wood wall/molding joints	Garage-Tool Crib & Crew Walls, Hall to Locker Room

* However, associated layers are positive.

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

Material	General Location
C6-Black interior door frame caulk	Tool Crib
C15-Hard grey exterior wall expansion joint caulk under C12	Garage-Exterior C-Side, Exterior A-side
C16-Hard white caulk around electrical meter, wall hydrant and AC units	Garage Exterior-A Side, Office Core Exterior A-side, D-side
C17-Brittle Grey caulk above metal counter flashing	Office Core Roof
CT1-2'x4' white ceiling tile with large worm/pinhole pattern	Crew Rm, Supervisor Room
CT2-2'x4' large crater pattern white ceiling tile	Locker Rm
TS1-Light brown thinset under 1"x1" light green ceramic floor tile	Men's Rm
GR1- Brown grout between 1"x1" light green ceramic floor tile	Men's Rm
CB2 - brown 4" cove base & associated cream glue (CBG2)	Ladies Rm
CB3 - beige 4" cove base & associated cream glue (CBG3)	Trailer
VB1-Light brown paper vapor barrier	Trailer
TC1-White textured ceiling coating	Trailer
SHR3-Offwhite ceiling sheetrock-no joint compound	Trailer
BR1-Hard grey breaching cement at chimney penetration	Boiler Rm
PP1-Grey pump penetration putty	Fuel Island-Gas Pump
FT4-12"x12" tan floor tile & associated translucent yellow mastic	Trailer
FL5-Roof drain membrane flashing with black flashing cement	Garage Roof

** However, associated layers are positive.*

TABLE 4
SUMMARY OF LEAD PAINT XRF MEASUREMENTS
SOUTHINGTON MAINTENANCE FACILITY
SOUTHINGTON, CONNECTICUT

Structure	No. of Measurements	Calibrations	Void	Lead Detected	No Lead Detected
2001 EnviroMed Inspection	95	6	0	16	71
2015 TRC Inspection	107	17	0	13	77

See Lead Paint XRF Measurement Table in Appendix H & K.

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

Waste Stream	Metal	mg/kg Direct Exposure (Residential)	mg/L Leachate Pollutant Mobility (GA/GAA Groundwater)	Eligible For Recycling?
<u>Sample 1</u> Painted Interior CMU walls	Lead	41	ND<0.013	Yes
<u>Sample 2</u> Painted Perimeter CMU walls	Lead	19	ND<0.013	Yes
<u>Sample 3</u> Painted Entry Stoop	Lead	7.0	ND<0.013	Yes

Samples 1-3 were analyzed for lead following the Synthetic Precipitation Leaching Procedure (SPLP) and Total Metal Procedures for comparison to the CTDEEP Remediation Standard Regulations (RSR's). These samples were 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.

Note: Any metal components 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.

See Appendix I for results.

BDL - Below Detection Limit

ND - Not Detected

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

Quantity	Size	Material/Item	General Location	Potential Hazard
Ten (10)		4' fluorescent tube lights	Locker Room	UW – Hg lamps
One (1)		Window-mounted A/C unit	Locker Room	CFCs/Freon
Five (5)		Ballasts	Locker Room	CRW – PCB ballasts
Four (4)		Halogen bulbs	Locker Room	UW – Hg lamps
One (1)		Water fountain	Locker Room	CFCs/Freon
Four (4)		4' fluorescent tube lights	Men's Room	UW – Hg lamps
Two (2)		Ballasts	Men's Room	CRW – PCB ballasts
One (1)		Halogen bulb	Men's Room	UW – Hg lamps
Various		Aerosol spray cans	Men's Room	I
Various	1-gal	Bottles bleach/cleaner	Men's Room	CRW – waste chemical liquid
Three (3)		Bulbs	Ladies Room	UW – Hg lamps
Two (2)		Ballasts	Ladies Room	CRW – PCB ballasts
Eight (8)		4' fluorescent tube lights	Crew Room	UW – Hg lamps
Six (6)		Ballasts	Crew Room	CRW – PCB ballasts
Two (2)		Halogen bulbs/emergency lights	Crew Room	UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)
Six (6)		4' fluorescent tube lights	Clerk Room	UW – Hg lamps
Six (6)		Ballasts	Clerk Room	CRW – PCB ballasts
One (1)		Window-mounted A/C unit	Clerk Room	CFCs/Freon
Three (3)		Halogen bulbs	Clerk Room	UW – Hg lamps
One (1)		Fire alarm control system	Clerk Room	UW – used electronics (printed circuit boards)
Three (3)		2' fluorescent tube lights	Entrance Foyer	UW – Hg lamps
Two (2)		Ballasts	Entrance Foyer	CRW – PCB ballasts
Two (2)		Halogen bulbs	Entrance Foyer	UW – Hg lamps

- 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
SOUTHINGTON MAINTENANCE FACILITY
SOUTHINGTON, CONNECTICUT**

Quantity	Size	Material/Item	General Location	Potential Hazard
Two (2)		Fire extinguishers	Entrance Foyer	CRW – waste chemical solid
One (1)		Window-mounted A/C unit	Supervisor Office	CFCs/Freon
Four (4)		4' fluorescent lights	Supervisor Office	UW – Hg lamps
Three (3)		Ballasts	Supervisor Office	CRW – PCB ballasts
One (1)		Halogen bulb	Supervisor Office	UW – Hg lamps
One (1)		Fire extinguisher	Supervisor Office	CRW – waste chemical solid
Various		Gallons paints/cleaners	Tool Crib	CRW – waste chemical liquid
Various		Aerosols	Tool Crib	I
Various		Oils	Tool Crib	CRW – oil
Two (2)		4' fluorescent tubes	Boiler Room	UW – Hg lamps
One (1)		Ballast	Boiler Room	CRW – PCB ballasts
One (1)		Fire extinguisher	Boiler Room	CRW – waste chemical solid
Nineteen (19)		Halogen bulbs	Garage	UW – Hg lamps
One (1)		Emergency halogen flood light	Garage	UW – Hg lamps UW – used electronics (printed circuit boards) UW – batteries (Ni-Cd battery or Pb-acid battery)
Various	50 gal	Oil drums	Garage	CRW – oil
		Acetylene tanks	Garage	I
Five (5)	1 gal	Buckets chemicals	Garage	CRW – waste chemical liquid
		Oxygen tanks	Garage	I
Three (3)		Fire extinguishers	Garage	CRW – waste chemical solid
Twenty (20)		Ballasts	Garage	CRW – PCB ballasts
Twelve (12)		Halogen flood lights	Exterior main building	UW – Hg lamps
One (1)		Transformer/generator (to be salvaged)	Exterior main building	CRW – oil (Labeled <2 PPM PCB)

- 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
SOUTHINGTON MAINTENANCE FACILITY
SOUTHINGTON, CONNECTICUT**

Quantity	Size	Material/Item	General Location	Potential Hazard
Twelve (12)		Ballasts	Exterior main building	CRW – PCB ballasts
Six (6)		8' fluorescent tube lights	Office trailer	UW – Hg lamps
Three (3)		Ballasts	Office trailer	CRW – PCB ballasts
One (1)		Wall-mounted A/C unit	Office trailer	CFCs/Freon
One (1)		Diesel pump	Exterior	UW – used electronics (printed circuit boards)
One (1)		Gas pump	Exterior	UW – used electronics (printed circuit boards)
One (1)		Fuel management unit (to be salvaged)	Exterior	UW – used electronics (printed circuit boards)
One (1)	4,000 gal	UST – diesel	Exterior	CRW – oil/sludge
One (1)	4,000 gal	Gas UST	Exterior	I
One (1)	2,000 gal	Fuel oil UST	Exterior	CRW – oil/sludge
One (1)	1, 000 gal	Oil-water separator	Exterior	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
SOUTHINGTON MAINTENANCE FACILITY
SOUTHINGTON, CONNECTICUT**

Sample No.	Homogenous Material Type	Sample Location	Total PCB (ppm)	EPA/CTDEEP Regulated
C1A	Grey caulk between window & window frame – interior♦	Supervisor Room	1	Unregulated
C1B		Locker Room	ND<0.96	
C1C		Men's Room	ND<0.75	
C3A	Tan gummy door frame caulk*	Garage	ND<7.4	Unregulated
C3B		Office Entry	0.61	
C4A	White pliable caulk on urinals, sink & radiator*	Men's Room – radiator	ND<0.6	Unregulated
C4B		Men's Room – sink	ND<0.68	
C5A	White soft pliable caulk in wood joints of Tool Crib & Crew Room bump out	Garage Tool Crib C-side	ND<0.8	Unregulated
C5B		Garage Crew Room C-side	ND<0.84	
C5C		Garage Tool Crib B-side	ND<0.89	
C6A	Black interior door frame caulk*	Garage Tool Crib C-side	ND<0.74	Unregulated
C8A	Grey caulk between window & window frame – exterior	Exterior Locker Room	ND<0.69	Unregulated
C8B		Exterior Supervisor	ND<0.69	
C8C		Exterior Clerk	ND<0.5	
C10A	White exterior door frame caulk – thin bead♦	Exterior – Boiler Room	ND<0.95	Unregulated
C10B		Exterior Garage C-side	ND<0.54	
C10C		Exterior Garage A-side	ND<0.86	
C13A	Grey putty-like caulk associated with aluminum door & window frames♦	Exterior Trailer A side door	ND<0.92	Unregulated
C13B		Exterior Trailer C side window	ND<0.69	
C13C		Exterior Trailer B side window	ND<0.94	
C16A	Hard white caulk around electrical meter, A/C units & wall bydrant*	Exterior Locker Room	ND<0.87	Unregulated
C16B		Exterior Supervisor	ND<0.81	
DWG1A	Tan/grey brittle door window glaze – 24"x36" window♦*	Supervisor	ND<0.87	Unregulated
DWG2B	Tan/grey brittle door window glaze – 6"x36" window♦*	Entry	ND<0.72	Unregulated

ND – none detected

PCB ≥ 50 ppm = EPA PCB Bulk Product Waste

PCB >1 ppm but <50 ppm = CTDEEP regulated

♦ Also asbestos containing material (>1%)

TABLE 7 (...continued)				
BULK SAMPLE SUMMARY OF SUSPECT PCB CONTAINING CAULK MATERIALS				
DOT SOUTHLINGTON MAINTENANCE FACILITY				
SOUTHLINGTON, CONNECTICUT				
Sample No.	Homogenous Material Type	Sample Location	Total PCB (ppm)	EPA/CTDEEP Regulated
WG1A	Hard tan window glaze associated with 4'x3' 3-pane window♦	Men's Room	ND<0.79	Unregulated
WG1B		Locker Room	ND<0.51	
WG1C		Supervisor	ND<0.57	
WG2A	Hard tan/grey window glaze associated with 4'x3' window – interior/exterior♦*	Boiler Room – exterior B-side	ND<0.7	Unregulated
WG2B		Boiler Room – exterior B-side	ND<0.76	
TPG1A	Tan glaze behind transite panel♦	Garage C-wall entry	ND<0.5	Unregulated
TPG1B		Garage A-wall entry	ND<0.6	
TPG1C		Supervisor	ND<0.93	
DWG3A	Door glass glazing Type III♦*	Clerk's Office – interior door	ND<0.43	Unregulated

*There were very limited quantities of these materials at the site. Therefore, reduced (<3) numbers of samples are adequate for material characterization.

ND – none detected

PCB ≥ 50 ppm = EPA PCB Bulk Product Waste

PCB >1 ppm but <50 ppm = CTDEEP regulated

♦ Also asbestos containing material (>1%)

**TABLE 8
IDENTIFIED PCB CONTAINING CAULK MATERIALS
DOT SOUTHLINGTON MAINTENANCE FACILITY
SOUTHLINGTON, CONNECTICUT**

Material	Sample Date (mo/yr)	General Location	Adjacent Substrates	Estimated Quantity
CTDEEP REGULATED PCB CONTAINING MATERIALS (> 1 ppm, < 50 ppm)				
No CTDEEP Regulated PCB containing materials were identified in the subject area				
EPA REGULATED PCB BULK PRODUCT WASTE (≥50 ppm)				
Floor expansion joint sealer at perimeter (C7) ♦	Presumed 12/15	Garage area, Boiler Room Assumed to be in Locker Room, Supervisor, Crew, Tool Crib, Foyer, Clerk's Office	Concrete/CMU	250 LF
Caulk between column and block wall (C11)	Presumed 12/15	Exterior Bay 1, Exterior Bay 7, Exterior Bay 8 Exterior Bay 13, Garage Bay corners	Metal/CMU	64 LF
Wall expansion joint exterior (C12)	Presumed 12/15	Garage – exterior C-side, exterior A-side	CMU/CMU	64 LF
Hard tan interior wall expansion joint caulk (C14)	Presumed 12/15	Garage-C Wall- Bay 7, Bay 8/Garage A-wall Bay 1, Tool Crib loft area	CMU/CMU	64 LF
Hard grey exterior wall expansion joint caulk under C12 (C15)	Presumed 12/15	Garage – exterior C-side, exterior A-side (under C12)	CMU/CMU	64 LF
Counter flashing caulk (C17)	Presumed 12/15	Office Core Roof – parapet wall & chimney	Metal/CMU	52 LF

♦ Also asbestos containing material (>1%)

APPENDIX A
SITE PHOTOS

Southington Site Demolition Plan

10/15/15

REPLACE PUMP AND FLOATS INSIDE GRINDER PUMP STATION. ✓

REMOVE 4000 GALLON DIESEL UNDERGROUND STORAGE TANK, 4000 GALLON UNLEADED GASOLINE UNDERGROUND STORAGE TANK, FUEL ISLAND, ALL ASSOCIATED ACCESSORIES, AND CONCRETE SLAB AT GRADE. REMOVE AND SALVAGE FUEL MANAGEMENT UNIT. ✓

STORAGE BINS TO REMAIN. ✓

REMOVE EXISTING RETAINING WALL. ✓

SAND PILE TO BE REMOVED BY OTHERS. ✓

REMOVE INTERIOR CONCRETE PARTITION. ✓

REMOVE AND SALVAGE STANDBY GENERATOR. ✓

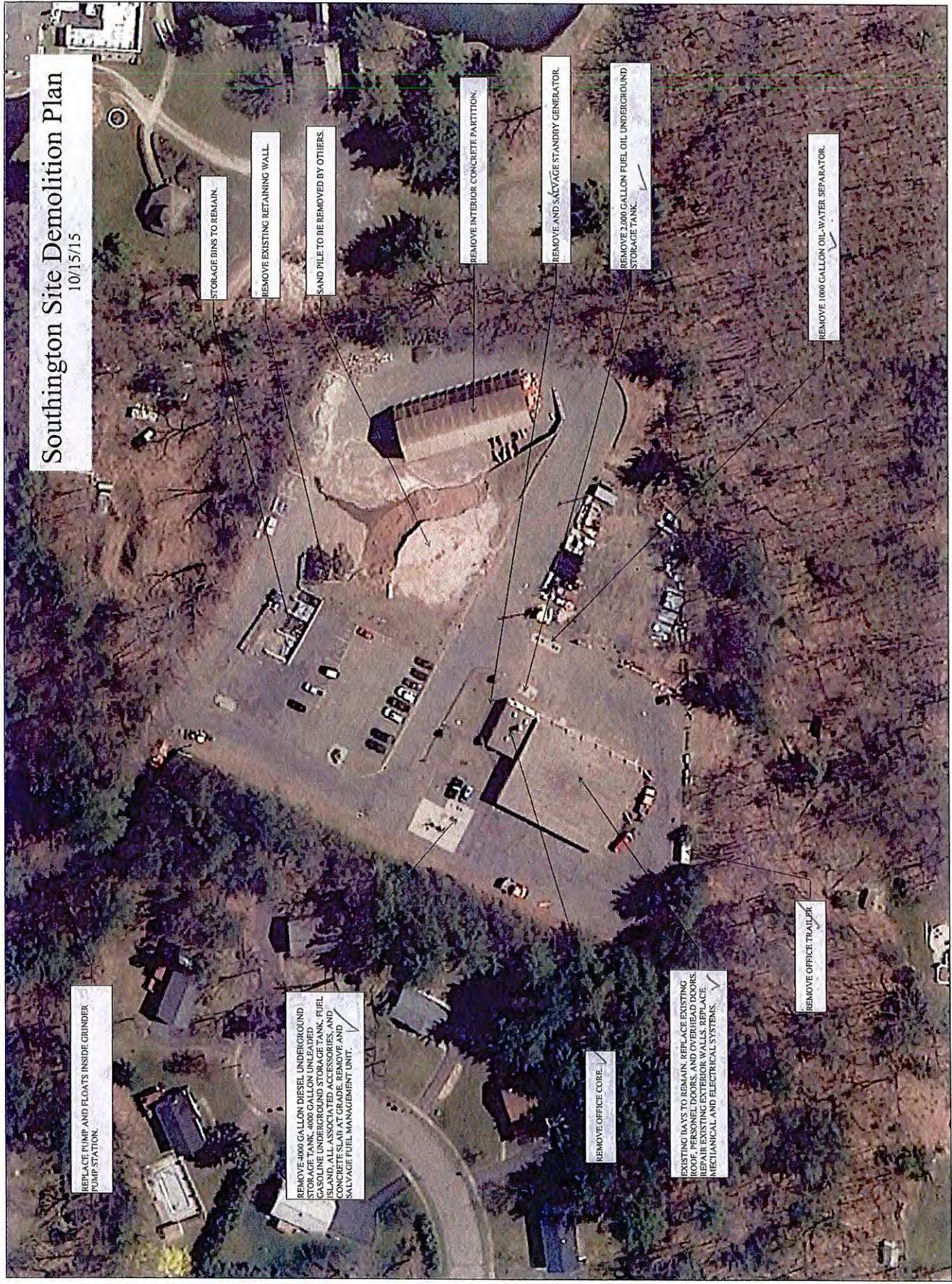
REMOVE 2,000 GALLON FUEL OIL UNDERGROUND STORAGE TANK. ✓

REMOVE OFFICE CORE. ✓

EXISTING PLANS TO REMAIN, REPLACE EXISTING ROOF, PERSONEL DOORS AND OVERHEAD DOORS. REPAIR EXISTING EXTERIOR WALLS, REPLACE MECHANICAL AND ELECTRICAL SYSTEMS. ✓

REMOVE OFFICE TRAILER. ✓

REMOVE 1000 GALLON OIL-WATER SEPARATOR. ✓



Southington Excavation Depths

10/15/15

Fuel Island

Excavation Depth is about 1' below grade.

Retaining Wall

Footings and granular fill depth is about 5' below grade.

Fuel Oil UST

Excavation depth is about 10' below grade.

Oil-Water Separator

Excavation depth is about 10' below grade.

Fuel Island

Excavation depth is about 10' below grade.

Building Addition

Footings and granular fill depth is about 5' below grade.

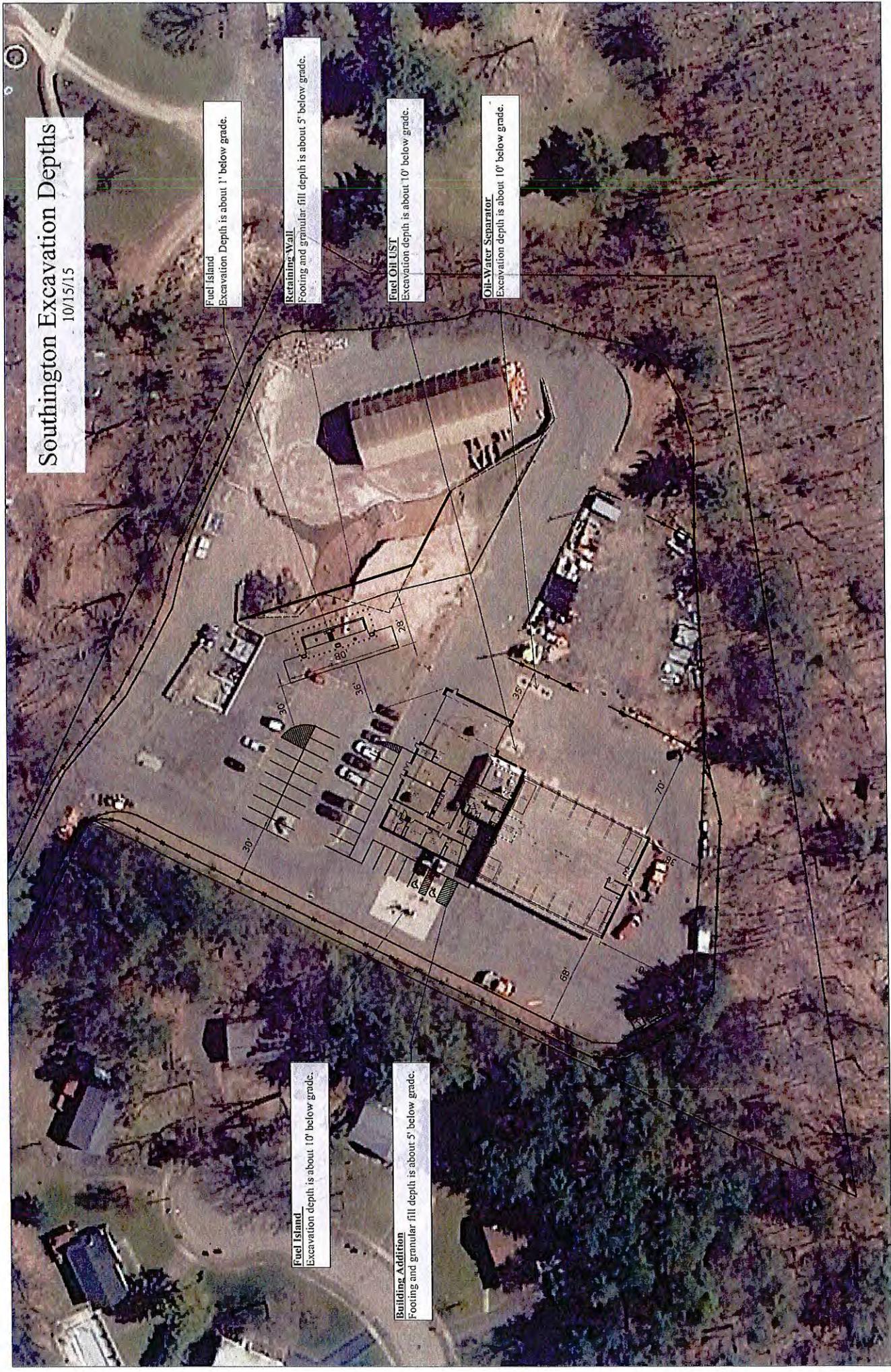




PHOTO 1. A Side.

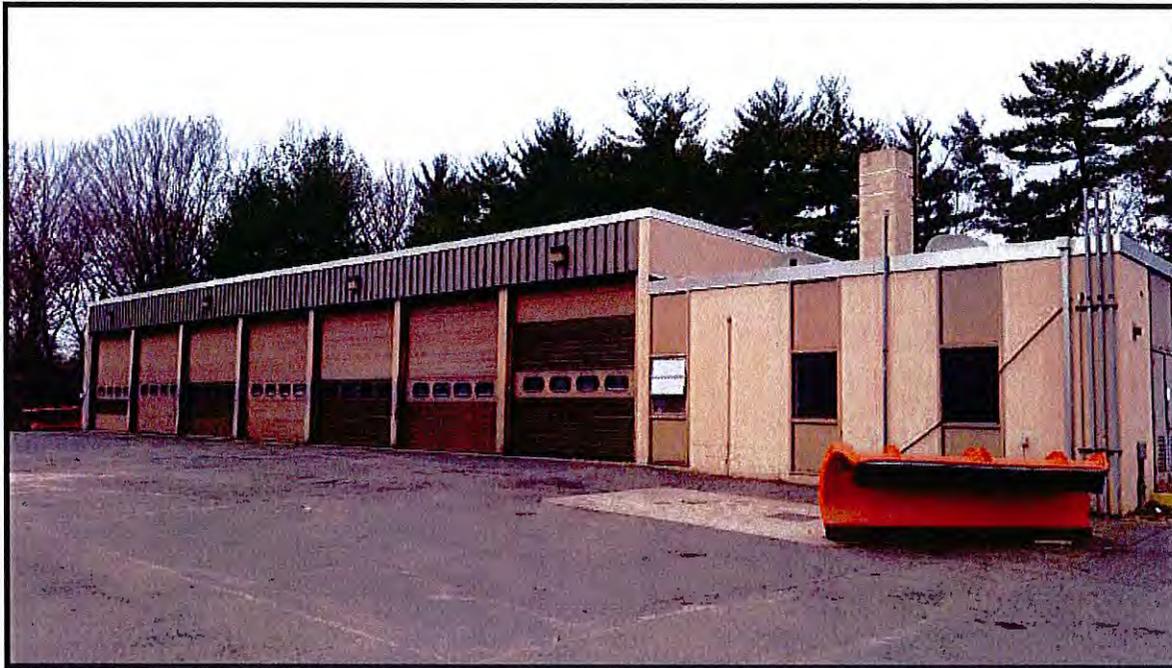


PHOTO 2. B Side.

SOUTHINGTON MAINTENANCE FACILITY, SOUTHINGTON, CT



PHOTO 3. C side.

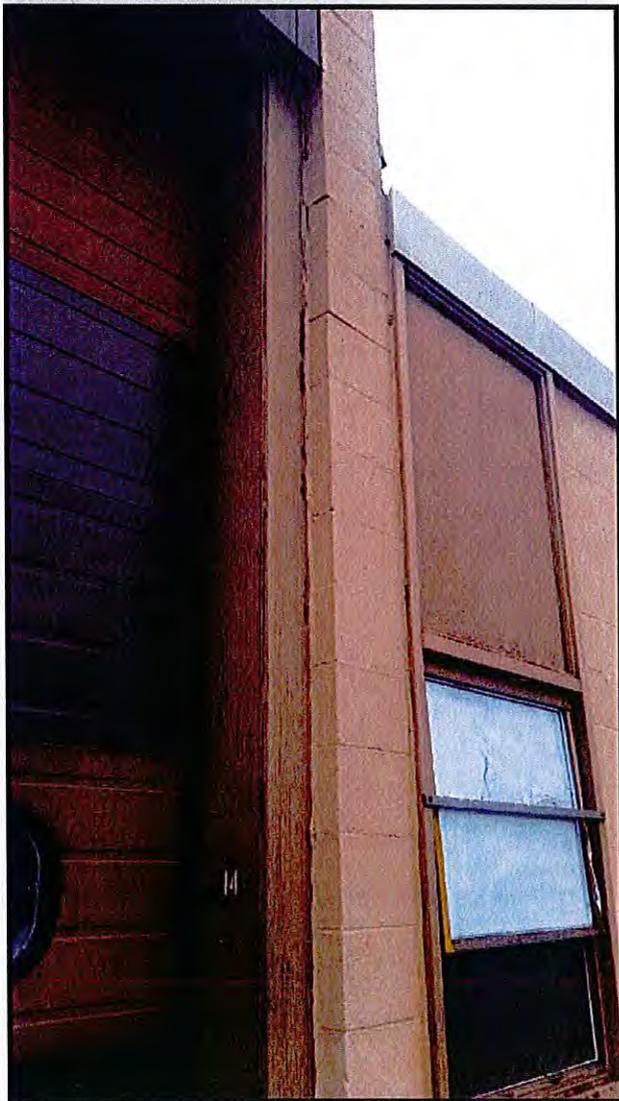


PHOTO 4.
C11.

SOUTHINGTON MAINTENANCE FACILITY, SOUTHINGTON, CT



PHOTO 5. D side.



PHOTO 6.
Window and Door Systems.

PHOTO 7.
Window and Door Systems.

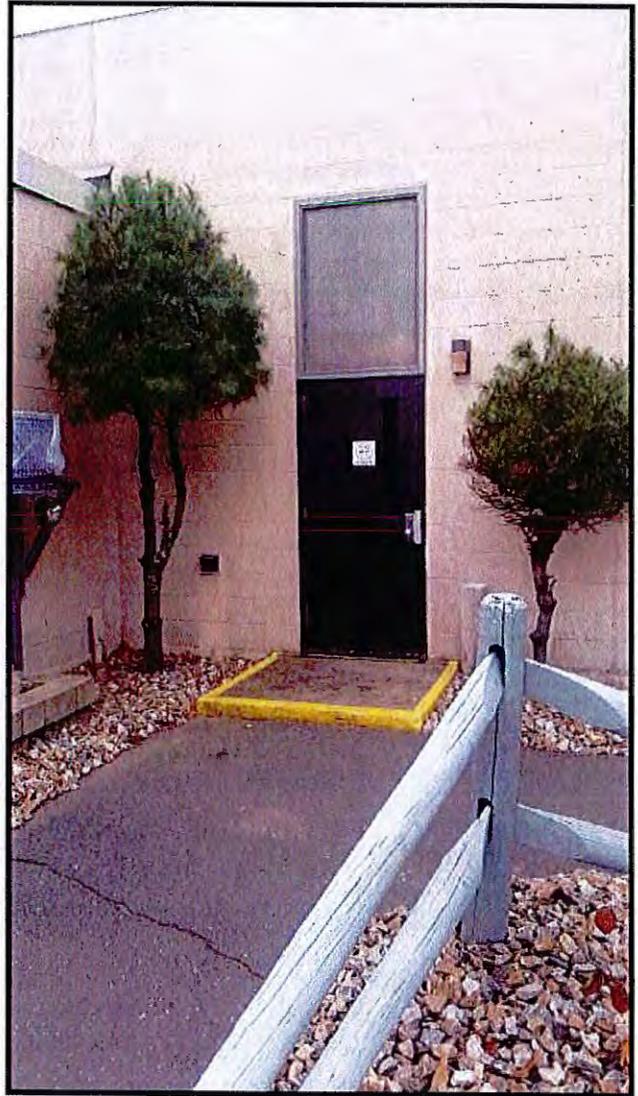


PHOTO 8.
Window and Door Systems.

PHOTO 9.
Window and Door Systems.



PHOTO 10.
Window and Door Systems.

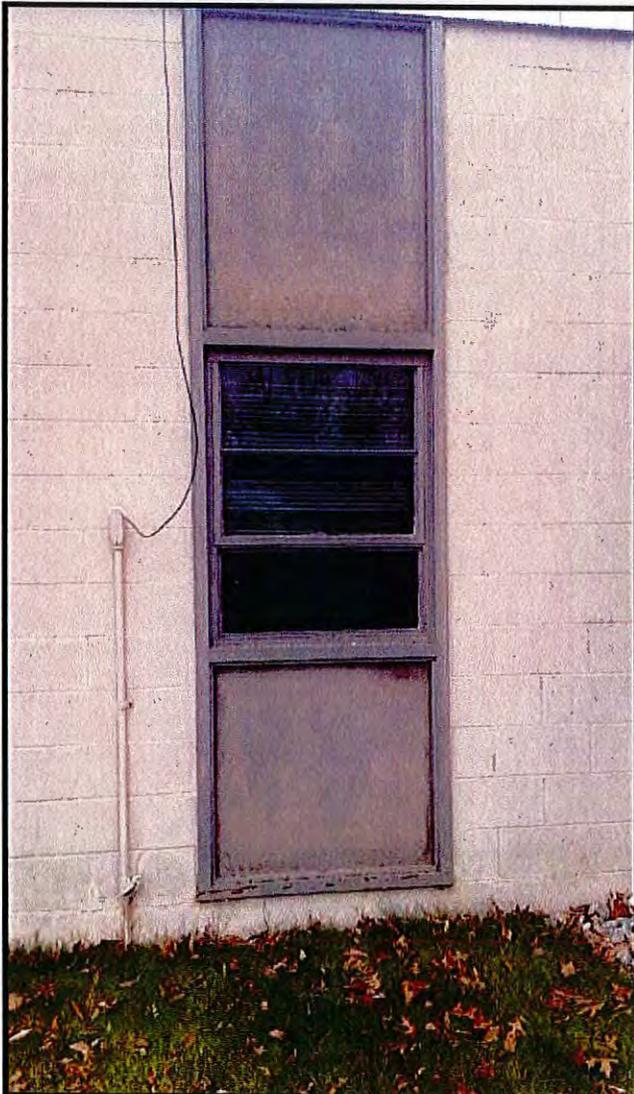


PHOTO 11.
Window and Door Systems.

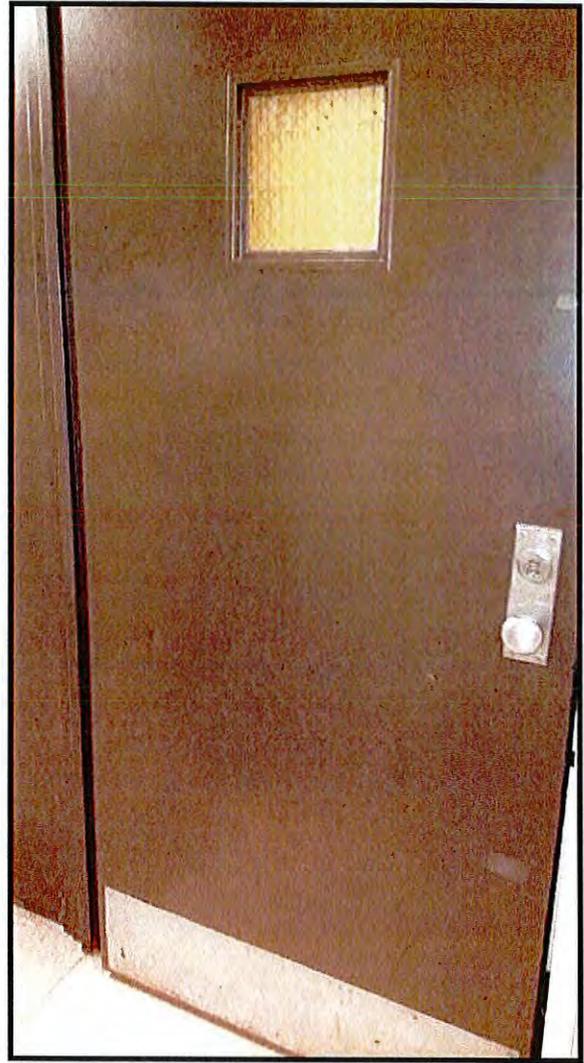
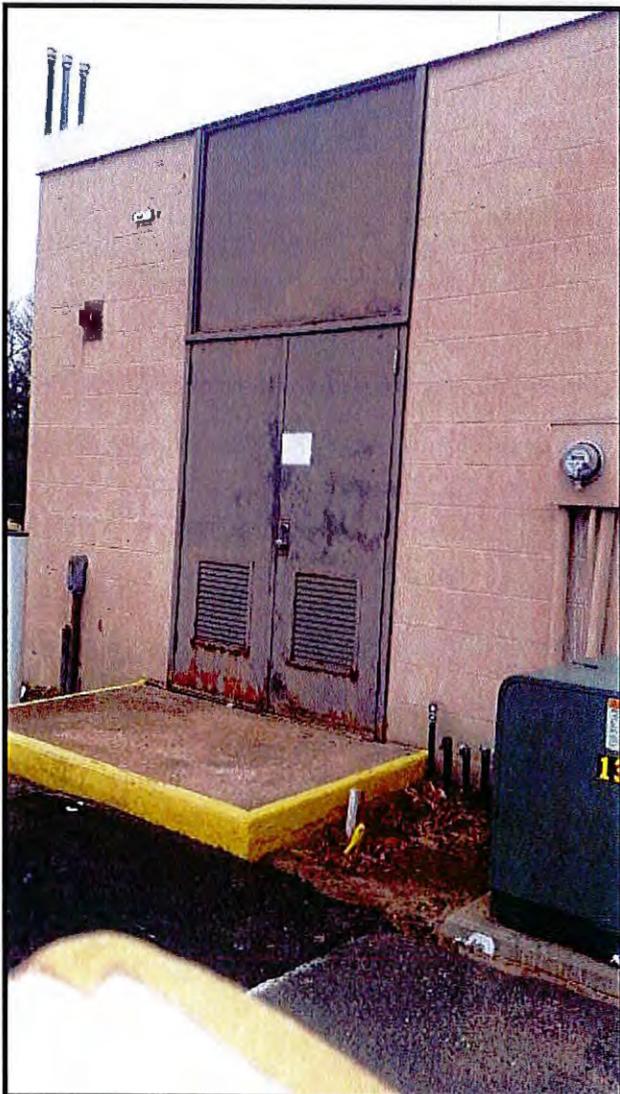


PHOTO 12.
Window and Door Systems.



PHOTO 13. Window and Door Systems.



PHOTO 14. Window and Door Systems.

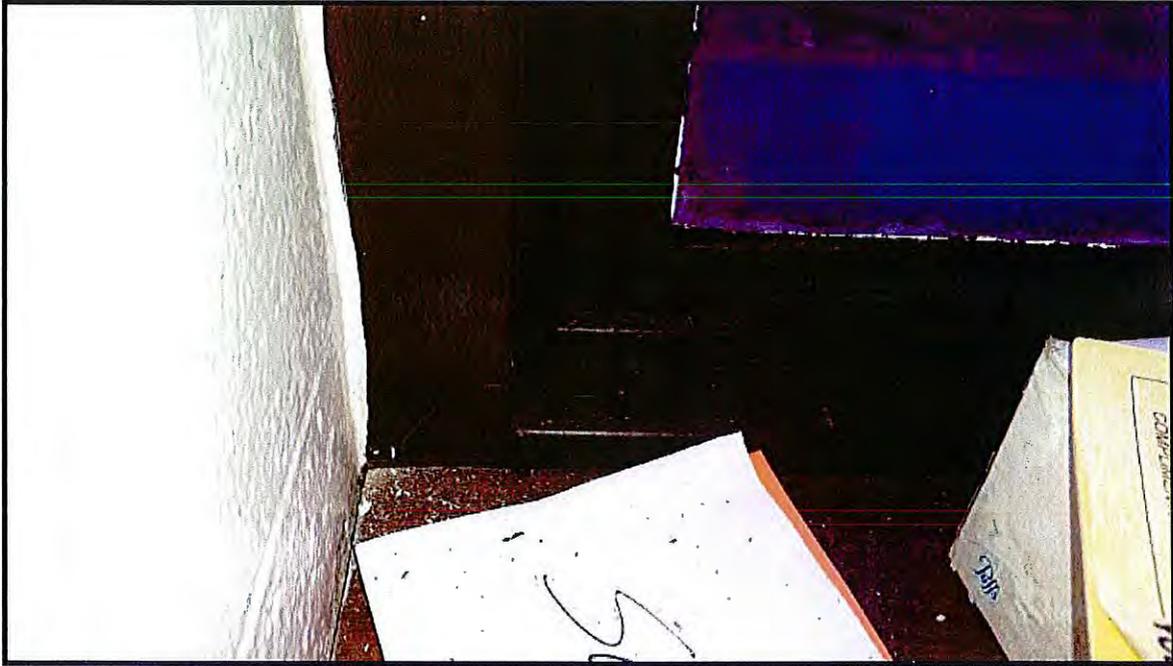


PHOTO 15. Window and Door Systems.



PHOTO 16. Window and Door Systems.



PHOTO 17. Window and Door Systems.



PHOTO 18.
Window and Door Systems.



PHOTO 19. Roof.



PHOTO 20. Roof.



PHOTO 21. Roof.

11



PHOTO 22. Roof.



PHOTO 23. Roof.



PHOTO 24. Fuel Oil UST.



PHOTO 25. Standby Generator Pad.



PHOTO 26. Fuel Island and USTs.



PHOTO 27. Fuel Island and USTs.



PHOTO 28 Fuel Island and USTs.

SOUTHINGTON MAINTENANCE FACILITY, SOUTHINGTON, CT



PHOTO 29. Groundwater Monitoring Well.



PHOTO 30.
Fuel Island and USTs.



PHOTO 31. Grinder Pump.



PHOTO 32. Grinder Pump.

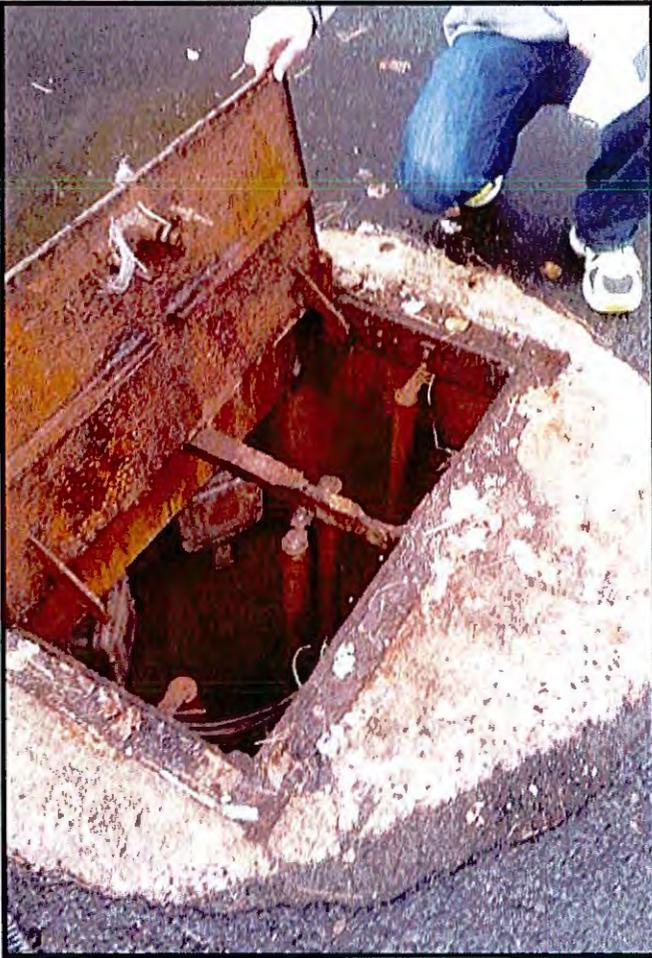


PHOTO 33.
Grinder Pump.



PHOTO 34. Oil and Water Separator.



PHOTO 35. Oil and Water Separator.

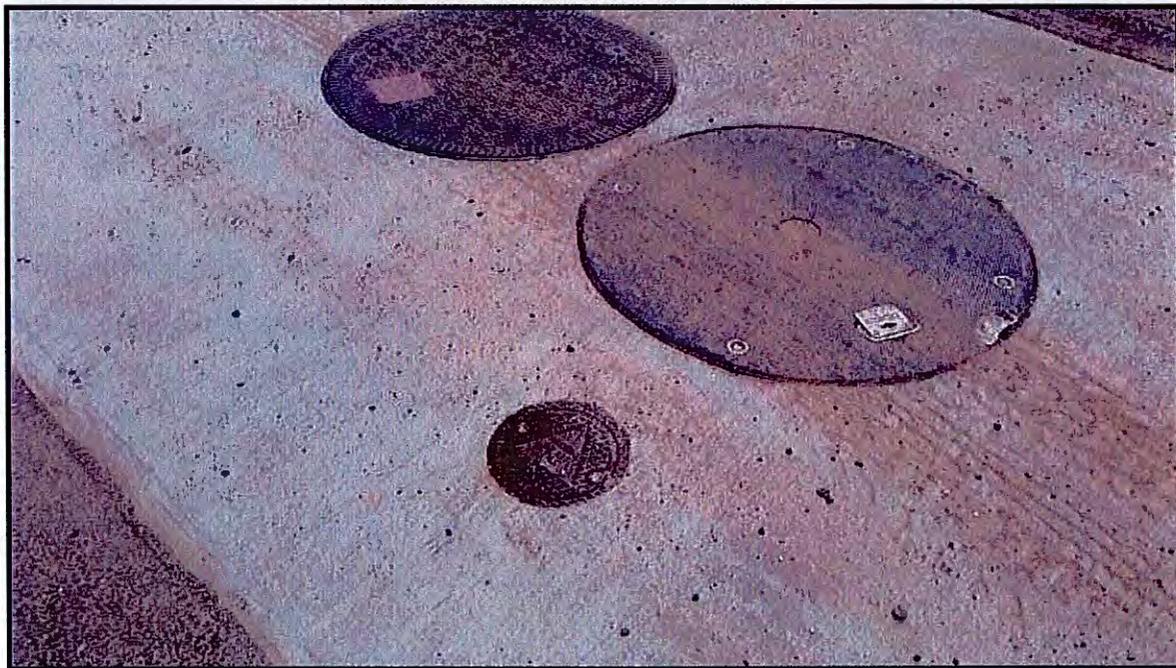


PHOTO 36. Oil and Water Separator.



PHOTO 37. Trailer.

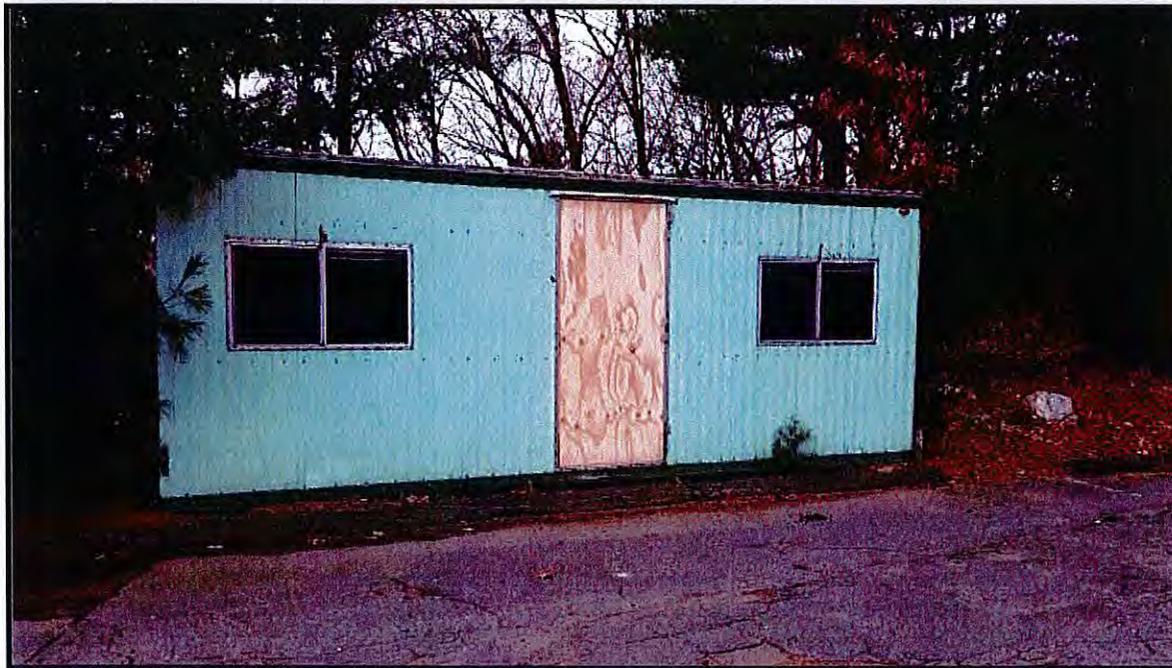


PHOTO 38. Trailer.



PHOTO 39. Trailer.

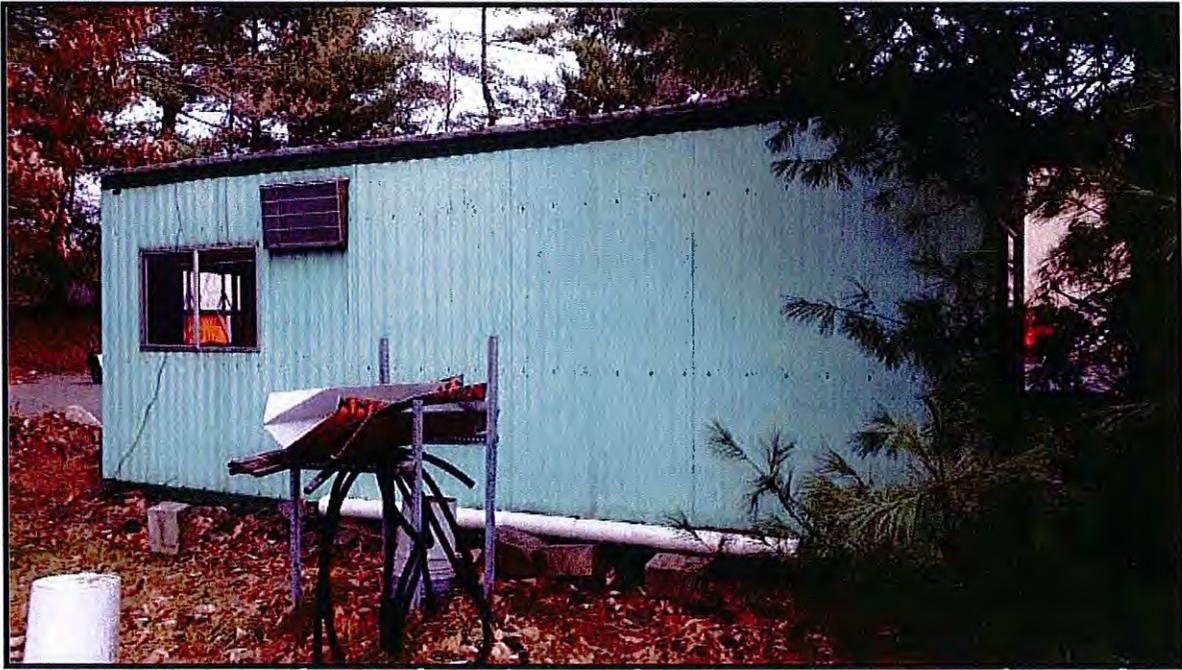


PHOTO 40. Trailer.



PHOTO 41. Salt Shed - Side A.



PHOTO 42 Inside Salt shed.



PHOTO 43. Salt Shed - Side B.



PHOTO 44. Salt Shed - Side C.



PHOTO 45. Salt Shed - Side D.



PHOTO 46. Retaining Wall To Be Removed.



PHOTO 47. Salt Shed Wall to be Removed.



PHOTO 48. Sand Pit.



PHOTO 49. Transformer - Side A.

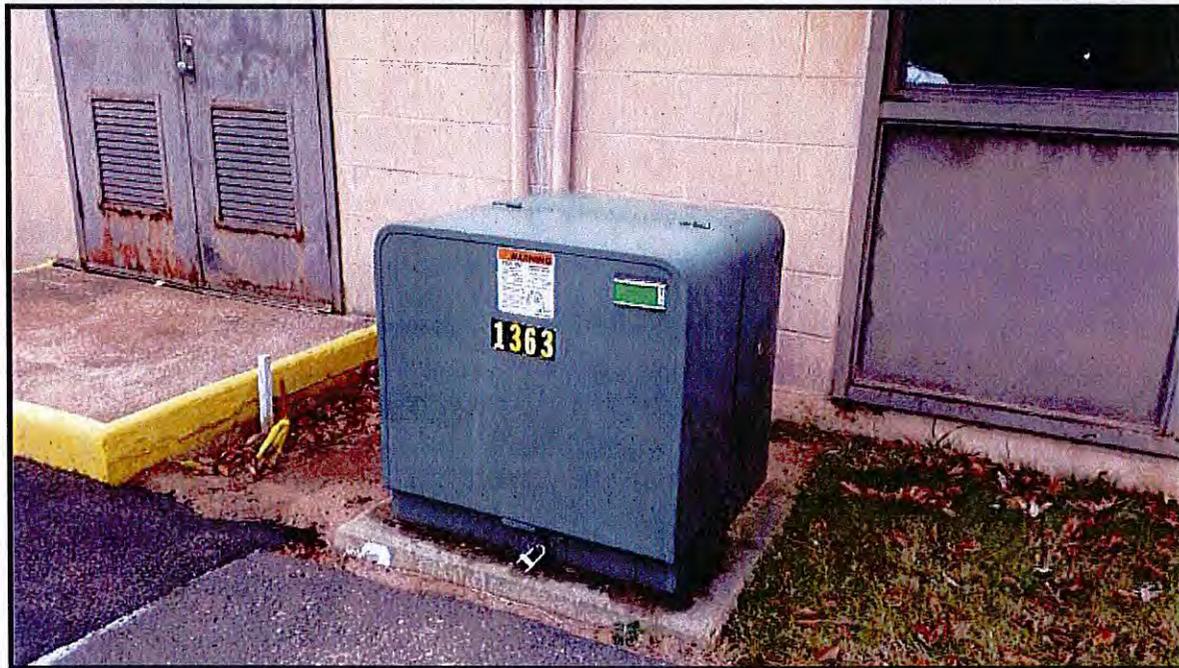


PHOTO 50. Transformer - Side A.



PHOTO 51. Tool Crib and Crew Bumpout.



PHOTO 52. Tool Crib and Crew Bumpout.



PHOTO 53. Tool Crib and Crew Bumpout.



PHOTO 54. Tool Crib and Crew Bumpout.

APPENDIX B
SITE SKETCHES



SUBJECT Southington ME - DOT

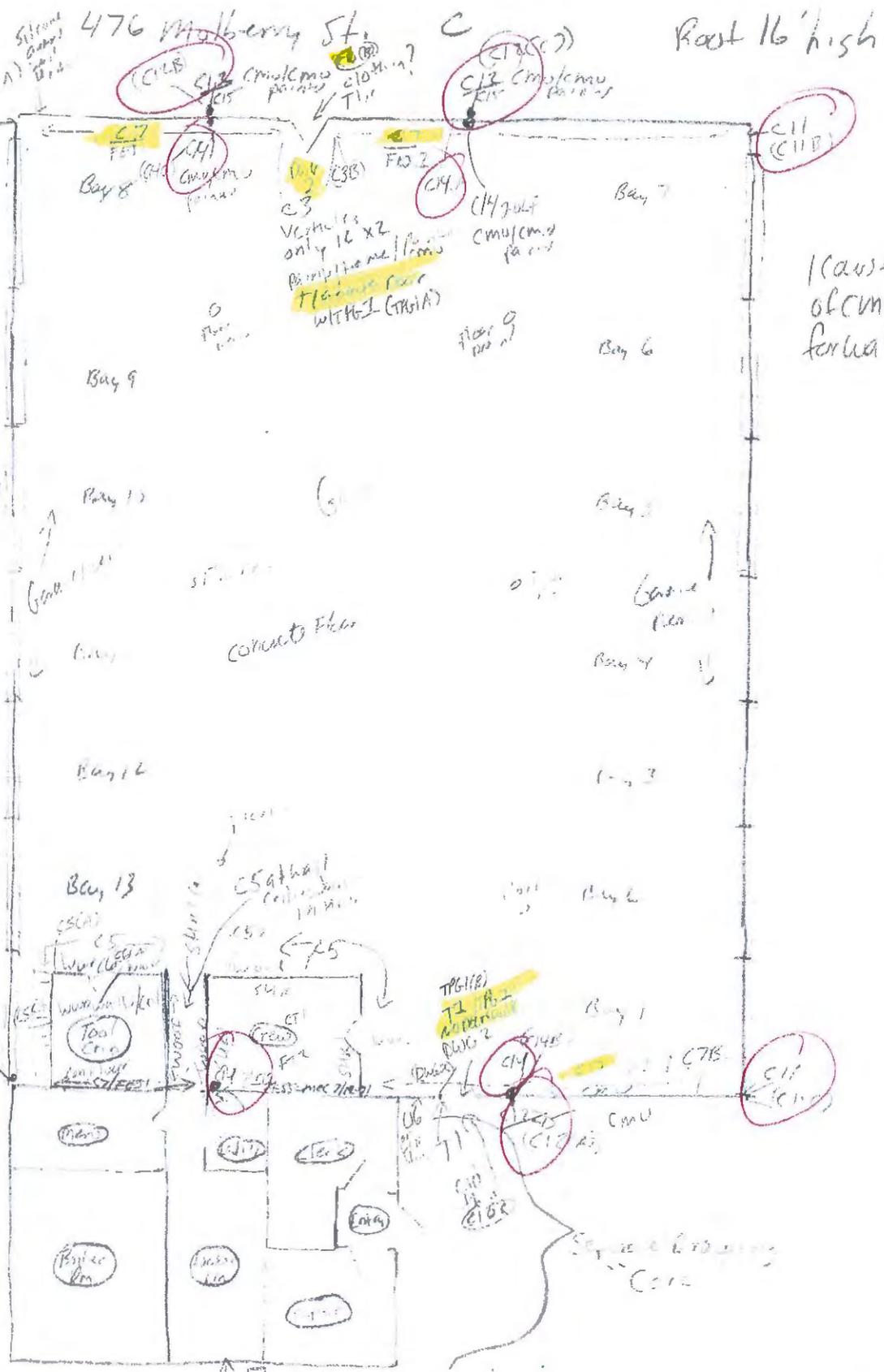
SHEET NO. 4 OF _____
 PROJECT NO. _____
 DATE 11/30/15
 BY vyk/BR
 CHK'D _____

□ = 4SF

- Overhead Doors
- Make buffer zone
- Rubber gaskets w/b
- 6 Upr. @ Coil
- All fire 10/100
- Caulk in Joints
- No caulk in Floor-Joint
- Wheel marks on concrete
- Fresh concrete
- Uninsulated

- TPG Above form or iron for Panel
- Above TPG is base office
- can be door another window - These are circ. blocked by CMU base on 10/100

- Lo Lt Area Above. Trenches + crew - North
- All fire 10/100
- C14 extends up





SUBJECT Saathington MF - ROT

SHEET NO. 6 OF _____

PROJECT NO. _____

DATE 12/3/15

BY ME/BB

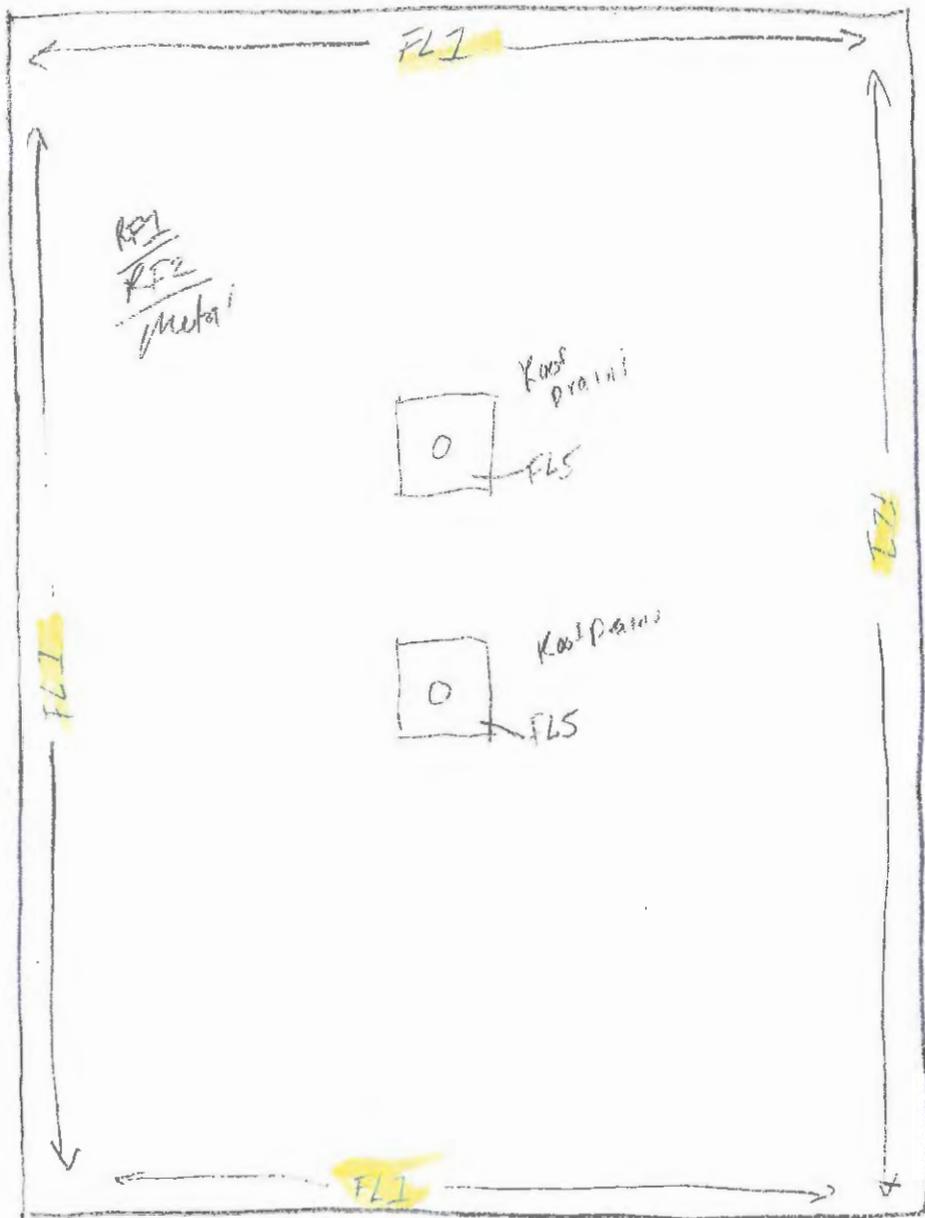
CHK'D _____

□ = 4SF

Garage Roof

FLS - Black Flashing Cement with Cray Membrane - Sampled

16' high





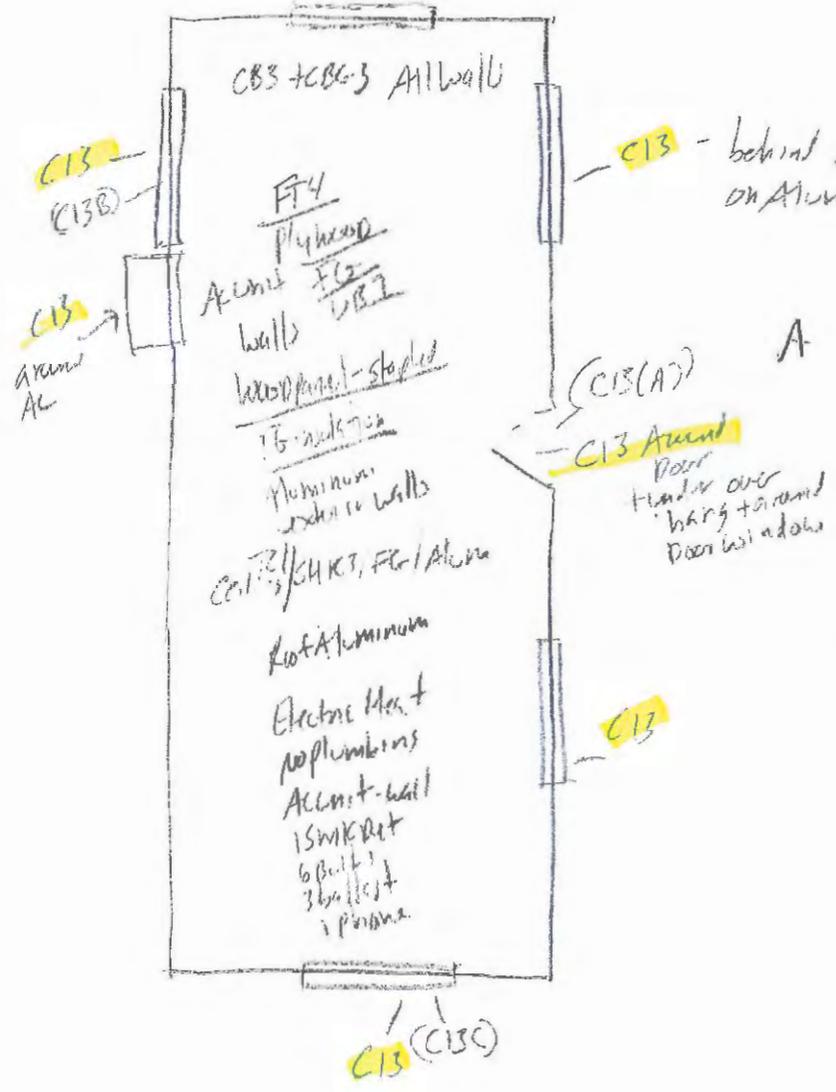
SUBJECT Sathin; for MF - DOT

□ = ISF

office trailer

Windows 2x4

Roof 7' high



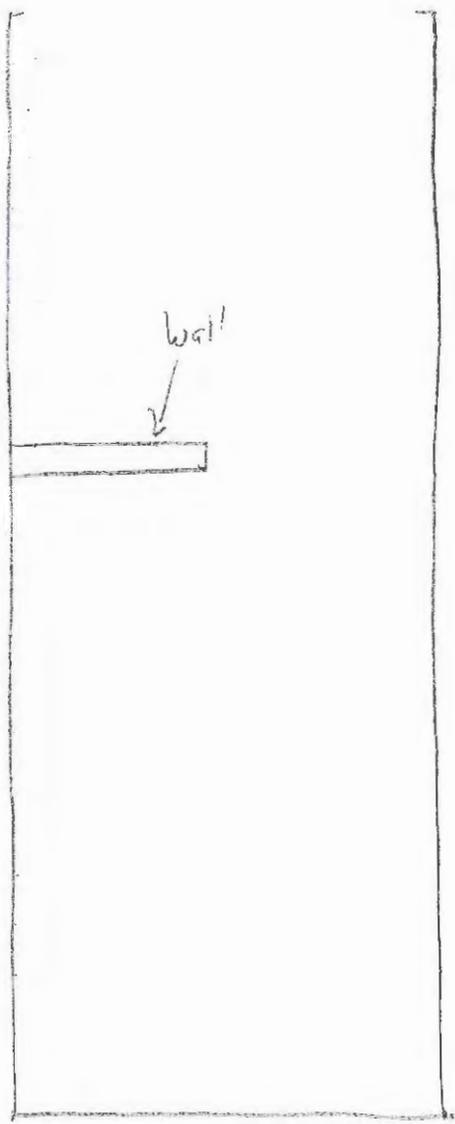
No window glare on window or door window



SUBJECT Southington MF - DOT

□ = SSF

Salt Shed



Wall - only top foot of wall exposed at time of inspection - Rest buried in salt.

Wall wrapped in timber with ply wood cap - under cap was loose stone fill and solid concrete. No seen between timbers at wall of the actual walls of Salt Shed.

- wall 9' high - 2 1/2' wide
- no paint

NPS = Not Previously Sampled



SUBJECT Saithington MI - DOT

SHEET NO. 9 OF _____

PROJECT NO. _____

DATE 11/30/15

BY MK/RB

CHK'D _____

Asbestos Materials

- v C1 - gray caulk/sealant in between window + window frame - Not Sampled (+)
- w C2 - Hard Brittle Light tan caulk - wall/joint - VOID - Actually Paint
- v C1 - Large worm / pinhole pattern - 2x4
- w C2 - Large worm pattern - 2x4
- w C3 - tan gummy / sticky door frame caulk - Resampled
- w FT2 - Resample - 12" x 12" Floor tile - brown w/ black, brown, white streaks, black marks
- w C4 - white caulk along Radiator, sink, urnals - Not Previously Sampled
- w GR1 - Brown grout between 1" x 1" light green ceramic floor tile - (NPS)
- w TS1 - Light Brown thinset under 1" x 1" light green ceramic floor tile (NPS)
- w C5 - white caulk in wood joints / moldings adjacent to the trailer / crew "bumpout" (NPS)
- w C6 - Black interior door frame caulk (NPS)
- C7 - white caulk at concrete slab / cmu - on top of FEJ2 (Not Sampled (+))
- v FEJ1 - flat tan like E. union joint process between Slab and cmu wall - Resampled
- T1 - Not Sampled (+) Trowel panel
- FT1 - Not Sampled (+) 12x12" tan with brown, orange + white streaks + black marks
- FT3 - Not Sampled (+) 12x12" olive green with white + brown streaks + black marks
- CBG1 - Not Sampled (+) brown glue assoc. with brown 5" (web on oristinal)
- SHK1 - Not Sampled (-) sheetrock w/ joint compound
- SHK2 - Not Sampled (-) sheetrock w/ no joint compound
- Ceiling tiles Resampled - did not match w/ Environmental inspection log
- WG1 - Not Sampled (+) Hard tan glazing with 4 x 3 - 3 pane windows
- w BR1 - Hard grey Breeding Cement - (NPS)
- w W4 - Not Sampled (+) Int/Ext tan/grey window glazing 4x3 1 pane windows
- G1 - Not Sampled (-) Front inspection port Gasket - Rope like
- G2 - Not Sampled (-) Front inspection port window Gasket -
- G3 - Not Sampled (-) Rear inspection port gasket - Rope like
- G4 - Not Sampled (-) Rear inspection port window gasket
- G5 - Not Sampled (-) Boiler Rib gasket - Rope like
- G6 - Not Sampled (-) boiler clearance gasket - rope like
- G7 - Not Sampled (-) Boiler Exhaust gasket - Rope like
- C8 - Gray extensive window frame caulk between window + frame - Not Sampled (+)
- VOID C9 - Caulk behind Transit, joint - VOID - Actually TPGI - Don't list on the
- C10 - tan / grey sealant to Cms ground exterior door frame) - Resample

NPS - Not Previously Sampled

SHEET NO. 10 OF _____

PROJECT NO. _____

DATE 12/1/15

BY mt/br

CHK'D _____



SUBJECT Southington MF Det

- ✓ C11 - off white ^{used} Buildings caulk @ column/cmu joint - exterior - Resample
- ✓ C12 - Tan Gemma Buildings caulk - exterior - Expansion joint - Resample
- ✓ C13 - Gray putty like caulk behind Aluminum window frame (NPS)
- ✓ FT4 - 12'x12" Flexible, tan, with translucent yellowing (NPS)
- ✓ CB3 - Beige 4" base (NPS)
- ✓ CG3 - Cream colored glue Assoc with CB3 (NPS)
- ✓ SBR3 - off white ceiling sheetrock - NOTC (NPS)
- ✓ TC1 - Textured coating Assoc with SBR3 (NPS)
- ✓ C14 - Resampled - Interior hard tan wall expansion joint caulk
- ✓ C15 - Hard gray exterior expansion joint caulk - wall - under C13 (NPS)
- ✓ C16 - Hard, white caulk - around electrical meter, 12, wall hydrant (NPS)
- ✓ C17 - Gray caulk above metal counter flashing - Resampled
- FL1 - Not sampled (+)
- FL2 - Not sampled (+)
- FL3 - Not sampled (+)
- FL4 - Not sampled (+)
- FL5 - Sampled - not previously sampled
- RF1 - Resampled - 1 on each roof
- CB1 - Resampled - 4" Brown Carbide - Resubmit? - glue (+) -
- G8 - Not sampled (-) Burner Gasket - Apple
- G9 - Not sampled (-) Burner Plate Gasket like
- DW61 - tan ^{1/8"} bubble door window gree - 24" x 36" window - Not sampled
- DW62 - " " - 34" x 6" window - Not sampled
- DW63 - " " - 12" x 12" window - Not sampled

Description - on Roof Drawing

SUBJECT Southington MFHazwaste ListOffice CoreLocker Room

- 10 - 4ft fluorescent tube lights
- 1 window mounted A/C unit
- 5 ballasts
- 4 halogen bulbs
- 1 water fountain

Entrance Foyer

- 3 - 2ft fluorescent tube lights
- 2 ballasts
- 2 halogen bulbs
- 2 fire extinguishers

Men's Room

- 4 - 4ft fluorescent tube lights
- 2 ballasts
- 1 halogen bulb
- Misc. aerosol spray cans
- Misc. gallons bottles bleach/bleeners

Supervisor Office

- 1 window mounted A/C unit
- 4 - 4ft fluorescent tube lights
- 3 ballasts
- 1 halogen bulb
- 1 fire extinguisher

Wash Room

- 3 bulbs
- 2 ballasts

Tool Crib

- various paints/bleeners/aerosols
- gallons/gallons
- oils

Crew Room

- 8 - 4ft fluorescent tube lights
- 6 ballasts
- 2 halogen bulb emergency lights

Boiler Room

- 2 - 4ft fluorescent tubes
- 1 ballast
- fire extinguisher

Clerk Room

- 6 - 4ft fluorescent tube lights
- 6 ballasts
- 1 window mounted A/C unit
- 2 halogen bulbs
- Misc. aerosol spray cans



SUBJECT Southington Mf

Hazwaste List

Garage

- 19 halogen bulbs
- 1 emergency halogen flood light
- numerous oil/gas sump oil drums
- Acetylene tanks
- 5 gallon buckets of chemicals
- Oxygen tanks
- 3 fire extinguishers
- 20 ballasts

Exterior Main building

- 12 halogen flood lights
- 1 transformer/generator
- 12 ballasts

Office area

- 6 - 75w fluorescent tube lights
- 3 ballasts
- 1 wall mounted A/C unit

Exterior

- 1 diesel pump
- 1 gas pump
- 1 fuel management unit
- 1 - 4000 gallon UST - diesel
- 1 - 4000 gallon gas UST
- 1 - 2000 fuel oil UST
- 1 - 1000 gallon oil/water separator



SARINGTON MF - DOT
SUBJECT PCB Samples

- C1 - 3 samples All in core Submit
- C2 - 1 sample - Not sampled - VOID - Actually paint
- C3 - 2 samples , Core + Garage Submit
- C4 - 2 samples - Core Submit
- C5 - 3 samples Garage Submit
- C6 - 1 sample Garage Submit
- C7 - 3 samples Core + Garage Don't submit - Presence
- C8 - 3 samples Core
- C9 - 3 samples VOID ~~#~~ Actually TRG 7 Submit
- C10 ? 1, 2, 3? Core + Garage Submit
- C11 - 3 samples Garage - Presence CMU/Metal
- C12 - 3 samples Garage - Presence CMU
- C13 - 2 samples Trailer Submit
- DWG-1 - 1 sample Core Submit
- DWG-2 - ~~MAN~~ - 1 sample only Core + Garage Submit
- DWG-3 - 1 sample ~~NONE~~ Core Presence Metal/Glass
- WG-1 - 3 samples Core Submit
- WG-2 - 2 samples Core Submit
- C14 3 samples Garage presence CMU
- C15 3 samples Garage presence CMU
- TRG 7 3 samples Core + Garage Submit
- C16 - 2 samples Core + Garage Submit
- C17 3 samples Core/Garage connection @ Roofline Proc Metal/CMU

C1 - metal

APPENDIX C

TRC INSPECTORS LICENSES/CERTIFICATIONS



State of Connecticut

Lookup Detail View

Name

Name
MICHAEL C KOSTRUBA

License Information
lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	694	11/30/2015	01/08/2008	Michael C. Kostruba	ACTIVE	None

Generated on: 1/5/2016 10:32:41 AM



Certificate of Training

Awarded to

MICHAEL KOSTRUBA

*For successful completion of a 4 Hour, 1/2 Day
Asbestos Building Inspector
Annual Refresher Training
August 19, 2015*

This training was approved and given in accordance with the
Regulations for Connecticut State Agencies
RCSA 20 - 440 - 1-9 and RCSA 20 - 441 and meets the
requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

Mystic Air Quality Consultants, Inc.

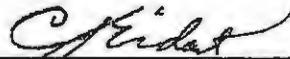
1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: ABIRF24280

Exam Grade: 95

Expiration Date: 08/19/2016

Exam Date: 08/19/2015



Christopher J. Eident, CIH, CSP, RS



George Williamson, Training Director

Richard Haffey, Training Director



1001708 01 AV 0.300 MAJIC 19 11564 06070 111506 CT 0172911



MICHAEL C. KOSTRUBA
6 LARK RD
SIMSBURY CT 06070-1115



Dear MICHAEL C. KOSTRUBA,

Attached you will find your validated certificate for the coming year. Should you have any questions about your certificate renewal, please do not hesitate to write or call:

Department of Public Health
P.O. Box 340308
M.S.#12MQA
Hartford, CT 06134-0308

(860) 509-7603
oplc.dph@ct.gov
www.ct.gov/dph/license

Sincerely,

JEWEL MULLEN, MD, MPH, MPA, COMMISSIONER
DEPARTMENT OF PUBLIC HEALTH

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

NAME

MICHAEL C. KOSTRUBA

VALIDATION NO. 03-347169
CERTIFICATE NO. 002207
CURRENT THROUGH 11/30/16

PROFESSION

LEAD INSPECTOR RISK ASSESSOR

SIGNATURE: _____
COMMISSIONER

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT

THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A
LEAD INSPECTOR RISK ASSESSOR

MICHAEL C. KOSTRUBA

CERTIFICATE NO.
002207

CURRENT THROUGH
11/30/16

VALIDATION NO.
03-347169

SIGNATURE: _____
COMMISSIONER

1001788-0001795-00000001 of 0003001-CC1-a1d00101-1564-01791

CERT# L-600 - 822

CHEMSCOPE TRAINING DIVISION
LEAD INSPECTOR/RISK ASSESSOR REFRESHER
8 HOUR TRAINING CERTIFICATE
Michael Kostruba
21 Griffin Road North , Windsor CT

Has attended an 8 hour course on the subject discipline in English on
11/6/2015 and has passed a written and hands on skills examination.

The above individual has successfully completed the above training course approved in accordance with the Department of Public Health Standards established pursuant to Section 20-477 of the Connecticut General Statutes.

Course syllabus includes all required topics of State of Connecticut DPH and EPA.

Examination Date: 11/6/2015

Expiration Date: 11/6/2016

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (U.S.C. 1001 and 15 U.S.C. 2615), I certify that this training complies with all applicable requirements of Title IV of TSCA, 40 CFR part 745 and any other applicable Federal, State, or local requirements.



Ronald D. Arena
Training Manager

Chem Scope, Inc.
15 Moulthrop Street
North Haven CT 06473
(203) 865-5605



State of Connecticut

Lookup Detail View

Name

Name
BRIAN P BEHRENS

License Information
lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	857	05/31/2016	07/22/2013	BRIAN P BEHRENS	ACTIVE	None

Generated on: 1/5/2016 10:24:08 AM

CERTIFICATE OF ACHIEVEMENT

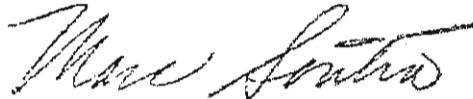
This certifies that

Brian Behrens

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

conducted by

Carbio, LLC
72 William Franks Drive
West Springfield, MA 01089
413-781-0570



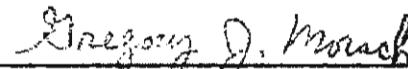
Principal Instructor: Marc Soutra

December 18, 2014

Date of Course

December 18, 2015

Expiration Date



Regional Training Manager: Gregory Morsch

SIAR-5017

Certificate Number

December 18, 2014

Examination Date

Thermo
SCIENTIFIC

Online Training Certificate

This is to certify that

Brian Behrens

has successfully completed

**Sealed Source XRF
U.S. Licensing and Regulations Overview**

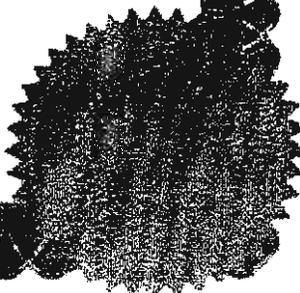
On

February 1, 2013

I certify that the participant named above
completed this training course.



Jason E. Kolbenson
Training Program Manager



Thermo
SCIENTIFIC

Online Training Certificate

This is to certify that

Brian Behrens

has successfully completed

Sealed Source XRF - Radiation Safety

On

February 1, 2013

I certify that the participant named above
completed this training course.


Jason E. Kolbenson
Training Program Manager

APPENDIX D

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

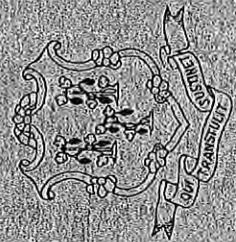
AND REGISTERED IN THE NAME OF Erik Plimpton

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:

BUILDING MATERIALS
ASBESTOS FIBERS - 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 29th DAY OF APRIL, 2015

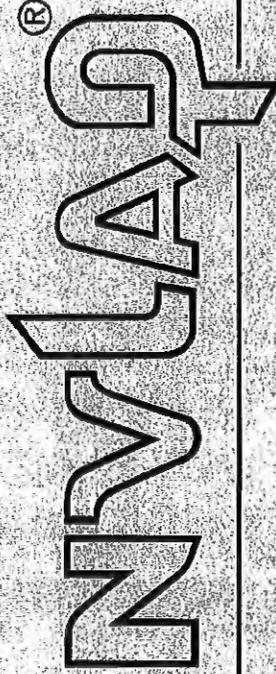


Registration No.

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

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).

2015-06-22 through 2016-06-30

Effective Dates



A handwritten signature in black ink, appearing to read "William R. Murphy".

For the National Voluntary Laboratory Accreditation Program



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TRC Environmental Corporation

21 Griffin Road North

Windsor, CT 06095

Ms. Kathleen Williamson

Phone: 860-298-6392 Fax: 860-298-6214

Email: kwilliamson@trcsolutions.com

<http://www.trcsolutions.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 101424-0

Bulk Asbestos Analysis

Code

Description

18/A01

EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

A handwritten signature in black ink, appearing to read "William R. Murphy".

For the National Voluntary Laboratory Accreditation Program

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.

LOCATED AT 22 Cummings Park IN Woburn, MA 01801

AND REVERSE SIDE IN THE NAME OF Harvey Yee WHO HAS BEEN DESIGNATED
THIS CERTIFICATE IS ISSUED IN THE NAME OF Aimee Conner
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

ASBESTOS

Bulk Identification (PLM + TEM)
Air-Fiber Counting (PCM + TEM)

ENVIRONMENTAL HEALTH & HOUSING

Lead in Paint
Lead (Paint) in Soil
Lead in Dust Wipes

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

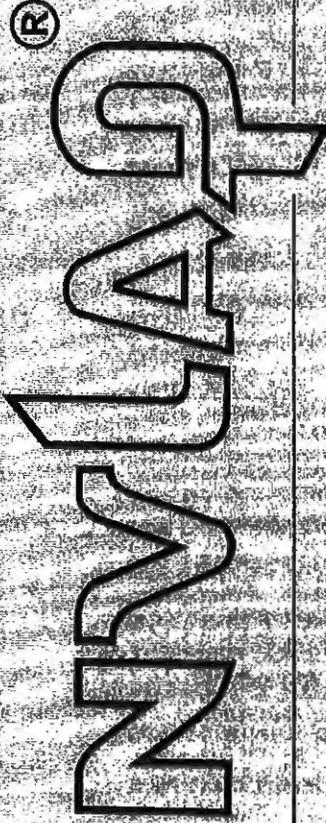
THIS CERTIFICATE EXPIRES December 31, 2016 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH
DATED AT HARTFORD, CONNECTICUT THIS 8th DAY OF December 2014



Registration #
PH-0209

SUZANNE BLAIN-CAYLOR, 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

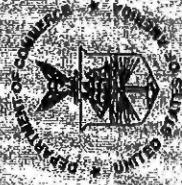
is accredited by the National Voluntary Laboratory Accreditation Program for specific services listed on the Scope of Accreditation for

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/IEC-IAF Communique dated January 2009).

2015-01-01 through 2015-12-31

Effective dates



A handwritten signature in black ink, appearing to read "W. R. M. L. D.", is written over the NIST seal.

For the National Institute of Standards and Technology



**National Voluntary
Laboratory Accreditation Program**



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

ProScience Analytical Services, Inc.

22 Cummings Park

Weburn, MA 01801-2122

Ms. Aimee Cormier

Phone: 781-935-3212 Fax: 781-932-4857

E-Mail: aimes.cormier@proscience.net

URL: <http://www.proscience.net>

BULK ASBESTOS FIBER ANALYSIS (PLM)

NVLAP LAB CODE 200090-0

<i>NVLAP Code</i>	<i>Designation / Description</i>
18/A01	EPA 600/M4-82-020: Interim Method for the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

2015-01-01 through 2015-12-31

Effective dates

For the National Institute of Standards and Technology

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

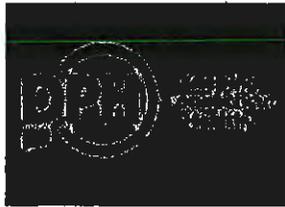
REACTIVITY

SPLP LEACH (1312)

TCLP LEACH (1311)

PESTICIDES/ PCB'S

CHLORDANE (TECHNICAL)



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 E

**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

LAB ID #. 47309

PROJECT NUMBER 222165.5186.0710			PROJECT NAME DOT Maintenance Facility, 476 Mulberry St., Southington, CT			PARAMETERS			TURNAROUND TIME						
									PLM:	8hr	24hr	48hr	x	3day	
SIGNATURE 			INSPECTOR Michael Kostruba			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)	MATERIAL				
											FIELD SAMPLE NUMBER	DATE	TIME	TYPE	
			COMP	GRAB											
1	11-30-15	1415		X	Garage-C wall					X	C3-Tan, gummy sticky door frame caulk-RESAMPLE				
2	11-30-15	1335		X	Mens Rm	x					C4-White caulk around radiator,sink and urinals				
3	11-30-15	1337		X	Mens Rm	x				X	C4-Hard white caulk around radiator,sink and urinals				
4	11-30-15	1400		X	Garage-Tool Crib Wall	X					C5-Pliable white caulk in wood wall/molding joints				
5	11-30-15	1402		X	Garage- Hall to Locker Rm					X	C5-Pliable white caulk in wood wall/molding joints				
6	11-30-15	1405		X	Tool Crib	X					C6-Black interior door frame caulk				
7	11-30-15	1407		X	Tool Crib	x				X	C6-Black interior door frame caulk				
8	12-1-15	1102		X	Boiler Rm-Exterior- A Side					X	C10-Offwhite exterior door frame caulk-thin bead-RESAMPLE				
9	12-1-15	1115		X	Garage-Exterior-B Side					X	C11-Offwhite hard pliable caulk at column/CMU joint-RESAMPLE				
10	12-1-15	1125		X	Garage-Exterior-C Side					X	C12-Tan gummy exterior wall expansion joint caulk-RESAMPLE				

Relinquished by: (Signature) 	Date: 12-3-15	Received by: (Signature) <u>12/3/15</u> 	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Michael Kostruba	Time: 1615	(Printed) <u>1630</u> 	(Printed)	Time:	(Printed)

"RESAMPLED" are TEM only, PLM data already exists for these samples.
Send results to Erik Plimpton

Condition of Samples:
Acceptable: Yes No
Comments:

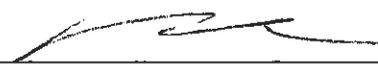
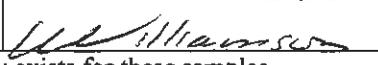


21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 47309

PROJECT NUMBER 222165.5186.0710			PROJECT NAME DOT Maintenance Facility, 476 Mulberry St., Southington, CT			PARAMETERS				TURNAROUND TIME									
										PLM:	8hr	24hr	48hr	x	3day				
SIGNATURE 			INSPECTOR Michael Kostruba			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)	MATERIAL								
											FIELD SAMPLE NUMBER	DATE	TIME	TYPE		SAMPLE LOCATION			
			COMP	GRAB															
11	12-1-15	1405		X	Trailer-Exterior-A Side	x													C13-Grey putty like window and door frame caulk
12	12-1-15	1400		X	Trailer- Exterior-B Side	x				x									C13-Grey putty like window and door frame caulk
13	11-30-15	1430		X	Garage-C Wall- Bay 7					X									C14-Hard tan interior wall expansion joint caulk- RESAMPLE
14	12-2-15	1150		X	Garage-Exterior-A Side	X													C15-Hard grey exterior wall expansion joint caulk under C12
15	12-2-15	1155		X	Garage- Exterior-C Side	x				X									C15-Hard grey exterior wall expansion joint caulk under C12
16	12-2-15	1250		X	Office Core-Exterior-A Side	X													C16-Hard white caulk around electrical meter, wall hydrant and AC units
17	12-2-15	1251		X	Garage-Exterior-A Side	x				X									C16-Hard white caulk around electrical meter, wall hydrant and AC units
18	12-3-15	1030		X	Roof 1- Office Core	X													C17-Brittle Grey caulk above metal counter flashing
19	12-3-15	1032		X	Roof 1- Office Core	x				X									C17-Brittle Grey caulk above metal counter flashing

Relinquished by: (Signature) 	Date: 12-3-15	Received by: (Signature) <u>12/3/15</u> 	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Michael Kostruba	Time: 1615	(Printed) <u>1630</u> 	(Printed)	Time:	(Printed)
"RESAMPLED" are TEM only, PLM data already exists for these samples. Send results to Erik Plimpton			Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Comments:		Page 2 of 7



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WINDSOR, CONNECTICUT 06095
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ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 47309

PROJECT NUMBER 222165.5186.0710	PROJECT NAME DOT Maintenance Facility, 476 Mulberry St., Southington, CT	PARAMETERS	TURNAROUND TIME					
			PLM:	8hr	24hr	48hr	x	3day
			TEM:	24hr	48hr	x	3day	5day

SIGNATURE 	INSPECTOR Michael Kostruba					
----------------------	--------------------------------------	--	--	--	--	--

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)	MATERIAL
			COMP	GRAB							
20	11-30-15	1204		X	Crew Rm	X					CT1-2'x4' white ceiling tile with large worm/pinhole pattern
21	11-30-15	1200		X	Supervisor Rm	X					CT1-2'x4' white ceiling tile with large worm/pinhole pattern
22	11-30-15	1205		X	Locker Rm	X					CT2-2'x4' large crater pattern white ceiling tile
23	11-30-15	1208		X	Locker Rm	X					CT2-2'x4' large crater pattern white ceiling tile
24	11-30-15	1345		X	Mens Rm	X					TS1-Light brown thinset under 1"x1" light green ceramic floor tile
25	11-30-15	1347		X	Mens Rm	X					TS1-Light brown thinset under 1"x1" light green ceramic floor tile
26	11-30-15	1342		X	Mens Rm	X					GR1- Brown grout between 1"x1" light green ceramic floor tile
27	11-30-15	1340		X	Mens Rm	X					GR1- Brown grout between 1"x1" light green ceramic floor tile

Relinquished by: (Signature) 	Date: 12-3-15	Received by: (Signature) <i>[Signature]</i>	Date:	Received by: (Signature)
(Printed) Michael Kostruba	Time: 1615	(Printed) <i>[Signature]</i>	Time: 1630	(Printed)

"RESAMPLED" are TEM only, PLM data already exists for these samples.
Send results to Erik Plimpton

Condition of Samples: _____
Acceptable: Yes No
Comments: _____

Page 3 of 7



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ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 47309

PROJECT NUMBER 222165.5186.0710	PROJECT NAME DOT Maintenance Facility, 476 Mulberry St., Southington, CT	PARAMETERS	TURNAROUND TIME					
			PLM:	8hr	24hr	48hr	x	3day
			TEM:	24hr	48hr	x	3day	5day

SIGNATURE 	INSPECTOR Michael Kostruba		MATERIAL			
----------------------	--------------------------------------	--	-----------------	--	--	--

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)	MATERIAL
			COMP	GRAB							
28	11-30-15	1352		X	Ladies Rm	X		x			CB2/CBG2-Brown 4" cove base with cream covebase glue
29	11-30-15	1350		X	Ladies Rm	x		X		X	CB2/CBG2-Brown 4" cove base with white covebase glue
30	12-1-15	1250		X	Trailer	X		x			CB3/CBG3-Beige 4" covebase with cream covebase glue
31	12-1-15	1250		X	Trailer	x		x		X	CB3/CBG3-Beige 4" covebase with cream covebase glue
32	12-1-15	1308		X	Trailer	X					VB1-Light brown paper vapor barrier
33	12-1-15	1307		X	Trailer	X					VB1-Light brown paper vapor barrier
34	12-1-15	1303		X	Trailer	X					TC1-White textured ceiling coating
35	12-1-15	1304		X	Trailer	X					TC1-White textured ceiling coating
36	12-1-15	1303		X	Trailer	X					TC1-White textured ceiling coating
37	12-1-15	1302		X	Trailer	X					SHR3-Offwhite ceiling sheetrock-no joint compound

Relinquished by: (Signature) 	Date: 12-3-15	Received by: (Signature) <u>12/3/15</u> 	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Michael Kostruba	Time: 1615	(Printed) <u>1630</u> 	(Printed)	Time:	(Printed)

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Send results to Erik Plimpton

Condition of Samples: _____
Acceptable: Yes No
Comments:



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 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 #. 47309

PROJECT NUMBER 222165.5186.0710			PROJECT NAME DOT Maintenance Facility, 476 Mulberry St., Southington, CT			PARAMETERS				TURNAROUND TIME						
										PLM:	8hr	24hr	48hr	x	3day	
SIGNATURE 			INSPECTOR Michael Kostruba			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	x	3day	5day	
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)	MATERIAL					
			COMP	GRAB												
38	12-1-15	1302		X	Trailer	X					SHR3-Offwhite ceiling sheetrock-no joint compound					
39	12-1-15	1042		X	Office Core-Exterior-B Side					X	SEJ1-Black tar-like sidewalk expansion joint material-RESAMPLE					
40	11-30-15	1420		X	Garage-C Side-Bay 7					X	FEJ1-Black tar-like floor expansion joint material-RESAMPLE					
41	12-1-15	0917		X	Boiler Rm	X					BR1-Hard grey breaching cement at chimney penetration					
42	12-1-15	0917		X	Boiler Rm	X					BR1-Hard grey breaching cement at chimney penetration					
43	12-1-15	0920		X	Boiler Rm	X					BR1-Hard grey breaching cement at chimney penetration					
44	12-1-15	1502		X	Fuel Island-Gas Pump	x					PP1-Grey pump penetration putty					
45	12-1-15	1500		X	Fuel Island-Gas Pump	x				X	PPI-Grey pump penetration putty					
46	11-30-15	1315		X	Crew Rm			X		x	FT2-12"x12" floor tile, brown with black , brown, white streaks and black mastic-RESAMPLE					

Relinquished by: (Signature) 	Date: 12-3-15	Received by: (Signature) <i>12/3/15</i> 	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Michael Kostruba	Time: 1615	(Printed) <i>1630</i> 	(Printed)	Time:	(Printed)

“RESAMPLED” are TEM only, PLM data already exists for these samples.
 Send results to Erik Plimpton

Condition of Samples: _____
 Acceptable: Yes No _____
 Comments:

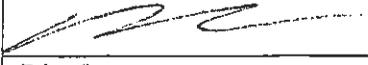
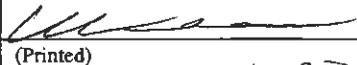


21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

LAB ID #. 47309

PROJECT NUMBER 222165.5186.0710			PROJECT NAME DOT Maintenance Facility, 476 Mulberry St., Southington, CT			PARAMETERS					TURNAROUND TIME				
											PLM:	8hr	24hr	48hr	x
SIGNATURE 			INSPECTOR Michael Kostruba			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)	MATERIAL				
											FIELD SAMPLE NUMBER	DATE	TIME	TYPE COMP GRAB	SAMPLE LOCATION
47	12-1-15	1249		X	Trailer	X		X			FT4-12"x12" tan floor tile with translucent yellow mastic				
48	12-1-15	1249		X	Trailer	x		x	X		FT4-12"x12" tan floor tile with translucent yellow mastic				
49	12-3-15	1100		X	Roof 1-Office Core			X	X		RF1-Built up roofing paper layers with tar -top layers-RESAMPLE				
50	12-3-15	1115		X	Roof 2- Garage			X	X		RF1-Built up roofing paper layers with tar top layers-RESAMPLE				
51	12-3-15	1120		X	Roof 1-Office Core				X		RF2-Bottom layer of built up roofing, tar on metal deck-RESAMPLE				
52	12-3-15	1102		X	Roof 2- Garage				x		RF2-Bottom layer of built up roofing, tar on metal deck-RESAMPLE				
53	12-3-15	1015		X	Roof 2- Garage	X		x			FL5-Roof drain membrane flashing with black flashing cement				
54	12-3-15	1010		X	Roof 2- Garage	x		x	x		FL5-Roof drain membrane flashing with black flashing cement				

Relinquished by: (Signature) 	Date: 12-3-15	Received by: (Signature) <i>12/3/15</i> 	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed) Michael Kostruba	Time: 1615	(Printed) <i>1630</i>	(Printed)	Time:	(Printed)

"RESAMPLED" are TEM only, PLM data already exists for these samples.
Send results to Erik Plimpton

Condition of Samples: _____
Acceptable: Yes No
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: 12/07/15

PO#: C222165

Analysis Type: Chatfield EPA N.O.E Qualitative

Client: TRC

Client Job#: 222165.5186.0710

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

Relinquished by: K. Williamson -- KWilliamson@trcsolutions.com

Received by: *Eric Plimpton - Cole 12/15 9:30 AM*

Report to: E Plimpton - EPlimpton@trcsolutions.com

Samplers Name: M. Kostruba

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

				For Lab Use Only		
Client ID #	Lab ID#	Description	Location	Acceptable on Receipt	Comments	
1	47309	Caulk	See COC			
3	47309	Caulk				
5	47309	Caulk				
7	47309	Caulk				
8	47309	Caulk				
9	47309	Caulk				
10	47309	Caulk				
13	47309	Caulk				
15	47309	Caulk				
17	47309	Caulk				
19	47309	Caulk				
29	47309	CB & Glue				
31	47309	CB & Glue				
39	47309	Expansion Joint				
40	47309	Expansion Joint				
45	47309	Penetration Putty				
For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments

APPENDIX F

TRC 2015 PLM LABORATORY ANALYSIS DATA

BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Transportation

Lab Log #: 0047309
 Project #: 222165.5186.0710
 Date Received: 12/03/2015
 Date Analyzed: 12/04/2015

Site: Maintenance Facility, 476 Mulberry Street, Southington, CT

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

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
1	--	--	--	--	--	SNA	--
2	White	Yes	No	--	---	ND	None
3	White	Yes	No	--	---	ND	None
4	White	Yes	No	--	---	ND	None
5	White	Yes	No	--	---	ND	None
6	Black	Yes	No	--	---	ND	None
7	Black	Yes	No	--	---	ND	None
8	--	--	--	--	--	SNA	--
9	--	--	--	--	--	SNA	--
10	--	--	--	--	--	SNA	--
11	Grey	Yes	No	--	---	5%	Chrysotile
12	--	--	--	--	--	NA/PS	--
13	--	--	--	--	--	SNA	--
14	Grey	Yes	No	--	---	ND	None
15	Grey	Yes	No	--	---	ND	None
16	White	Yes	No	--	---	ND	None
17	White	Yes	No	--	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0	AIHA-LAP.LLC #100122	CT #PII-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
18	Grey	Yes	No	--	---	ND	None
19	Grey	Yes	No	--	---	ND	None
20	White/Grey	Yes	No	--	40% cellulose 40% mineral wool	ND	None
21	White/Grey	Yes	No	--	40% cellulose 40% mineral wool	ND	None
22	White/Grey	Yes	No	--	40% cellulose 40% mineral wool	ND	None
23	White/Grey	Yes	No	--	40% cellulose 40% mineral wool	ND	None
24	Light Brown	Yes	No	--	---	ND	None
25	Light Brown	Yes	No	--	---	ND	None
26	Brown	Yes	No	--	---	ND	None
27	Brown	Yes	No	--	---	ND	None
28	Cream (glue)	No	Yes	1	---	ND	None
28	Brown (cove base)	No	Yes	2	---	ND	None
29	Cream (glue)	No	Yes	1	---	ND	None
29	Brown (cove base)	No	Yes	2	---	ND	None
30	Cream (glue)	No	Yes	1	---	ND	None
30	Beige (cove base)	No	Yes	2	---	ND	None
31	Cream (glue)	No	Yes	1	---	ND	None
31	Beige (cove base)	No	Yes	2	---	ND	None
32	Light Brown	Yes	No	--	99% cellulose	ND	None
33	Light Brown	Yes	No	--	99% cellulose	ND	None
34	White	Yes	No	--	---	ND	None

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0 AIIA-LAP.LLC #100122 CT #PII-0426 ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV# LT000411
 RI #AAL-007 TX #300354 VT #AI.014538 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
35	White	Yes	No	--	---	ND	None
36	White	Yes	No	--	---	ND	None
37	Off White	Yes	No	--	---	ND	None
38	Off White	Yes	No	--	---	ND	None
39	--	--	--	--	--	SNA	--
40	--	--	--	--	--	SNA	--
41	Grey	Yes	No	--	---	ND	None
42	Grey	Yes	No	--	---	ND	None
43	Grey	Yes	No	--	---	ND	None
44	Grey	Yes	No	--	20% cellulose	ND	None
45	Grey	Yes	No	--	20% cellulose	ND	None
46	--	--	--	--	--	SNA	--
47	Yellow (mastic)	No	Yes	1	---	ND	None
47	Tan (tile)	No	Yes	2	---	ND	None
48	Yellow (mastic)	No	Yes	1	---	ND	None
48	Tan (tile)	No	Yes	2	---	ND	None
49	--	--	--	--	--	SNA	--
50	--	--	--	--	--	SNA	--
51	--	--	--	--	--	SNA	--
52	--	--	--	--	--	SNA	--
53	Black	Yes	No	--	10% synthetic fiber	ND	None
54	Black	Yes	No	--	10% synthetic fiber	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 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, 2016. 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: K. Williamson Reviewed by: Amanda Parkins Date Issued
 Kathleen Williamson, Laboratory Manager Amanda Parkins, Approved Signatory 12/04/2015

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code I01424-0 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 G

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

Client Project #: 222165.5186.0710
Client Reference: CT DOT - Maintenance Facility, Southington, CT
PO #: C222165
Client #: 297
Client Name: TRC Environmental Corp. (CT)

Batch: **NT 15533**
Method: NOB
Date Received: 12/8/2015
Date Analyzed: 12/11/2015
Date of Report: 12/11/2015

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						
NT118539	1	C3-Tan gummy sticky door frame caulk		.2398	.00	.00	.00	.00	.00	.00	27.07	58.38	14.55	ND	Yes	No
NT118540	3	C4-Hard white caulk		.3549	.00	.00	.00	.00	.00	.00	2.59	28.26	69.15	ND	Yes	No
NT118541	5	C5-Pliable white caulk		.1988	.00	.00	.00	.00	.00	.00	7.89	37.73	54.38	ND	Yes	No
NT118542	7	C6-Black interior door frame caulk		.1839	.00	.00	.00	.00	.00	.00	1.30	41.98	56.72	ND	Yes	No
NT118543	8	C10-Off-white exterior door frame caulk		.2461	4.27	.00	.00	.00	.00	.00	38.47	36.28	20.07	4.27	Yes	No
NT118544	9	C11-Offwhite hard pliable caulk		.0565	.51	.00	.00	.00	.00	.00	16.99	25.13	57.88	TR	Yes	No
NT118545	10	C12- Tan gummy exterior wall expansion joint caulk		.2337	.09	.00	.00	.00	.00	.00	17.71	68.85	13.44	TR	Yes	No
NT118546	13	C14-Hard tan interior wall expansion joint caulk		.6936	.00	.00	.00	.00	.00	.00	6.70	53.33	39.97	ND	Yes	No
NT118547	15	C15-Hard grey exterior wall expansion joint caulk		.4871	.40	.00	.00	.00	.00	.00	19.77	40.18	40.07	TR	Yes	No
NT118548	17	C16-Hard white caulk around electrical meter		.2844	.00	.00	.00	.00	.00	.00	2.92	43.21	73.87	ND	Yes	No
NT118549	19	C17-Brittle grey caulk above metal counter flashing		.4579	.00	.00	.00	.00	.00	.00	13.94	50.97	35.09	ND	Yes	No
NT118550	29M	CBG2-White covebase glue		.2150	.00	.00	.00	.00	.00	.00	10.05	29.44	60.61	ND	Yes	No
NT118551	29	CB2-Brown 4" Covebase		.2037	.00	.00	.00	.00	.00	.00	2.01	25.07	71.92	ND	Yes	No
NT118552	31M	CBG3-Cream covebase glue		.4379	.00	.00	.00	.00	.02	.00	3.50	24.18	72.32	TR	Yes	No
NT118553	31	CB3-Beige 4" covebase		.2787	.00	.00	.00	.00	.00	.00	2.05	30.71	67.24	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 #: 222165.5186.0710
 Client Reference: CT DOT - Maintenance Facility, Southington, CT
 PO #: C222165
 Client #: 297
 Client Name: TRC Environmental Corp. (CT)

Batch: NT 15533
 Method: NOB
 Date Received: 12/8/2015
 Date Analyzed: 12/11/2015
 Date of Report: 12/11/2015

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Types						% Other Non-asb.	% Organic	% Carb.	Total % Asbestos	Analyzed / Charged	Preped / Charged
					CHR	AMO	ACT	CRC	ANT	TRE						
NT118554	39	SEJ1-Black tar-like sidewalk expansion joint material		.1092	.00	.00	.00	.00	.00	.00	9.89	38.40	1.65	ND	Yes	No
NT118555	40	FEJ1-Black tar-like floor expansion joint material		.1283	.00	.00	.00	.00	.00	.00	6.70	37.61	5.09	ND	Yes	No
NT118556	45	PP1-Grey pump penetration putty		.1735	.00	.00	.00	.00	.00	.00	37.35	18.62	41.00	ND	Yes	No
NT118557	46M	FTM2-Black mastic		.0427	.00	.00	.00	.00	.00	.00	7.02	53.14	3.54	ND	Yes	No
NT118558	46	FT2-12"X12" Floor tile, brown with black, brown and white streaks		.4210	.00	.00	.00	.00	.00	.00	31.67	28.32	40.40	ND	Yes	No
NT118559	48M	FTM4-Yellow mastic		.0604	.00	.00	.00	.00	.00	.00	1.40	30.89	7.02	ND	Yes	No
NT118560	48	FT4-12"X12" Tan floor tile		.3627	.00	.00	.00	.00	.00	.00	4.39	12.90	82.80	ND	Yes	No
NT118561	49	RF1-Built-up roofing, paper layers with tar top layers		.1946	.00	.00	.00	.00	.00	.00	2.57	68.50	7.40	ND	Yes	No
NT118562	50	RF1-Built-up roofing, paper layers with tar top layers		.5776	.00	.00	.00	.00	.00	.00	5.43	37.21	9.30	ND	Yes	No
NT118563	51	RF2-Bottom layer of built-up roofing tar on metal		.0622	.00	.00	.00	.00	.00	.00	1.10	28.66	.21	ND	Yes	No
NT118564	52	RF2-Bottom layer of built-up roofing tar on metal		.1901	.00	.00	.00	.00	.00	.00	.42	95.50	.00	ND	Yes	No
NT118565	54	FL5-Roof drain membrane flashing with black flashing cement		.1416	.00	.00	.00	.00	.00	.00	0.94	67.44	26.02	ND	Yes	No

ProScience Analytical Services, Inc.

22 Cummings Park, Woburn, Massachusetts 01801
 781-933-5212 ~ Fax: 781-932-4857 ~ E-Mail: general@proscience.net

Laboratory Report

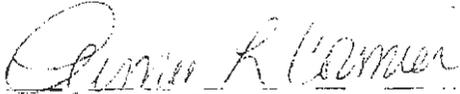
Client Project #: 222165.5186.0710
 Client Reference: CT DOT - Maintenance Facility, Southington, CT
 PO #: C222165
 Client #: 297
 Client Name: TRC Environmental Corp. (CT)

Batch: NT 15533
 Method: NOB
 Date Received: 12/8/2015
 Date Analyzed: 12/11/2015
 Date of Report: 12/11/2015

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

Comments:

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



Aimee Cormier, Analyst

APPENDIX H

TRC 2015 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:	Southington Maintenance Facility, Southington, Connecticut
Project # :	222165-5186-0710
Date(s):	12/1/2015
Inspector:	Brian Behrens, Michael Kostruba (CT Lead Inspector Risk Assessor License #002207)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
1	Shutter calibration							1.7	0.0		192.65	12/1/2015 13:20
2	0.0 calibration							0.0	0.0	3.18	10.76	12/1/2015 13:23
3	1.6 calibration							1.5	0.1	1.08	7.1	12/1/2015 13:24
4	0.7 calibration							0.7	0.1	1	4.88	12/1/2015 13:24
5	Supervisors	A	Wall		Block	White	Intact	0.0	0.0	2.91	18.09	12/1/2015 13:27
6	Supervisors	D	Wall		Block	White	Intact	0.0	0.0	1.03	6.08	12/1/2015 13:28
7	Supervisors	C	Door	Casing	Wood	Brown	Intact	0.0	0.0	4.64	10.53	12/1/2015 13:29
8	Supervisors	A	Window	Casing	Metal	Brown	Intact	0.0	0.0	1	3.05	12/1/2015 13:30
9	Supervisors	A	Window	Sash int	Metal	Brown	Intact	0.0	0.0	1	3.85	12/1/2015 13:31
10	Supervisors	C	Door	--	Metal	Brown	Intact	0.0	0.0	5.71	9.52	12/1/2015 13:31
11	Foyer	C	Door	--	Metal	Brown	Intact	0.0	0.0	1	3.24	12/1/2015 13:32
12	Foyer	B	Wall	--	Sheetrock	White	Intact	0.0	0.0	1.04	5.47	12/1/2015 13:33
13	Foyer	D	Wall	--	Block	White	Intact	0.1	0.0	4.94	30	12/1/2015 13:35
14	Foyer	C	Door	Casing	Wood	Brown	Intact	0.0	0.0	1.43	3.04	12/1/2015 13:35
15	Foyer	B	Wall	Baseboard	Wood	Brown	Intact	0.0	0.0	1	2.84	12/1/2015 13:36
16	Foyer	D	Wall	--	Block	White	Intact	0.0	0.0	2.87	18.7	12/1/2015 13:38
17	Clerks	D	Wall	--	Block	White	Intact	0.1	0.1	5.28	24.62	12/1/2015 13:39
18	Clerks	D	Window	Casing	Metal	Brown	Intact	0.0	0.0	2.31	3.26	12/1/2015 13:40
19	Clerks	D	Window	Casing	Metal	Brown	Intact	0.0	0.0	1.38	8.95	12/1/2015 13:41
20	Crew	A	Wall	--	Sheetrock	White	Intact	0.0	0.0	1.03	2.84	12/1/2015 13:41
21	Crew	D	Wall	--	Sheetrock	White	Intact	0.0	0.0	3.23	5.9	12/1/2015 13:42
22	Crew	C	Wall	--	Sheetrock	White	Intact	0.0	0.0	2.11	4.86	12/1/2015 13:43
23	Crew	A	Door	Casing	Wood	Brown	Intact	0.0	0.0	1	2.64	12/1/2015 13:43
24	Crew	A	Door	Jamb	Wood	Brown	Intact	0.0	0.0	1	3.44	12/1/2015 13:44
25	Crew	A	Door	--	Metal	Brown	Intact	0.0	0.0	1.4	12.18	12/1/2015 13:44
26	Crew	D	Door	Casing	Metal	Black	Intact	0.0	0.0	1	2.64	12/1/2015 13:46
27	Locker Room	A	Wall	--	Block	White	Intact	0.1	0.0	5.74	24.99	12/1/2015 13:48
28	Locker Room	B	Wall	--	Block	White	Intact	0.0	0.0	4.85	22.57	12/1/2015 13:50
29	Locker Room	C	Wall	--	Sheetrock	White	Intact	0.0	0.0	1	5.68	12/1/2015 13:50
30	Locker Room	A	Window	--	Metal	Brown	Intact	0.0	0.0	1.03	5.06	12/1/2015 13:51

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

Device(s): Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
Site: Southington Maintenance Facility, Southington, Connecticut
Project # : 222165-5186-0710
Date(s): 12/1/2015
Inspector: Brian Behrens, Michael Kostruba (CT Lead Inspector Risk Assessor License #002207)

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
31	Locker Room	C	Door	--	Metal	Brown	Intact	0.0	0.0	2.85	6.9	12/1/2015 13:52
32	Locker Room	D	Door	--	Metal	Brown	Intact	0.0	0.0	1	3.46	12/1/2015 13:52
33	Mens Room	D	Door	--	Metal	Brown	Intact	0.0	0.0	2.41	8.53	12/1/2015 13:53
34	Mens Room	A	Wall	--	Block	White	Intact	0.0	0.0	2.14	13.83	12/1/2015 13:54
35	Mens Room	C	Wall	--	Block	White	Intact	0.0	0.0	1.88	11.18	12/1/2015 13:55
36	Mens Room	B	Window	--	Metal	Brown	Intact	0.1	0.0	1.33	10.34	12/1/2015 13:57
37	Mens Room	B	Window	--	Metal	Brown	Intact	0.0	0.0	1	7.9	12/1/2015 13:57
38	Mens Room	C	Radiator	--	Metal	White	Intact	0.0	0.0	1	3.68	12/1/2015 13:58
39	Mens Room	C	Radiator	--	Metal	White	Intact	0.0	0.0	1.12	4.26	12/1/2015 13:58
40	Garage	A	Wall	--	Wood	Grey	Intact	0.0	0.0	1.96	4.05	12/1/2015 13:59
41	Garage	A	Wall	--	Wood	Grey	Intact	0.0	0.0	3.07	5.69	12/1/2015 14:00
42	Garage	A	Wall	--	Block	Grey	Intact	0.0	0.0	1	5.05	12/1/2015 14:01
43	Garage	A	Wall	--	Block	White	Intact	0.0	0.0	2.01	7.71	12/1/2015 14:01
44	Garage	A	Door	--	Metal	Brown	Intact	0.0	0.0	1.93	9.75	12/1/2015 14:03
45	Garage	A	Wall	--	Block	Grey	Intact	0.0	0.0	3.13	5.9	12/1/2015 14:03
46	Garage	A	Wall	--	Block	White	Intact	0.0	0.0	1	4.45	12/1/2015 14:04
47	Garage	C	Wall	--	Block	White	Intact	0.0	0.0	1	4.86	12/1/2015 14:05
48	Garage	C	Wall	--	Block	Grey	Intact	0.0	0.0	1	5.07	12/1/2015 14:06
49	Garage	C	Door	--	Metal	Brown	Intact	0.0	0.0	1.74	8.55	12/1/2015 14:07
50	Garage Bay 7	--	Floor	--	Concrete	Yellow	Intact	0.0	0.0	4.8	11.59	12/1/2015 14:09
51	Garage Bay 3	--	Floor	--	Concrete	Yellow	Intact	0.0	0.0	1	6.47	12/1/2015 14:10
52	Garage Bay 13	--	Floor	--	Concrete	Yellow	Intact	0.0	0.0	1	5.06	12/1/2015 14:11
53		--	Ceiling	Crossbeam	Metal	Tan/Beige	Intact	0.0	0.0	1	2.64	12/1/2015 14:13
54		--	Ceiling	Crossbeam	Metal	Tan/Beige	Intact	0.0	0.0	1	4.47	12/1/2015 14:14
55	Locker Room	--	Ceiling	Joists	Metal	red	Intact	0.0	0.0	1	10.59	12/1/2015 14:22
56	Locker Room	--	Ceiling	Joists	Metal	red	Intact	0.0	0.0	1	6.91	12/1/2015 14:23
57	Locker Room	--	Ceiling deck	--	Metal	Grey	Intact	0.0	0.0	1	9.37	12/1/2015 14:25
58	Locker Room	A	Wall	--	Block	White	Intact	0.0	0.0	3.41	6.32	12/1/2015 14:28
59	Clerks	D	Wall	--	Block	White	Intact	0.1	0.0	3.66	25.43	12/1/2015 14:30
60	Foyer	D	Wall	--	Block	White	Intact	0.1	0.1	5.48	16.62	12/1/2015 14:32

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

Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
61	Garage	B	Ceiling	ibeam	Metal	Grey	Intact	0.0	0.0	1.04	8.93	12/1/2015 14:35
62	Garage	B	Door	--	Metal	White	Intact	0.0	0.0	1	3.04	12/1/2015 14:35
63	Garage	B	Door	--	Metal	White	Intact	0.0	0.0	1.59	1.83	12/1/2015 14:36
64	Garage	--	Column	--	Metal	Grey	Intact	0.0	0.0	1	4.26	12/1/2015 14:37
65	Garage	--	Column	--	Metal	Grey	Intact	0.0	0.0	1.39	6.29	12/1/2015 14:37
66	Exterior	--	Ballard	--	Metal	Yellow	Intact	1.5	0.3	2.5	4.06	12/1/2015 14:47
67	Exterior	--	Gas island pump	--	Metal	Yellow	Intact	0.6	0.1	1.01	5.26	12/1/2015 14:48
68	Exterior	--	Curb island	--	Metal	Yellow	Intact	0.8	0.1	2.68	21.72	12/1/2015 14:50
69	Exterior	--	Curb island	--	Metal	Yellow	Intact	0.3	0.6	3.14	16.03	12/1/2015 14:51
70	Exterior trailer	A	Wall	--	Panel	Tan/Beige	Intact	0.0	0.0	1	3.26	12/1/2015 14:54
71	Exterior trailer	A	Door	--	Metal	Tan/Beige	Intact	0.0	0.0	1	2.63	12/1/2015 14:54
72	Exterior trailer	A	Wall	--	Metal	Green	Intact	0.0	0.0	1	4.46	12/1/2015 14:55
73	Exterior	C	Wall	--	Block	Tan/Beige	Intact	0.0	0.0	1	4.87	12/1/2015 14:56
74	Exterior	C	Door	--	Metal	Grey	Intact	0.1	0.0	1.93	7.3	12/1/2015 14:56
75	Exterior	B	Door	--	Metal	Brown	Intact	0.0	0.0	2.17	2.84	12/1/2015 14:57
76	Exterior	B	Column	--	Metal	Grey	Intact	0.0	0.0	1.27	2.83	12/1/2015 14:58
77	Exterior	B	Wall	--	Block	Tan/Beige	Intact	0.0	0.1	6.74	5.89	12/1/2015 14:59
78	Exterior	B	Wall	--	Block	Tan/Beige	Intact	0.0	0.0	1	6.29	12/1/2015 14:59
79	Exterior	A	Entry stoop curb	--	Concrete	Yellow	Intact	3.6	1.2	3.45	2.85	12/1/2015 15:00
80	Exterior	A	Door	Casing	Metal	Brown	Intact	0.0	0.0	2.17	5.28	12/1/2015 15:01
81	Exterior	A	transite panel	--	transite	Brown	Intact	0.0	0.0	1.73	4.47	12/1/2015 15:02
82	Exterior	B	Wall	--	Block	Tan/Beige	Intact	0.0	0.0	1.09	4.05	12/1/2015 15:03
83	Exterior	B	Fence	--	Wood	Grey	Intact	0.0	0.0	1.39	2.64	12/1/2015 15:04
84	Exterior	--	Retaining wall	--	Concrete	Yellow	Intact	0.0	0.0	1.16	3.85	12/1/2015 15:07
85	Exterior	--	Curb	--	asphalt	Yellow	Intact	0.0	0.0	3.72	4.48	12/1/2015 15:15
86	0.0 calibration	--	--	--				0.0	0.0	1	2.24	12/1/2015 15:24
87	1.6 calibration	--	--	--				1.6	0.1	1.16	8.49	12/1/2015 15:24
88	0.7 calibration	--	--	--				0.8	0.1	1.2	8.11	12/1/2015 15:25
89	Shutter calibration							1.6	0.0		200.07	12/2/2015 9:23
90	Shutter calibration							15.1	3.0	2.06	5.28	12/2/2015 9:24

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

Device(s):	Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer											
Site:	Southington Maintenance Facility, Southington, Connecticut											
Project # :	222165-5186-0710											
Date(s):	12/1/2015											
Inspector:	Brian Behrens, Michael Kostruba (CT Lead Inspector Risk Assessor License #002207)											
Number	Room	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm2)	Precision (mg/cm2)	Depth Index	Duration (sec)	Date/Time
91	Shutter calibration							15.4	1.4	1.53	20.08	12/2/2015 9:26
92	1.6 calibration							1.5	0.0		202.36	12/2/2015 11:20
93	0.0 calibration							0.0	0.0	1	2.03	12/2/2015 11:21
94	1.6 calibration							1.5	0.1	1.12	7.69	12/2/2015 11:21
95	0.7 calibration							0.8	0.1	1.12	8.9	12/2/2015 11:22
96	Boiler Room	A	Wall		Block	White	Intact	0.0	0.0	1	3.66	12/2/2015 11:25
97	Boiler Room	D	Wall		Block	White	Intact	0.0	0.0	2.28	3.85	12/2/2015 11:26
98	Boiler Room	C	Wall		Block	White	Intact	0.0	0.0	3.35	5.06	12/2/2015 11:26
99	Boiler Room	B	Window	Casing	Metal	Brown	Intact	0.0	0.0	1	2.62	12/2/2015 11:27
100	Boiler Room	--	Floor	--	Concrete	Grey	Intact	0.0	0.0	1.34	3.65	12/2/2015 11:27
101	Boiler Room	--	Floor	--	Concrete	Grey	Intact	0.0	0.0	1	6.49	12/2/2015 11:28
102	Boiler Room	--	Boiler panel	--	Metal	Grey	Intact	4.9	3.1	1	2.84	12/2/2015 11:28
103	Boiler Room	--	Boiler panel	--	Metal	Grey	Intact	0.0	0.0	1	2.42	12/2/2015 11:29
104	Boiler Room	--	Compressor	--	Metal	Grey	Intact	0.0	0.0	1	1.61	12/2/2015 11:29
105	0.0 calibration		--	--				0.0	0.0	1	1.62	12/2/2015 15:26
106	1.6 calibration		--	--				1.5	0.1	1.1	7.5	12/2/2015 15:26
107	0.7 calibration		--	--				0.7	0.1	1.07	7.08	12/2/2015 15:27

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 I

TRC 2015 COMPOSITE BUILDING MATERIAL WASTE CHARACTERIZATION DATA



Client: Mr. Erik Plimpton
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET# 5120378

Report Date: December 17, 2015
Project: DOT Maintenance Facility, Southington
Project Number: 222165.5186.0710

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



New York Certification: 11982
Rhode Island Certification: 199

CET #: 5120378

Project: DOT Maintenance Facility, Southington

Project Number: 222165.5186.0710

SAMPLE SUMMARY

The sample(s) were received at 23.8°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
1 Interior CMU Walls	5120378-01	Solid	12/02/2015 9:00	12/14/2015
2 Pen Meter CMU Wall	5120378-02	Solid	12/02/2015 9:20	12/14/2015
3 Entry Stoop	5120378-03	Solid	12/02/2015 9:30	12/14/2015

CET # : 5120378

Project: DOT Maintenance Facility, Southington

Project Number: 222165.5186.0710

Analyte: Total Solids [EPA 160.3 modified]

Analyst: SS

Matrix: Solid

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
5120378-01	1 Interior CMU Walls	100	1.0	%	1	B5L1709	12/17/2015	12/17/2015 15:05	
5120378-02	2 Pen Meter CMU Wall	100	1.0	%	1	B5L1709	12/17/2015	12/17/2015 15:05	
5120378-03	3 Entry Stoop	100	1.0	%	1	B5L1709	12/17/2015	12/17/2015 15:05	

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
5120378-01	1 Interior CMU Walls	41	0.10	mg/kg dry	1	B5L1705	12/17/2015	12/17/2015 14:05	
5120378-02	2 Pen Meter CMU Wall	19	0.10	mg/kg dry	1	B5L1705	12/17/2015	12/17/2015 14:09	
5120378-03	3 Entry Stoop	7.0	0.10	mg/kg dry	1	B5L1705	12/17/2015	12/17/2015 14:13	

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
5120378-01	1 Interior CMU Walls	ND	0.013	mg/L	1	B5L1632	12/16/2015	12/16/2015 20:07	
5120378-02	2 Pen Meter CMU Wall	ND	0.013	mg/L	1	B5L1632	12/16/2015	12/16/2015 20:24	
5120378-03	3 Entry Stoop	ND	0.013	mg/L	1	B5L1632	12/16/2015	12/16/2015 20:28	

CET # : 5120378

Project: DOT Maintenance Facility, Southington

Project Number: 222165.5186.0710

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 # : 5120378

Project: DOT Maintenance Facility, Southington

Project Number: 222165.5186.0710

CERTIFICATIONS

Certified Analyses included in this Report

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

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	04/01/2016

APPENDIX J

**TRC 2015 PCB CAULK/GLAZE LABORATORY
ANALYSIS DATA**

3⁰⁰ WUCIP



Edition: September 2007
Supersede Previous Edition

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

CHAIN OF CUSTODY

PROJECT NUMBER						PROJECT NAME		PARAMETERS	CONTAINERS			LAB ID #.		
222165.5180.0711						DOT Maintenance Facility- Southington, CT			EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix X1 = Caulk X2 = glaze	Preservative	TURNAROUND TIME
SIGNATURE						INSPECTOR		Rush TAT						Date Needed:
Lab ID:	SAMPLE ID:	DATE	TIME	TYP E		SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix X1 = Caulk X2 = glaze	Preservative	NOTES		
				COMP	GRAB									
	C1 (A)	12-2-15	0830		x	Supervisor Rm 36751	X		1	X1	Cold	Grey caulk between window and window frame-interior		
	C1 (B)	12-2-15	0845		x	Locker Rm 36752	X		1	X1	Cold	Grey caulk between window and window frame-interior		
	C1 (C)	12-2-15	0850		x	Mens Rm 36753	X		1	X1	Cold	Grey caulk between window and window frame-interior		
	C3 (A)	12-2-15	0920		x	Garage 36754	X		1	X1	Cold	Tan, gummy door frame caulk		
	C3 (B)	12-2-15	0925		x	Office Entry 36755	X		1	X1	Cold	Tan, gummy door frame caulk		
	C4 (A)	12-2-15	0930		x	Mens Rm-Radiator 36756	X		1	X1	Cold	White pliable caulk on urinals, sink and radiator		
	C4 (B)	12-2-15	0935		x	Mens Rm - Sink 36757	X		1	X1	Cold	White pliable caulk on urinals, sink and radiator		
	C5 (A)	12-2-15	0940		x	Garage-Tool Crib-C side 36758	X		1	X1	Cold	White soft pliable caulk in wood joints of tool crib and crew rm bumpout		
	C5 (B)	12-2-15	0945		x	Garage-Crew Rm-C side 36759	X		1	X1	Cold	White soft pliable caulk in wood joints of tool crib and crew rm bumpout		

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:
	12-11-15		12-14-15
(Printed)	Time:	(Printed)	(Printed)
Michael Kostruba	1600		

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:
	12-14-15		12-14-15
(Printed)	Time:	(Printed)	(Printed)
			15:40

Remarks:	Condition upon Receipt:
Report to: Erik Plimpton---Eplimpton@tresolutions.com Include CT DPH RCP Report	Page 1 of 1

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

Edition: September 2007
 Supersede Previous Edition

CHAIN OF CUSTODY

PROJECT NUMBER				PROJECT NAME				PARAMETERS		CONTAINERS			LAB ID #.	
222165.5180.0711				DOT Maintenance Facility- Southington, CT									TURNAROUND TIME	
SIGNATURE				INSPECTOR									X 3 day TAT	
				Michael Kostruba-860-817-2413									Rush TAT	
													Date Needed:	
Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= Caulk X2= glaze)	Preservative	NOTES		
COMP	GRAB													
	C5 (C)	12-2-15	0950		X	Garage-Tool Crib-B side 36760	X	1		X1	Cold	White soft pliable caulk in wood joints of tool crib and crew rm bumpout		
	C6 (A)	12-2-15	0950		X	Garage-Tool Crib-C side 36761	X	1		X1	Cold	Black interior door frame caulk		
	C8 (A)	12-2-15	1000		X	Exterior-Locker Rm 36762	X	1		X1	Cold	Grey caulk between window and window fame-exterior		
	C8 (B)	12-2-15	1009		X	Exterior-Supervisor 36763	X	1		X1	Cold	Grey caulk between window and window fame-exterior		
	C8 (C)	12-2-15	1015		X	Exterior-Clerk 36764	X	1		X1	Cold	Grey caulk between window and window fame-exterior		
	C10 (A)	12-2-15	1020		X	Exterior-Boiler Rm 36765	X	1		X1	Cold	White door frame caulk-thin bead-exterior		
	C10 (B)	12-2-15	1210		X	Exterior-Garage-C side 36766	X	1		X1	Cold	White door frame caulk-thin bead-exterior		
	C10 (C)	12-2-15	1212		X	Exterior-Garage-A side 36767	X	1		X1	Cold	White door frame caulk-thin bead-exterior		
	C13 (A)	12-2-15	1130		X	Exterior-Trailer-A side door 36768	X	1		X1	Cold	Grey putty like caulk associated with aluminum door and window frames		

Relinquished by: (Signature) 	Date: 12-11-15	Received by: (Signature) 	12-17-15	Relinquished by: (Signature) 	Date: 12-17-15	Received by: (Signature)
(Printed) Michael Kostruba	Time: 1600	(Printed)		(Printed)	Time: 15:46	(Printed)

Remarks: Report to: Erik Plimpton—Eplimpton@trcsolutions.com Include CT DPH RCP Report	Condition upon Receipt:	Page 2 of 1
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3049



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

CHAIN OF CUSTODY

PROJECT NUMBER
222165.5180.07:1

SIGNATURE

PROJECT NAME
DOT Maintenance Facility-
Southington, CT

INSPECTOR
Michael Kostruba-860-817-2413

PARAMETERS

CONTAINERS

LAB ID #
TURNAROUND TIME
X 3 day TAT
Rush TAT Date Needed:

Lab ID:	SAMPLE ID:	DATE	TIME	TYPE		SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= Caulk X2= glaze)	Preservative	NOTES
				COMP	GRAB							
367169	C13 (F)	12-2-15	1140		X	Exterior-Trailer-C side window	X		1	X1	Cold	Grey putty like caulk associated with aluminum door and window frames
367170	C13 (C)	12-2-15	1150		X	Exterior-Trailer-B side window	X		1	X1	Cold	Grey putty like caulk associated with aluminum door and window frames
367171	C16 (A)	12-2-15	1254		X	Exterior-Locker Rm	X		1	X1	Cold	Hard white caulk around electrical meter, AC units and wall hydrant
367172	C16 (L)	12-2-15	1335		X	Exterior-Supervisor	X		1	X1	Cold	Hard white caulk around electrical meter, AC units and wall hydrant
367173	DWG1 (A)	12-2-15	1230		X	Supervisor	X		1	X2	Cold	Tan/grey brittle door window glaze- 24"x36" window
367174	DWG2 (B)	12-2-15	1235		X	Entry	X		1	X2	Cold	Tan/grey brittle door window glaze 6"x36" window
367175	WG1 (A)	12-2-15	1315		X	Mens Rm	X		1	X2	Cold	Hard tan window glaze associated with 4'x3'- 3 pane windows
367176	WG1 (B)	12-2-15	1310		X	Locker Rm	X		1	X2	Cold	Hard tan window glaze associated with 4'x3'- 3 pane windows

Relinquished by: (Signature) 	Date: 12-11-15	Received by: (Signature) 	12/14	Relinquished by: (Signature) 	Date: 12-11-15	Received by: (Signature)
(Printed) Michael Kostruba	Time: 1600	(Printed)		(Printed)	Time: 15:46	(Printed)
Remarks: Report to: Erik Plimpton---Eplimpton@trcsolutions.com Include CT DPH RCP Report				Condition upon Receipt:		Page 3 of 1

300 WCLP



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

CHAIN OF CUSTODY

Edition: September 2007
 Supersede Previous Edition

222163.5180.0711

SIGNATURE

PROJECT NAME
 DOT Maintenance Facility-
 Southington, CT
 INSPECTOR
 Michael Kostruba-850-817-2413

PARAMETERS
 CONTAINERS

LAB ID #.

TURNAROUND TIME

X 3 day TAT
 Rush TAT Date Needed:

Lab ID	SAMPLE ID	DATE	TIME	TYPE		SAMPLE LOCATION	EPA 8082 (3540)	# of Amber Glass	# of Clear Glass	Matrix (X1= Cat.#, X2= glaze)	Preservative
				COM	GRAB						
36777	WG1 (C)	12-2-15	1325		X	Supervisor	X	1	X2	Cold	
36778	WG2 (A)	12-2-15	1330		X	Boiler Rm-Exterior-B side	X	1	X2	Cold	
36779	WG2 (B)	12-2-15	1400		X	Boiler Rm-Exterior-B side	X	1	X2	Cold	
36780	TPG1 (A)	12-2-15	1340		X	Garage-C wall entry	X	1	X2	Cold	
36781	TPG1 (B)	12-2-15	1348		X	Garage- A wall entry	X	1	X2	Cold	
36782	TPG1 (C)	12-2-15	1400		X	Supervisor	X	1	X2	Cold	

NOTES

Hard tan window glaze associated with 4'x3'- 3 pane windows-interior/exterior

Hard tan/grey window glaze associated with 4'x3' window-interior/exterior

Hard tan/grey window glaze associated with 4'x3' window-interior/exterior

Tan glaze behind transite panel

Tan glaze behind transite panel

Tan glaze behind transite panel

Relinquished by: (Signature) 	Date: 12-11-15	Received by: (Signature) 	Date: 12-14-15	Relinquished by: (Signature) 	Date: 12-14-15	Received by: (Signature)
(Printed) Michael Kostruba	Time: 1600	(Printed)	(Printed)	(Printed)	Time: 15:46	(Printed)
Remarks: Report to: Erik Plimpton---Eplimpton@trcsolutions.com Include CT DPH RCP Report				Condition upon Receipt:		Page 4 of 1



Tuesday, December 22, 2015

Attn: Erik Plimpton
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
Sample ID#s: BK36751 - BK36782

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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date

Time

12/02/15 8:30
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36751

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C1 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8062A
PCB-1242	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	1	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	50		%	2	12/15/15	KCA	30 - 150 %
% TCMX	53		%	2	12/15/15	KCA	30 - 150 %

Client ID: C1 (A)

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

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

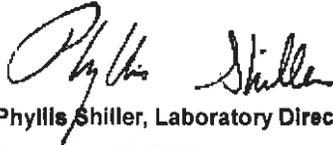
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date

Time

12/02/15 8:45
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36752

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C1 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.96	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.96	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.96	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.96	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.96	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.96	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.96	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.96	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.96	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	50		%	2	12/15/15	KCA	30 - 150 %
% TCMX	55		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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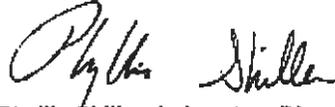
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time
 12/02/15 8:50
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36753

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C1 (C)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.75	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.75	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.75	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.75	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.75	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.75	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.75	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.75	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.75	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

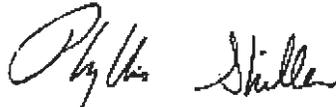
% DCBP	49		%	2	12/15/15	KCA	30 - 150 %
% TCMX	53		%	2	12/15/15	KCA	30 - 150 %

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 9:20
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36754

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C3 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	7.4	mg/Kg	20	12/18/15	AW	SW8082A
PCB-1221	ND	7.4	mg/Kg	20	12/18/15	AW	SW8082A
PCB-1232	ND	7.4	mg/Kg	20	12/18/15	AW	SW8082A
PCB-1242	ND	7.4	mg/Kg	20	12/18/15	AW	SW8082A
PCB-1248	ND	7.4	mg/Kg	20	12/18/15	AW	SW8082A
PCB-1254	ND	7.4	mg/Kg	20	12/18/15	AW	SW8082A
PCB-1260	ND	7.4	mg/Kg	20	12/18/15	AW	SW8082A
PCB-1262	ND	7.4	mg/Kg	20	12/18/15	AW	SW8082A
PCB-1268	ND	7.4	mg/Kg	20	12/18/15	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	98		%	20	12/18/15	AW	30 - 150 %
% TCMX	72		%	20	12/18/15	AW	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

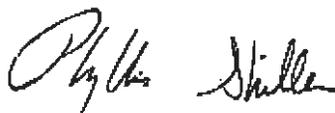
PCB Comment:

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.

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 9:25
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36755

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C3 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	0.81	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	49		%	2	12/15/15	KCA	30 - 150 %
% TCMX	41		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

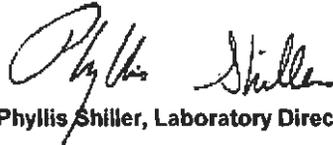
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 9:30
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36756

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C4 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	53		%	2	12/15/15	KCA	30 - 150 %
% TCMX	55		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

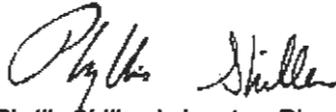
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 9:35
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36757

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C4 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.68	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.68	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.68	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.68	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.68	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.68	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.68	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.68	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.68	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	55		%	2	12/15/15	KCA	30 - 150 %
% TCMX	58		%	2	12/15/15	KCA	30 - 150 %

Client ID: C4 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

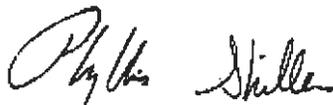
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 9:40
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36758

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C5 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.8	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.8	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.8	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.8	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.8	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.8	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.8	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.8	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.8	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

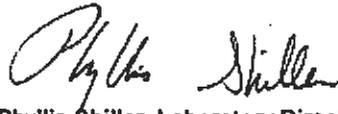
% DCBP	57		%	2	12/15/15	KCA	30 - 150 %
% TCMX	55		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 9:45
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36759

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C5 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.84	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.84	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.84	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.84	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.84	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.84	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.84	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.84	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.84	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

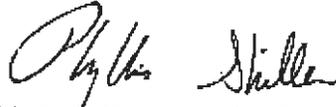
% DCBP	53		%	2	12/15/15	KCA	30 - 150 %
% TCMX	55		%	2	12/15/15	KCA	30 - 150 %

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

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.
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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 9:50
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36760

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C5 (C)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

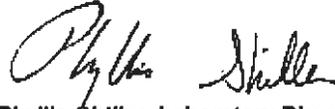
% DCBP	54		%	2	12/15/15	KCA	30 - 150 %
% TCMX	54		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date

12/02/15
 12/14/15

Time

9:50
 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36761

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C6 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.74	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.74	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.74	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.74	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.74	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.74	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.74	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.74	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.74	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

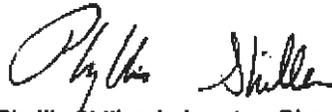
% DCBP	53		%	2	12/15/15	KCA	30 - 150 %
% TCMX	54		%	2	12/15/15	KCA	30 - 150 %

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 10:00
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36762

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C8 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

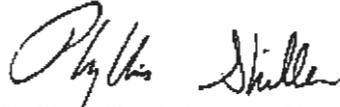
% DCBP	51		%	2	12/15/15	KCA	30 - 150 %
% TCMX	56		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 10:09
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36763

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C8 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	51		%	2	12/15/15	KCA	30 - 150 %
% TCMX	55		%	2	12/15/15	KCA	30 - 150 %

Client ID: C8 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 10:15
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36764

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C8 (C)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

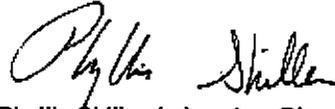
% DCBP	70		%	2	12/15/15	KCA	30 - 150 %
% TCMX	60		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 10:20
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36765

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C10 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.95	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.95	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.95	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.95	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.95	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.95	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.95	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.95	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.95	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	69		%	2	12/15/15	KCA	30 - 150 %
% TCMX	61		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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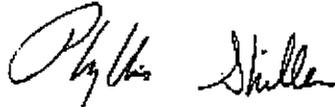
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QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date

12/02/15
 12/14/15

Time

12:10
 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36766

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C10 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/J	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.54	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

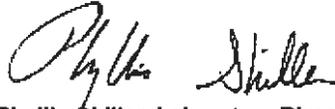
% DCBP	72		%	2	12/15/15	KCA	30 - 150 %
% TCMX	59		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Leo, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 12:12
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36767

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C10 (C)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.86	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.86	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.86	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.86	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.86	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.86	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.86	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.86	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.86	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

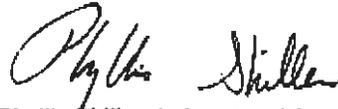
% DCBP	78		%	2	12/15/15	KCA	30 - 150 %
% TCMX	64		%	2	12/15/15	KCA	30 - 150 %

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 11:30
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36768

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C13 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.92	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.92	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.92	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.92	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.92	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.92	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.92	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.92	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.92	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	67		%	2	12/15/15	KCA	30 - 150 %
% TCMX	44		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 11:40
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36769

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C13 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1018	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.89	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.69	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	42		%	2	12/15/15	KCA	30 - 150 %
% TCMX	31		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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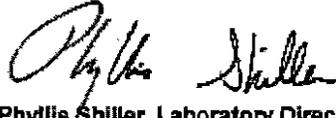
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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

December 22, 2015

FOR: Attn: Erik Plimpton
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information

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

Custody Information

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

Date

12/02/15
12/14/15

Time

11:50
15:46

Laboratory Data

SDG ID: GBK36751
Phoenix ID: BK36770

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
Client ID: C13 (C)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.94	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

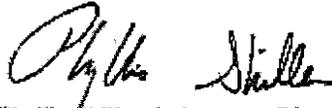
% DCBP	64		%	2	12/15/15	KCA	30 - 150 %
% TCMX	50		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time
 12/02/15 12:54
 12/14/15 15:48

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36771

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C16 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW848-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.87	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.87	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.87	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.87	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.87	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.87	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.87	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.87	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.87	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	50		%	2	12/15/15	KCA	30 - 150 %
% TCMX	50		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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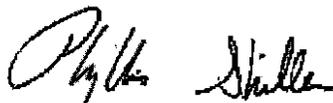
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time
 12/02/15 13:35
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36772

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: C16 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.81	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.81	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.81	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.81	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.81	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.81	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.81	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.81	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.81	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	63		%	2	12/15/15	KCA	30 - 150 %
% TCMX	54		%	2	12/15/15	KCA	30 - 150 %

Client ID: C16 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

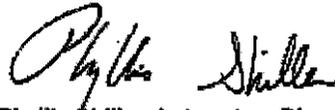
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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

December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 12:30
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36773

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: DWG1 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.87	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1221	ND	0.87	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1232	ND	0.87	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1242	ND	0.87	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1248	ND	0.87	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1254	ND	0.87	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1260	ND	0.87	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1282	ND	0.87	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1268	ND	0.87	mg/Kg	5	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	88		%	5	12/15/15	KCA	30 - 150 %
% TCMX	72		%	5	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, Project Manager



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

Analysis Report
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time
 12/02/15 12:35
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36774

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: DWG2 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/i	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.72	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1221	ND	0.72	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1232	ND	0.72	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1242	ND	0.72	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1248	ND	0.72	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1254	ND	0.72	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1260	ND	0.72	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1262	ND	0.72	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1268	ND	0.72	mg/Kg	5	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	78		%	5	12/15/15	KCA	30 - 150 %
% TCMX	87		%	5	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

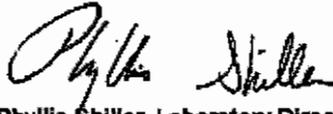
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 845-1102 Fax (860) 845-0823

Analysis Report
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time
 12/02/15 13:15
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36775

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: WG1 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW848-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.79	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1221	ND	0.79	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1232	ND	0.79	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1242	ND	0.79	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1248	ND	0.79	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1254	ND	0.79	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1260	ND	0.79	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1262	ND	0.79	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1288	ND	0.79	mg/Kg	5	12/15/15	KCA	SW8082A

QA/QC Surrogates

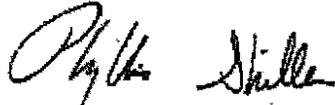
% DCBP	93		%	5	12/15/15	KCA	30 - 150 %
% TCMX	86		%	5	12/15/15	KCA	30 - 150 %

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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

December 22, 2015

FOR: Attn: Erik Plimpton
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Sample Information

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

Custody Information

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

Date

12/02/15
12/14/15

Time

13:10
15:46

Laboratory Data

SDG ID: GBK36751
Phoenix ID: BK36776

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
Client ID: WG1 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.51	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.51	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.51	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.51	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.51	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.51	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.51	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.51	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.51	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

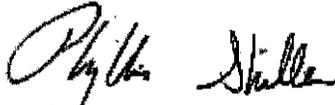
% DCBP	51		%	2	12/15/15	KCA	30 - 150 %
% TCMX	50		%	2	12/15/15	KCA	30 - 150 %

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

RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 08045
 Tel. (860) 645-1102 Fax (860) 645-0823

Analysis Report
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 13:25
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36777

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: WG1 (C)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW848-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ1	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.57	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1221	ND	0.57	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1232	ND	0.57	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1242	ND	0.57	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1248	ND	0.57	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1254	ND	0.57	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1280	ND	0.57	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1282	ND	0.57	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1268	ND	0.57	mg/Kg	5	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	71		%	5	12/15/15	KCA	30 - 150 %
% TCMX	65		%	5	12/15/15	KCA	30 - 150 %

Client ID: WG1 (C)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level

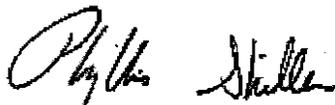
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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

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Phyllis Shiller, Laboratory Director

December 22, 2016

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 13:30
 12/14/15 15:48

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36778

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: WG2 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.7	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1221	ND	0.7	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1232	ND	0.7	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1242	ND	0.7	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1248	ND	0.7	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1254	ND	0.7	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1260	ND	0.7	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1262	ND	0.7	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1288	ND	0.7	mg/Kg	5	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	84		%	5	12/15/15	KCA	30 - 150 %
% TCMX	77		%	5	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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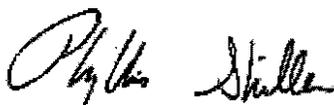
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time
 12/02/15 14:00
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36779

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: WG2 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.76	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1221	ND	0.76	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1232	ND	0.76	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1242	ND	0.76	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1248	ND	0.76	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1254	ND	0.76	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1280	ND	0.76	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1282	ND	0.76	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1288	ND	0.76	mg/Kg	5	12/15/15	KCA	SW8082A

QA/QC Surrogates

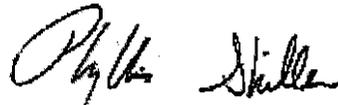
% DCBP	73		%	5	12/15/15	KCA	30 - 150 %
% TCMX	90		%	5	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time
 12/02/15 13:40
 12/14/15 15:48

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36780

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: TPG1 (A)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1280	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.5	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

% DCBP	56		%	2	12/15/15	KCA	30 - 150 %
% TCMX	51		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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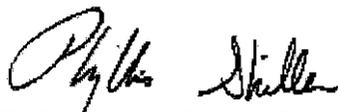
RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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
 December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time
 12/02/15 13:48
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36781

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: TPG1 (B)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1221	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1232	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1242	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1248	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1254	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1260	ND	0.8	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1262	ND	0.8	mg/Kg	2	12/15/15	KCA	SW8082A
PCB-1268	ND	0.6	mg/Kg	2	12/15/15	KCA	SW8082A

QA/QC Surrogates

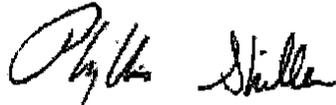
% DCBP	83		%	2	12/15/15	KCA	30 - 150 %
% TCMX	69		%	2	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, 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

December 22, 2015

FOR: Attn: Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

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

Custody Information

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

Date Time

12/02/15 14:00
 12/14/15 15:46

Laboratory Data

SDG ID: GBK36751
 Phoenix ID: BK36782

Project ID: DOT MAINTENANCE FACILITY-SOUTHINGTON CT
 Client ID: TPG1 (C)

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Percent Solid	100	1	%		12/14/15		SW846-%Solid
Caulk Extraction for PCB	Completed				12/14/15	QQ/I	SW3540C

PCB (Soxhlet SW3540C)

PCB-1016	ND	0.93	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1221	ND	0.93	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1232	ND	0.93	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1242	ND	0.93	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1248	ND	0.93	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1254	ND	0.93	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1260	ND	0.93	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1262	ND	0.93	mg/Kg	5	12/15/15	KCA	SW8082A
PCB-1268	ND	0.93	mg/Kg	5	12/15/15	KCA	SW8082A

QA/QC Surrogates

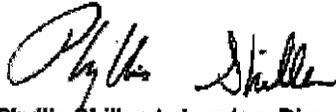
% DCBP	72		%	5	12/15/15	KCA	30 - 150 %
% TCMX	68		%	5	12/15/15	KCA	30 - 150 %

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
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RL/PQL=Reporting/Practical Quantitation Level ND=Not Detected BRL=Below Reporting Level
QA/QC Surrogates: Surrogates are compounds (preceeded with e %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

Comments:

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Phyllis Shiller, Laboratory Director

December 22, 2015

Reviewed and Released by: Ethan Lee, Project Manager



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O. Box 370, Manchester, CT 08045
 Tel. (860) 645-1102 Fax (860) 645-0823

QA/QC Report

December 22, 2015

QA/QC Data

SDG I.D.: GBK36751

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
QA/QC Batch 329498 (mg/Kg), QC Sample No: BK36657 10X (BK36751, BK36752, BK36753, BK36754, BK36755, BK36756, BK36757, BK36758, BK36759, BK36760, BK36761, BK36762, BK36763, BK36764)										
Polychlorinated Biphenyls - Solid										
PCB-1016	ND	0.17	77	78	1.3				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	78	80	2.5				40 - 140	30
PCB-1262	ND	0.17							40 - 140	30
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	94	%	82	79	3.7				30 - 150	30
% TCMX (Surrogate Rec)	77	%	78	79	1.3				30 - 150	30

Comment:

A LCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QA/QC Batch 329516 (mg/Kg), QC Sample No: BK36765 10X (BK36765, BK36766, BK36767, BK36768, BK36769, BK36770, BK36771, BK36772, BK36773, BK36774, BK36775, BK36776, BK36777, BK36778, BK36779, BK36780, BK36781, BK36782)

Polychlorinated Biphenyls - Solid

PCB-1016	ND	0.17	74	72	2.7				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	88	84	8.9				40 - 140	30
PCB-1262	ND	0.17							40 - 140	30
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	94	%	99	92	7.3				30 - 150	30
% TCMX (Surrogate Rec)	80	%	79	78	0.0				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
 December 22, 2015

Tuesday, December 22, 2015

Sample Criteria Exceedences Report

GBK36751 - TRC-PCBDAS

Page 1 of 1

Criteria: None

State: CT

SampNo	Acode	Phoenix Analyte	Criteria	Result	RL	Criteria	RL Criteria	Analysis Units
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*** 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.



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

December 22, 2015

SDG LD.: GBK36751

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? Yes.

Instrument: Au-ecd1 12/18/15-1 (BK36754)

The initial calibration (PC1203AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1203BI) 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: 12/18/2015

Instrument: Au-ecd1 12/21/15-1 (BK36754)

The initial calibration (PC1203AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1203BI) 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: 12/21/2015

Instrument: Au-ecd29 12/16/15-1 (BK36754)

The initial calibration (PC1106AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1106BI) 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 Keith Aloisa
Position: Chemist
Date: 12/16/2015

Instrument: Au-ecd3 12/15/15-1 (BK36755, BK36768, BK36769, BK36770)

The initial calibration (PC1210AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1210BI) 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:
Samples: BK36755, BK36768, BK36769, BK36770



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



RCP Certification Report

December 22, 2015

SDG I.D.: GBK36751

Preceding CC D15B026 - None.

Succeeding CC D15B039 - PCB 1260 (19%L)

A low "1A" standard was run to demonstrate capability to detect these compounds at the indicated RL. All reported samples were ND for these compounds.

Printed Name Keith Aloisa
Position: Chemist
Date: 12/15/2015

Instrument: Au-ecd48 12/15/15-1 (BK36751, BK36752, BK36753, BK36756, BK36757, BK36758, BK36759, BK36760, BK36761, BK36762, BK36763, BK36771, BK36776, BK36779, BK36780)

The initial calibration (PC1105AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1105BI) 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:

Samples: BK36751, BK36752, BK36753, BK36760, BK36761, BK36762.

Preceding CC D15B019 - None.

Succeeding CC D15B031 - PCB 1260 (30%L)

A low "1A" standard was run to demonstrate capability to detect these compounds at the indicated RL. All reported samples were ND for these compounds.

Samples: BK36756, BK36757, BK36758, BK36759, BK36763, BK36771, BK36776, BK36779, BK36780.

Preceding CC D15B031 - PCB 1260 (30%L)

Succeeding CC D15B043 - PCB 1260 (25%L)

A low "1A" standard was run to demonstrate capability to detect these compounds at the indicated RL. All reported samples were ND for these compounds.

Printed Name Keith Aloisa
Position: Chemist
Date: 12/15/2015

Instrument: Au-ecd6 12/15/15-1 (BK36754, BK36764, BK36765, BK36766, BK36767, BK36772, BK36773, BK36774, BK36775, BK36777, BK36778, BK36781, BK36782)

The initial calibration (PC1118AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1118BI) 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 Keith Aloisa
Position: Chemist
Date: 12/15/2015



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

December 22, 2015

SDG I.D.: GBK36751

Instrument: An-eqd8 12/17/15-1 (BK36754)

The initial calibration (PC1210AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC1210BI) 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 Keith Aloisa
Position: Chemist
Date: 12/17/2015

QC Comments: QC Batch 329498 12/14/15 (BK36751, BK36752, BK36753, BK36754, BK36755, BK36756, BK36757, BK36758, BK36759, BK36760, BK36761, BK36762, BK36763, BK36764)

ALCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC Comments: QC Batch 329516 12/14/15 (BK36765, BK36766, BK36767, BK36768, BK36769, BK36770, BK36771, BK36772, BK36773, BK36774, BK36775, BK36776, BK36777, BK36778, BK36779, BK36780, BK36781, BK36782)

ALCS and LCS Duplicate were performed instead of a matrix spike and matrix spike duplicate.

QC (Batch Specific)

----- Sample No: BK36657, QA/QC Batch: 329498 -----

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: BK36765, QA/QC Batch: 329516 -----

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 3C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)



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RCP Certification Report

December 22, 2015

SDG I.D.: GBK36751



Friday, February 12, 2016

Attn: Mr Erik Plimpton
TRC Environmental Corp.
21 Griffin Rd North
Windsor, CT 06095

Project ID: SOUTHTON MF
Sample ID#s: BK64150

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

February 12, 2016

FOR: Attn: Mr Erik Plimpton
 TRC Environmental Corp.
 21 Griffin Rd North
 Windsor, CT 06095

Sample Information

Matrix: BULK
 Location Code: TRC-PCB
 Rush Request: 24 Hour
 P.O.#: 222165.5186.0711

Custody Information

Collected by: BB
 Received by: LK
 Analyzed by: see "By" below

Date Time

02/11/16 12:00
 02/11/16 12:40

Laboratory Data

SDG ID: GBK64150
 Phoenix ID: BK64150

Project ID: SOUTHINGTON MF
 Client ID: DWG3A

Parameter	Result	RL/ PQL	Units	Dilution	Date/Time	By	Reference
Extraction for PCB	Completed				02/11/16	Q/I	SW3540C
<u>PCB (Soxhlet SW3540C)</u>							
PCB-1016	ND	0.43	mg/Kg	1	02/12/16	AW	SW8082A
PCB-1221	ND	0.43	mg/Kg	1	02/12/16	AW	SW8082A
PCB-1232	ND	0.43	mg/Kg	1	02/12/16	AW	SW8082A
PCB-1242	ND	0.43	mg/Kg	1	02/12/16	AW	SW8082A
PCB-1248	ND	0.43	mg/Kg	1	02/12/16	AW	SW8082A
PCB-1254	ND	0.43	mg/Kg	1	02/12/16	AW	SW8082A
PCB-1260	ND	0.43	mg/Kg	1	02/12/16	AW	SW8082A
PCB-1262	ND	0.43	mg/Kg	1	02/12/16	AW	SW8082A
PCB-1268	ND	0.43	mg/Kg	1	02/12/16	AW	SW8082A
<u>QA/QC Surrogates</u>							
% DCBP	63		%	1	02/12/16	AW	30 - 150 %
% TCMX	47		%	1	02/12/16	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
QA/QC Surrogates: Surrogates are compounds (preceded with a %) added by the lab to determine analysis efficiency. Surrogate results(%) listed in the report are not "detected" compounds.

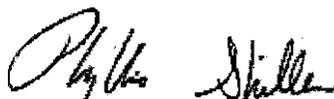
Comments:

Results are reported on an "as received" basis, and are not corrected for dry weight.

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 Shiffer, Laboratory Director

February 12, 2016

Reviewed and Released by: Bobbi Aloisa, Vice President



Environmental Laboratories, Inc.
 587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
 Tel. (860) 845-1102 Fax (860) 845-0823

QA/QC Report

February 12, 2016

QA/QC Data

SDG I.D.: GBK64150

Parameter	Blk		LCS %	LCSD %	LCS RPD	MS %	MSD %	MS RPD	% Rec Limits	% RPD Limits
	Blank	RL								
QA/QC Batch 334605 (mg/Kg), QC Sample No: BK63459 10X (BK64150)										
Polychlorinated Biphenyls - Bulk										
PCB-1016	ND	0.17	87	91	4.5	80	81	1.2	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	87	91	4.5	88	88	2.3	40 - 140	30
PCB-1262	ND	0.17							40 - 140	30
PCB-1268	ND	0.17							40 - 140	30
% DCBP (Surrogate Rec)	104	%	110	114	3.6	109	109	0.0	30 - 150	30
% TCMX (Surrogate Rec)	72	%	83	85	2.4	80	77	3.8	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
 Phyllis Shiller, Laboratory Director
 February 12, 2016

Friday, February 12, 2016

Sample Criteria Exceedences Report

Page 1 of 1

Criteria: None

State: CT

GBK64150 - TRC-PCB

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: SOUTHLINGTON MF **Project Number:**

Laboratory Sample ID(s): BK64150

Sampling Date(s): 2/11/2016

RCP Methods Used:

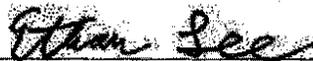
1311/1312 8010 7000 7196 7470/7471 8081 EPH TO15
 8082 8151 8260 8270 ETPH 9010/9012 VPH

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:



Date: Friday, February 12, 2016

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

February 12, 2016

SDG LD.: GBK64150

Temperature above 6C:

The samples were received in a cooler with ice packs. The samples were delivered to the Laboratory within a short period of time after sample collection. Therefore no significant bias is suspected.

PCB Narration

Were all QA/QC performance criteria specified in the Reasonable Confidence Protocol documents achieved? **Yes.**

Instrument: Au-ecd3 02/12/16-1 (BK64150)

The initial calibration (PC0105AI) RSD for the compound list was less than 20% except for the following compounds: None.

The initial calibration (PC0105BI) 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: 2/12/2016

QC (Batch Specific)

----- Sample No: BK63459, QA/QC Batch: 334605 -----

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 18C with cooling initiated.
(Note acceptance criteria is above freezing up to 6°C)

APPENDIX K

**2001 PREVIOUS ASBESTOS/LEAD INSPECTION
REPORT DATA**



**Asbestos Inspection Report
for
Department of Transportation
Southington Maintenance Garage
Building # 81-369
Southington, Connecticut**

prepared for:

**State of Connecticut
Department of Transportation
Newington, Connecticut 06111**

August 7, 2001

EnviroMed Project # IH-01-604

**25 Science Park • New Haven, CT 06511
(203) 786-5580 • facsimile (203) 786-5579**

~~STATE OF CONNECTICUT~~
DEPARTMENT OF TRANSPORTATION

subject: Asbestos Removal

memorandum

date: January 4, 2002

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 Southington Maintenance Garage on or about December 2001. This abatement was performed by Petco under the attached purchase requisition #584638.

- ◆ Breaching cement: reference sample numbers 69A, 70A & 71A.

Please file this in the appropriate asbestos book as noted above.

Attachment

DAH/dmm

cc: Joseph A. Pirolo -- Daniel J. Smachetti -- David A. Hartley

LOCATION	TASK	ND D	DATE START	DATE DONE	PAPER WORK	MAN HRS	# BAGS	GLOVE BAGS	FULL CONT.
GRONON MAINT.	CANCELED BESTECH TO DO IT								
1 GROTON FIRE	1 sft chamber plate, 10 sft flex	ND	8/22/01	8/22/01	X	8	2		WW
2 WESTBROOK	1 sft breaching, 1 sft debris	ND	8/22/01	8/22/01	X	4	2	1	WW
3 E LYME	2 sft patch cement, 1 sft breaching	ND	8/22/01	8/22/01	X	4	2	2	WW
4 E HARTFORD	1 fire door	ND	8/23/01	8/23/01	X	3	10		
5 ORANGE	design NOTIFICATION NEEDED DO LAST	D							
6 GUILFORD	1 fire door	ND	John	wytas					
	46 ft airseal NOTIFICATION NEEDED		12/8/01	12/8/01					
7 MIDDLETOWN	2 sft breaching cement	ND	8/23/01	8/23/01	X	5	1	1	HIGH
8 SAYBROOK BRIDGE	2 sft patch cement	ND	8/23/01	8/23/01	X	4	1	1	WW
9 GOLOHESTER	manage rope abate all br < 25 sft but check	D	8/24/01	8/25/01	X	38	10		1080
10 E GRANBY MAINT	6 sft cleanout 30 sft manage in place	D	8/30/01	8/31/01					1 800
11 WETHERSFIELD	design 20 SFT FIRE CHAMBER INS	D	8/28/01	8/28/01	X	48	20		1 1200
12 WATERFORD	182 sft ceiling tile	D	8/13/01	8/13/01	X	36	12		1 836
13 E GREAT PLAINS	1 sft patch cement PUT IN JOHNS JOB	ND	8/31/01	8/31/01	X	N/A	N/A		
14 PORTLAND DPW	boiler room for wytas bill dpw	D	8/30/01	8/8/01	X	N/A	N/A		
15 E WINDSOR	1 sft rope gasket,	ND	8/23/01	8/23/01	X	2	1	1	
	180 ft airseal wytas to do CANCEL THIS	D	John	wytas					
16 MILFORD PAINT	1 sft gasket, 1 sft co cover, minor debris	ND	8/23/01	8/23/01	X	9	4	7	WW
17 MILFORD BRIDGE	design NOTIFICATION NEEDED ON HOLD	D							
18 E GRANBY REPAIR	30 sft rib insulation, 1 sft, 1 sft, 1 sft phase 2 186 sft floor tile	ND	8/31/01	8/31/01	X	SEE	LOGS		1 800
	see below								
19 VERNON GARAGE	gasket clean out glove bags	ND	8/4/01	8/4/01	X	7	2	3	WW
20 SIMSBURY	1 sft chimney breaching cement	ND	8/4/01	8/4/01	X	4	2	1	WW
21 DANBURY GARAGE	1 LFT BURNER GASKET ON 2 HEATERS		8/8/01	8/8/01	X	4	1	2	HIGH
22 OCCUM MAINT	1 SFT SIGHT DOOR 2 SFT BURN GASK		8/10/01	8/11/01	X	2	1		WW
23 MONTVILLE	2 SFT BREECHING CEMENT		8/10/01	8/11/01	X				
	120 SFT TRANSITE CEILING		8/10/01	8/11/01	X	37	18		1 1080
24 WINDSOR MAINT	BOILER ROOM DOOR REMOVE		8/4/01	8/4/01	X		2 FD		2 doors
						249	89		
PHASE 2									
25 HIGGANUM	chimney cement and fire chamber cement	ND	8/8/01	8/8/01	x	2	2	2	
26 E HARTFORD	WORK ON UNBOLTING SIDING	ND	8/8/01	8/8/01	x	2.5	1	1	
27 WINCHESTER	GASKETS	ND	8/12/01	8/12/01	x	8	2	3	
28 WATERBURY	ELEO PANEL	ND	11/8/01	11/10/01	X	8	2	3	
29 OXFORD AIRPORT	GASKETS AND BX CABLE	ND	10/8/01	10/8/01	x	33	4		full contain
30 southington	breach cement window glaze	ND	11/18/01	11/19/01	x	6	3	1	ext rem
31 e granby	186 sft of tile from above	d	11/7/01	11/8/01	x	38	13		full contain

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II. BULK SAMPLE LOCATION DIAGRAMS	8
III. SAMPLE LOG AND RESULTS TABLE.....	12
IV. LABORATORY ANALYSIS SHEETS.....	21

I. PROJECT NARRATIVE

Overview

On August 6 and 7, 2001, a state-licensed inspector from EnviroMed Services, Inc. (EnviroMed) performed an inspection at the Department of Transportation Southington Maintenance Facility, located in Southington, Connecticut. The purpose of this inspection was to identify the presence of asbestos in suspect building material, so that asbestos-containing material could be 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 thirty-six (136) bulk samples were collected. The materials sampled include: 12"x12" tan with brown, orange, and white streaks vinyl floor tile and associated mastic, 12"x12" brown with black, brown, and white streaks vinyl floor tile and associated mastic, 12"x12" olive green with white and brown streaks vinyl floor tile and associated mastic, 4" brown cove base molding and associated glue, gypsum wallboard, gypsum wallboard joint compound, four styles of suspended ceiling tile, gypsum ceiling board, two types of window glazing, interior and exterior window frame caulk, interior and exterior door frame caulk, transite panel and associated joint sealant, three types of door glass glazing, floor expansion joint, white floor expansion joint sealant, interior and exterior wall expansion joint, sidewalk expansion joint, column-block wall interface caulk, chimney breaching cement, gray flashing cement, gray flashing paper, three types of flashing membrane, counter flashing caulk, three types of flashing cement, all layers comprising built up roofing, boiler rib gasket, burner gasket, burner plate gasket, front and rear inspection port gaskets, front and rear inspection port window gasket, clean-out gasket, and boiler exhaust gasket.

Refer to Section II, Bulk Sample Location Diagrams, for sample locations and identification.

Summary of Results

Carolina Environmental, Inc. accredited asbestos laboratory (NVLAP #101768-0) 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:

Ground Floor- Office Area

Foyer, Supervisor's Office, Clerk's Office, Locker Room, Ladies' Bathroom and Men's Bathroom

Foyer:

There is approximately 36 square feet of 12"x12" tan with brown, orange and white streaks vinyl floor tile and associated mastic located in the foyer. The 12"x12" tan with brown, orange and white streaks vinyl floor tile was found to contain 3 percent asbestos. The mastic under the 12"x12" tan with brown, orange and white streaks vinyl floor tile was found to contain 3-10 percent asbestos.

There is approximately 24 linear feet of 4" brown cove base molding and associated glue located in these rooms. The glue behind 4" brown cove base molding was found to contain 3 percent asbestos. The 4" brown cove base molding was found to contain no asbestos.

DWG-2

There is approximately 7 linear feet of door glass glazing located on the exterior door located in this area. The door glass glazing (type II) was found to contain 5 percent asbestos.

Supervisor's Office:

There was approximately 108 square feet of the 12"x12" tan with brown, orange and white streaks vinyl floor tile in this area and was found to contain 3 percent asbestos. The mastic under the 12"x12" tan with brown, orange and white streaks vinyl floor tile was found to contain 3-10 percent asbestos.

There is approximately 42 linear feet of 4" brown cove base molding and associated glue located in these rooms. The glue behind 4" brown cove base molding was found to contain 3 percent asbestos. The 4" brown cove base molding was found to contain no asbestos.

WG1

There is approximately [?]₇₂ linear feet of interior window glazing (type I) located in the supervisor's office.

DWG-1

There is approximately 10 linear feet of door glass glazing located on the interior door located in this area. The door glass glazing (type I) was found to contain 5 percent asbestos.

Supervisor's Office Continued:

C1 There is approximately 15 linear feet of interior window frame sealant (type I). The interior window frame sealant (type I) was found to contain 5 percent asbestos.

Clerk's Office:

There is approximately 180 square feet of 12"x12" tan with brown, orange and white streaks vinyl floor tile was found to contain 3 percent asbestos. The mastic under the 12"x12" tan with brown, orange and white streaks vinyl floor tile was found to contain 3-10 percent asbestos. The 12"x12" olive green with white and brown streaks vinyl floor tile was found to contain no asbestos.

There is approximately 55 linear feet of 4" brown cove base molding and associated glue located in these rooms. The glue behind 4" brown cove base molding was found to contain 3 percent asbestos. The 4" brown cove base molding was found to contain no asbestos.

WG1 There is approximately 26 linear feet of interior window glazing (type I) located in the supervisor's office.

Clerk's ?

C1 There is approximately 15 linear feet of interior window frame sealant (type I). The interior window frame sealant (type I) was found to contain 5 percent asbestos.

DWG-3 There is approximately 4 linear feet of door glass glazing located on the interior door located in this area. The door glass glazing (type III) was found to contain 5 percent asbestos.

Locker Room:

There is approximately 133 square feet of 12"x12" tan with brown, orange and white streaks vinyl floor tile was found to contain 3 percent asbestos. The mastic under the 12"x12" tan with brown, orange and white streaks vinyl floor tile was found to contain 3-10 percent asbestos. The mastic under the 12"x12" olive green with white and brown streaks vinyl floor tile patch areas found in the locker room was found to contain 3 percent asbestos. There is approximately 20 square feet of 12"x12" olive green with white and brown streaks vinyl floor tile was found to contain no asbestos.

Locker Room Continued:

There is approximately 36 linear feet of 4" brown cove base molding and associated glue. The glue behind 4" brown cove base molding was found to contain 3 percent asbestos. The 4" brown cove base molding was found to contain no asbestos.

There is approximately 15 linear feet of interior window frame sealant (type I). The interior window frame sealant (type I) was found to contain 5 percent asbestos.

WG1 There is approximately 52 linear feet of interior window glazing (type I) located in the Locker Room. The interior window glazing (type I) was found to contain 5 percent asbestos.

DWG2 There is approximately 7 linear feet of door glass glazing located on the interior door located in this area. The door glass glazing (type II) was found to contain 5 percent asbestos.

Ladies' Room:

There is approximately 27 square feet of 12"x12" tan with brown, orange and white streaks vinyl floor tile was found to contain 3 percent asbestos. The mastic under the 12"x12" tan with brown, orange and white streaks vinyl floor tile was found to contain 3-10 percent asbestos. There was approximately 18 square feet of mastic under the 12"x12" olive green with white and brown streaks vinyl floor tile patch areas found in the locker room was found to contain 3 percent asbestos. There is approximately 20 square feet of 12"x12" olive green with white and brown streaks vinyl floor tile was found to contain no asbestos.

Men's Bathroom:

WG1 There is approximately 24 linear feet of interior window glazing (type I) located on the window located in this area. The interior window glazing (type I) was found to contain 5 percent asbestos.

C1 There is approximately 15 linear feet of interior window frame sealant (type I). The interior window frame sealant (type I) was found to contain 5 percent asbestos.

Boiler Room

Abated + Replaced - Resampled - BR1

There is approximately 1 square foot of chimney breaching cement located in this area. The chimney breaching cement was found to contain no asbestos, however due to contamination from previously applied chimney breaching cement this material is considered to be asbestos containing. The previously applied chimney breaching cement was found to contain 5 percent asbestos.

WG2

There is approximately 28 linear feet of exterior window glazing (type II) located in this room. The exterior window glazing (type II) was found to contain 2 percent asbestos.

Office Area - Exterior

There is approximately 205 square feet of transite panels and associated sealant located above the doors, and above and below the windows in this area. The transite panel was found to contain 25 percent asbestos. The transite panel sealant was found to contain 5 percent asbestos.

Ground Floor- Garage Area

Bays 1-14

There is approximately 150 linear feet of white floor expansion joint sealant located in this area. This material was found to contain 35 percent asbestos.

There is approximately 24 square feet of transite panels and associated sealant located above the two exterior exit doors in this area. The transite panel was found to contain 25 percent asbestos. The transite panel sealant was found to contain 5 percent asbestos. These materials are accessible from the interior and exterior of the building.

There is approximately 20 linear feet of door glass glazing (type I) located among the two exterior exit doors. This material was found to contain 5 percent asbestos.

Exterior - Roof

FL2

There is approximately 36 square feet of chimney flashing cement and chimney flashing membrane located along the chimney. The chimney flashing cement was found to contain 15 percent asbestos. The chimney flashing membrane was found to contain 20 percent asbestos.

FL3

There is approximately 108 square feet of mechanical unit flashing cement and mechanical unit flashing membrane located along the mechanical units. The mechanical unit flashing membrane was found to contain 15 percent asbestos. The mechanical unit flashing membrane was found to contain no asbestos.

FL4

There is approximately 120 square feet of wall flashing cement and wall flashing membrane located along the parapet wall. The wall flashing cement was found to contain 15 percent asbestos. The wall flashing membrane was found to contain no asbestos.

FL1

There is approximately 1,330 square feet of gray flashing paper and associated gray flashing cement located along the perimeter of the roof. The gray flashing paper was found to contain 60-75 percent asbestos. The gray flashing cement was found to contain 15 percent asbestos.

Non-Asbestos Containing Materials Found During the Inspection

The following materials were found to contain legally insignificant amounts (0-1 percent) of asbestos: 12"x12" brown with black, brown, and white streaks vinyl floor tile and associated mastic, gypsum wallboard, gypsum wallboard compound, four styles of suspended ceiling tile, gypsum ceiling board, floor expansion joint, interior and exterior wall expansion joint, sidewalk expansion joint, column-block wall interface caulk, counter flashing caulk, all layers comprising built up roofing, boiler rib gasket, burner gasket, burner plate gasket, front and rear inspection port gaskets, front and rear inspection port window gasket, clean-out gasket, and boiler exhaust gasket.

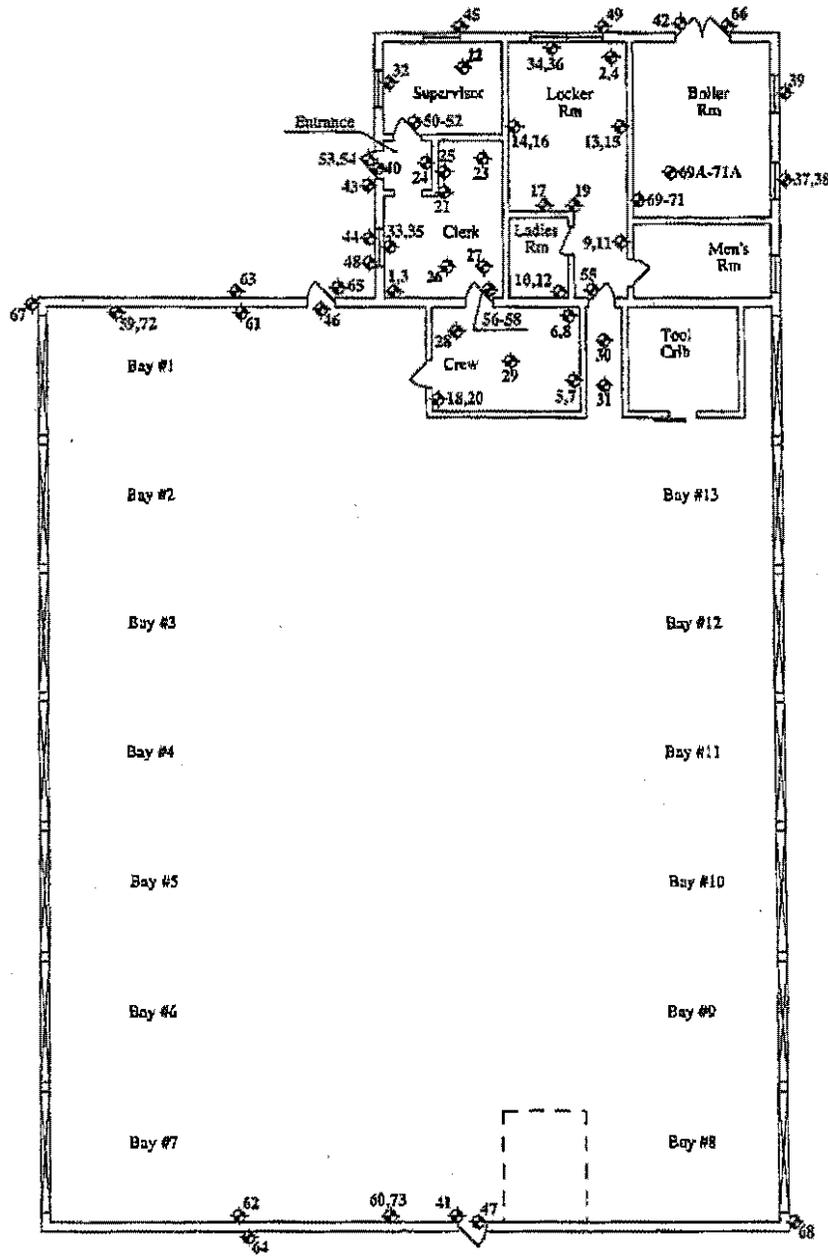
See Section IV for a copy of the laboratory analysis sheets for the samples collected.

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. Due to the present occupation of the building, the doors were not probed to determine the presence of asbestos containing door insulation. Prior to disturbance or disposal of the doors the doors shall be sampled by a licensed asbestos inspector to determine the presence of asbestos containing materials within the doors.

3. 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.

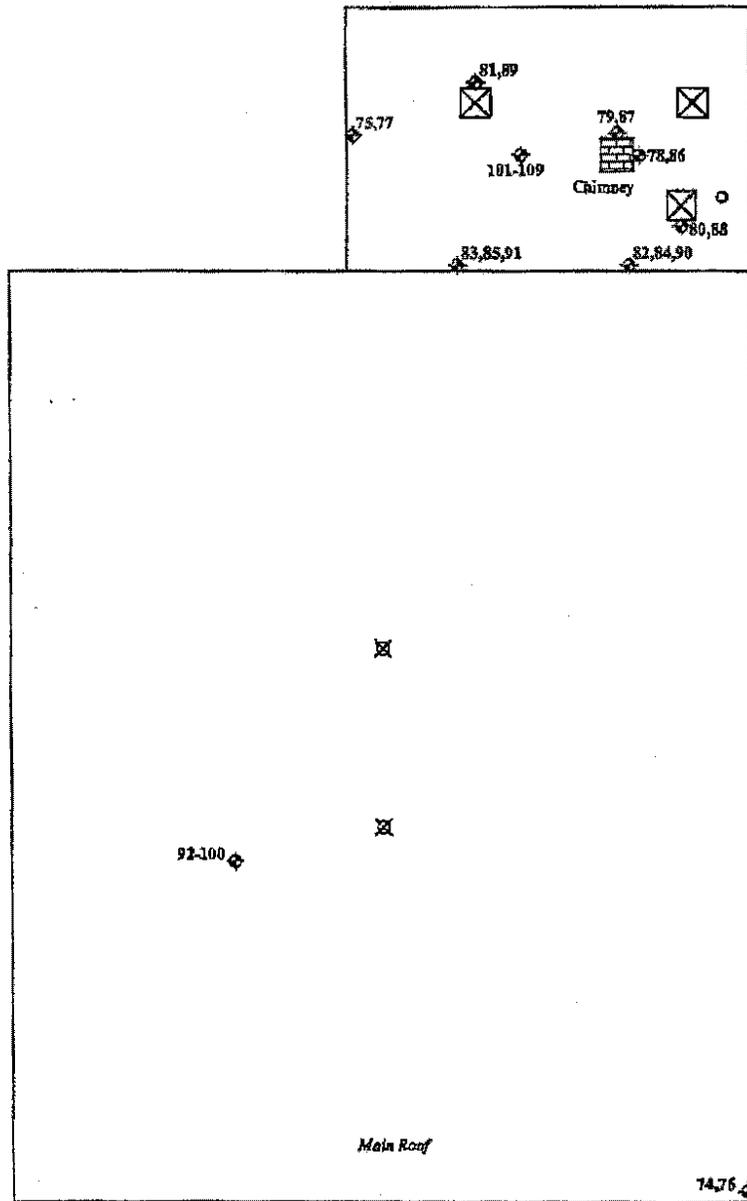
II. BULK SAMPLE LOCATION DIAGRAMS



Legend :

⊙ = Sample Number & Location

Drawing Title:		Asbestos Bulk Sample Location Diagram	
Prepared by:	EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date:	7/06,07/01
Project:	DOT Maintenance Garage Bldg # 81-369 Floor Plan Southington, Connecticut	Scale:	N.T.S.
Prepared for:	State of Connecticut Department of Transportation Newington, Connecticut	Drawn By:	DER
EMS # IH-01-604		Approved By:	J.F.
		Drawing No.	1
		of 3	



Legend :

- ◆ = Sample Number & Location
- ☒ = Mechanical Unit
- ⊗ = Roof Drain
- = Vent Tube

Drawing Title:

Asbestos Bulk Sample Location Diagram

Prepared by: **EnviroMed Services, Inc.**
25 Science Park, New Haven, CT 06511

Date: 7/06,07/01

Project: **DOT Maintenance Garage Bldg # 81-369**
Roof Plan
Southington, Connecticut

Scale: N.T.S.

Drawn By: DER

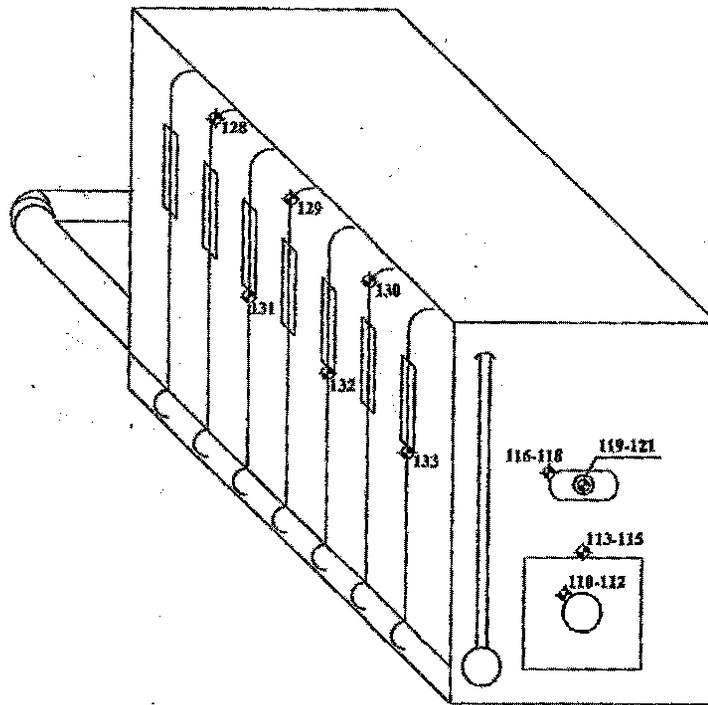
Prepared for: **State of Connecticut**
Department of Transportation
Newington, Connecticut

Approved By:
J.F.

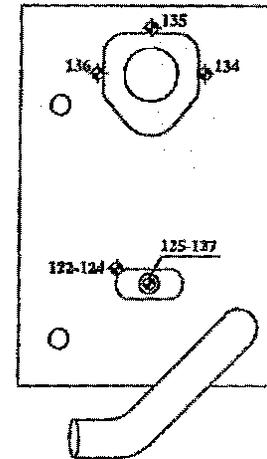
Drawing No.

EMS # BR-01-604

2 of 3



Front of Boiler



Rear of Boiler

Legend :

◆ = Sample Number & Location

Drawing Title:		Asbestos Bulk Sample Location Diagram	
Prepared by:	EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date:	7/06/07/01
Project:	DOT Maintenance Garage Bldg # 81-369 Boiler View Southington, Connecticut	Scale:	N.T.S.
Prepared for:	State of Connecticut Department of Transportation Newington, Connecticut	Drawn By:	DER
EMS # 1H-01-604		Approved By:	J.F.
		Drawing No.	3 of 3

III. SAMPLE LOG AND RESULTS TABLE

Sample Number	Location	Material Sampled	Percent Asbestos
1	clerk's office <i>FT1</i>	12" X 12" tan with brown, orange, and white streaks vinyl floor tile	3
2	locker room <i>FT1</i>	12" X 12" tan with brown, orange, and white streaks vinyl floor tile	3
3	clerk's office <i>FT1</i>	mastic under 12" X 12" tan with brown, orange, and white streaks vinyl floor tile	3
4	locker room <i>FT1</i>	mastic under 12" X 12" tan with brown, orange, and white streaks vinyl floor tile	10
5	crew room <i>FT2 - Resampled.</i>	12"x12" brown with black, brown, and white streaks vinyl floor tile	NAD
6	crew room <i>FT2</i>	12"x12" brown with black, brown, and white streaks vinyl floor tile	NAD
7	crew room <i>FT2</i>	mastic under 12"x12" brown with black, brown, and white streaks vinyl floor tile	NAD
8	crew room <i>FT2</i>	mastic under 12"x12" brown with black, brown, and white streaks vinyl floor tile	NAD
9	locker room <i>FT3 (+)</i>	12"x12" olive green with white and brown streaks vinyl floor tile	NAD
10	ladies' bathroom <i>FT3 (+)</i>	12"x12" olive green with white and brown streaks vinyl floor tile	NAD
11	locker room <i>FT3 (+)</i>	mastic under 12"x12" olive green with white and brown streaks vinyl floor tile	<1
12	ladies' bathroom <i>FT3 (+)</i>	mastic under 12"x12" olive green with white and brown streaks vinyl floor tile	3
13	locker room <i>CB1 - Resampled</i>	4" brown cove base molding	NAD
14	locker room <i>CB1 Resampled</i>	4" brown cove base molding	NAD
15	locker room <i>CBG1</i>	glue behind 4" brown cove base molding	3
16	locker room <i>CBG1</i>	glue behind 4" brown cove base molding	3

NAD - No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
17	locker room	gypsum wallboard SHKZ	NAD
18	crew room	gypsum wallboard SHKZ	NAD
19	locker room	gypsum wallboard joint compound SHKZ	NAD
20	crew room	gypsum wallboard joint compound SHKZ	NAD
21	clerk's office	gypsum wallboard joint compound SHKZ	NAD
22	supervisor's office	suspended ceiling tile - type I pock mark pattern	NAD
23	clerk's office	suspended ceiling tile - type I pock mark pattern	NAD
24	clerk's office foyer	suspended ceiling tile - type II short grooves pattern	NAD
25	clerk's office	suspended ceiling tile - type II short grooves pattern	NAD
26	clerk's office	suspended ceiling tile - type III bird feet pattern	NAD
27	clerk's office	suspended ceiling tile - type III bird feet pattern	NAD
28	crew room	suspended ceiling tile - type IV large grooves and holes	NAD
29	crew room	suspended ceiling tile - type IV large grooves and holes	NAD
30	hallway	gypsum ceiling board SHKZ	NAD
31	hallway	gypsum ceiling board SHKZ	NAD
32	supervisor's office	window glazing WGT 975 3 pane	NAD
33	clerk's office	window glazing WGT type I	NAD

loss of ceiling tile

NAD - No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
34	locker room WG-1	window glazing type I	5
35	clerk's office possibly C1	window frame caulk type I - interior	5
36	locker room possibly C1	window frame caulk type I - interior	5
37	exterior boiler room WG-2	window glazing type II	2
38	exterior boiler room WG-2	window glazing type II	2
39	exterior boiler room WG-2	window glazing type II	NAD
40	clerk's office foyer C3 - Resampled	door frame caulk interior	NAD
41	bay # 8 C3 Resampled	door frame caulk interior	NAD
42	exterior boiler room C10 Resampled	door frame caulk exterior	NAD
43	exterior clerk's office foyer C10	door frame caulk exterior	NAD
44	exterior clerk's office C8	Resampled - window frame caulk exterior	5
45	exterior supervisor's office C8	Resampled - window frame caulk exterior	5
46	bay # 1 T1	transite panel	25
47	bay # 8 T1	transite panel	25
48	exterior clerk's office WG-1	caulk behind transite panel	5
49	exterior locker room WG-1	caulk behind transite panel	5
50	supervisor's office	door glass glazing type I Dwg-1	5

NAD - No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
51	supervisor's office	door glass glazing type I <i>DWG 7 2x3</i>	5%
52	supervisor's office	door glass glazing type I <i>DWG 7 2x3</i>	5%
53	exterior clerk's office foyer	door glass glazing type II <i>DWG 2 34" x 6</i>	5%
54	exterior clerk's office foyer	door glass glazing type II <i>DWG 2</i>	5%
55	locker room	door glass glazing type II <i>DWG 2</i>	5%
56	clerk's office	door glass glazing type III <i>DWG 3 1x1</i>	5%
57	clerk's office	door glass glazing type III <i>DWG 3</i>	5%
58	clerk's office	door glass glazing type III <i>DWG 3</i>	5%
59	bay # 1	floor expansion joint <i>FEJ 1 Resampled</i>	NAD
60	bay # 8	floor expansion joint <i>FEJ 1 Resampled</i>	NAD
61	bay # 1	wall expansion joint interior <i>C14 Resampled</i>	NAD
62	bay # 7	wall expansion joint interior <i>C14 Resampled</i>	NAD
63	exterior bay # 1	wall expansion joint exterior <i>C12</i>	NAD
64	exterior bay # 7	wall expansion joint exterior <i>C12</i>	NAD
65	exterior bay # 1	side walk expansion joint <i>SEJ 1 Resampled</i>	NAD
66	exterior boiler room	side walk expansion joint <i>SEJ 1</i>	NAD
67	exterior bay # 1	between column and block wall <i>C11 - Resampled</i>	NAD

NAD - No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
68	exterior bay # 8 <i>CT Resample</i>	caulk between column and block wall	NAD
69	boiler room	chimney breaching cement <i>Abated</i>	NAD
69A	boiler room	spray-on insulation adhered to chimney breaching cement <i>Abated</i>	5%
70	boiler room	chimney breaching cement <i>Abated</i>	NAD
70A	boiler room	spray-on insulation adhered to chimney breaching cement <i>Abated</i>	5%
71	boiler room	chimney breaching cement <i>Abated</i>	NAD
71A	boiler room	spray-on insulation adhered to chimney breaching cement <i>Abated</i>	5%
72	bay # 7	floor expansion joint sealer <i>CT Resample</i>	35%
73	bay # 8	floor expansion joint sealer <i>CT Resampled</i>	35%
74	roof	flashing cement gray <i>FL1</i>	15%
75	roof	flashing cement gray <i>FL1</i>	15%
76	roof	flashing paper gray <i>FL1</i>	75%
77	roof	flashing paper gray <i>FL1</i>	60%
78	roof	flashing membrane chimney <i>FL2</i>	20%
79	roof	flashing membrane chimney <i>FL2</i>	20%
80	roof	flashing membrane mechanical unit <i>FL3</i>	NAD
81	roof	flashing membrane mechanical unit <i>FL3</i>	NAD

NAD - No Asbestos Detected

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Sample Number	Location	Material Sampled	Percent Asbestos
99	roof	built up roofing eighth layer <i>RF1</i>	NAD
100	roof	built up roofing bottom layer <i>RF2</i>	NAD
101	roof	built up roofing top layer <i>RF1</i>	NAD
102	roof	built up roofing second layer <i>RF1</i>	NAD
103	roof	built up roofing third layer <i>RF1</i>	NAD
104	roof	built up roofing fourth layer <i>RF1</i>	NAD
105	roof	built up roofing fifth layer <i>RF1</i>	NAD
106	roof	built up roofing sixth layer <i>RF1</i>	NAD
107	roof	built up roofing seventh layer <i>RF1</i>	NAD
108	roof	built up roofing eighth layer <i>RF1</i>	NAD
109	roof	built up roofing bottom layer <i>RF2</i>	NAD
110	boiler room	burner gasket <i>G8</i>	NAD
111	boiler room	burner gasket	NAD
112	boiler room	burner gasket	NAD
113	boiler room	burner plate gasket <i>G9</i>	NAD
114	boiler room	burner plate gasket	NAD
115	boiler room	burner plate gasket	NAD

NAD - No Asbestos Detected

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Sample Number	Location	Material Sampled	Percent Asbestos	
82	roof	flashing membrane wall FL4	NAD	
83	roof	flashing membrane wall FL4	NAD	
84	roof	counter flashing caulk C17	NAD	
85	roof	counter flashing caulk C17	NAD	
86	roof	flashing cement chimney FL2	15	
87	roof	flashing cement chimney FL2	15	
88	roof	flashing cement mechanical unit FL3	15	
89	roof	flashing cement mechanical unit FL3	15	
90	roof	flashing cement wall FL4	15	
91	roof	flashing cement wall FL4	15	
92	roof	RFL built up roofing top layer	NAD	
93	roof		built up roofing second layer	NAD
94	roof		built up roofing third layer	NAD
95	roof		built up roofing fourth layer	NAD
96	roof		built up roofing fifth layer	NAD
97	roof		built up roofing sixth layer	NAD
98	roof		built up roofing seventh layer	NAD

NAD - No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
116	boiler room	front inspection port gasket G7 - Rope like	NAD
117	boiler room	front inspection port gasket G7 - Rope like	NAD
118	boiler room	front inspection port gasket G7 Rope like	NAD
119	boiler room	front inspection port window gasket G2 - Glace like	NAD
120	boiler room	front inspection port window gasket G2	NAD
121	boiler room	front inspection port window gasket G2	NAD
122	boiler room	rear inspection port gasket G3 Rope like	NAD
123	boiler room	rear inspection port gasket G3	NAD
124	boiler room	rear inspection port gasket G3	NAD
125	boiler room	rear inspection port window gasket G4 Glace like	NAD
126	boiler room	rear inspection port window gasket G4	NAD
127	boiler room	rear inspection port window gasket G4	NAD
128	boiler room	boiler rib gasket G5 Rope like	NAD
129	boiler room	boiler rib gasket G5	NAD
130	boiler room	boiler rib gasket G5	NAD
131	boiler room	boiler clean-out gasket G6 Mineral wool like	NAD
132	boiler room	boiler clean-out gasket	NAD

NAD - No Asbestos Detected

Sample Number	Location	Material Sampled	Percent Asbestos
133	boiler room	boiler clean-out gasket	NAD
134	boiler room	boiler exhaust gasket <i>Popelite G7</i>	NAD
135	boiler room	boiler exhaust gasket	NAD
136	boiler room	boiler exhaust gasket	NAD

NAD - No Asbestos Detected

IV. LABORATORY ANALYSIS SHEETS

CAROLINA ENVIRONMENTAL, INC.
 102-H Commonwealth Court, Cary, NC 27511
 Phone: (919) 481-1413 Fax: (919) 481-1442

LABORATORY REPORT

ASBESTOS BULK ANALYSIS

Client: **Enviromed Services, Inc.**
 25 Science Park
 New Haven, CT 06511

CEI Lab Code: A01-4424
 Received: 09-04-01
 Analyzed: 09-10-01
 Analyst: Edwin J. Stager

Project: DOT / Southington # 81-369
 Project # IH-01-604

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
01	A54198	<u>FLOOR TILE</u> Heterogeneous, Brown, Pink, Fibrous, Tightly Bound CHRY 3 % VINYL 90 % MICA 7 %	CHRY 3 %
02	A54199	<u>FLOOR TILE</u> Heterogeneous, Brown, Pink, Fibrous, Tightly Bound CHRY 3 % VINYL 90 % MICA 7 %	CHRY 3 %
03	A54200	<u>MASTIC</u> Heterogeneous, Black, Fibrous, Tightly Bound CHRY 3 % TAR 95 % CELL 2 %	CHRY 3 %
04	A54201	<u>MASTIC</u> Heterogeneous, Black, Fibrous, Tightly Bound CHRY 10 % TAR 85 % CELL 5 %	CHRY 10 %
05	A54202	<u>FLOOR TILE</u> Heterogeneous, Brown, Black, Fibrous, Tightly Bound VINYL 95 % CELL <1 % MICA 5 %	ND
06	A54203	<u>FLOOR TILE</u> Heterogeneous, Brown, Black, Fibrous, Tightly Bound VINYL 95 % CELL <1 % MICA 5 %	ND

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 102H Commonwealth Court, Cary, NC 27511
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Project: DOT / Southington # 81-369
 Project # IH-01-804
 Lab Code: A01-4424

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
07	A54204	<u>MASTIC</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 85 % CELL <1 % SYNT 15 %	ND
08	A54205	<u>MASTIC</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 85 % CELL <1 % SYNT 15 %	ND
09	A54206	<u>FLOOR TILE</u> Heterogeneous, Brown, Off-white, Fibrous, Tightly Bound VINYL 95 % CELL <1 % MICA 5 %	ND
10	A54207	<u>FLOOR TILE</u> Heterogeneous, Brown, Off-white, Fibrous, Tightly Bound VINYL 95 % CELL <1 % MICA 5 %	ND
11	A54208	<u>MASTIC</u> Heterogeneous, Brown, Black, Fibrous, Tightly Bound CHRY <1 % TAR 10 % CELL 5 % MAST 85 %	CHRY <1 %
12	A54209	<u>MASTIC</u> Heterogeneous, Brown, Black, Fibrous, Tightly Bound CHRY 3 % TAR 45 % CELL 2 % MAST 50 %	CHRY 3 %
13	A54210	<u>COVE MOLDING</u> Heterogeneous, Brown, Black, Non-fibrous, Tightly Bound VINYL 10 % RUBR 90 %	ND
14	A54211	<u>COVE MOLDING</u> Heterogeneous, Brown, Black, Non-fibrous, Tightly Bound VINYL 10 % RUBR 90 %	ND

CAROLINA ENVIRONMENTAL, INC.
 102-H Commonwealth Court, Cary, NC 27511
 Phone: 919-431-1413 Fax: 919-431-1442

Project: DOT / Southington # 81-369
 Project # IH-01-604
 Lab Code: AD1-4424

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
15	A54212	<u>MASTIC</u> Heterogeneous, Brown, Black, Fibrous, Tightly Bound TREM 3 % MAST 85 % CELL <1 % TAR 10 % TALC 2 %	TREM 3 %
16	A54213	<u>MASTIC</u> Heterogeneous, Brown, Fibrous, Tightly Bound TREM 3 % MAST 95 % CELL <1 % TALC 2 %	TREM 3 %
17	A54214	<u>DRYWALL, JOINT COMPOUND & PAINT</u> Heterogeneous, Brown, Off-white, Fibrous, Bound PLAS 65 % CELL 25 % PAINT 5 % MICA 5 %	ND
18	A54215	<u>DRYWALL & PAINT</u> Heterogeneous, Grey, Off-white, Fibrous, Bound PLAS 65 % CELL 30 % PAINT 5 %	ND
19	A54216	<u>JOINT COMPOUND & PAINT</u> Heterogeneous, Off-white, Tan, Fibrous, Bound PLAS 65 % CELL <1 % PAINT 10 % MICA 25 %	ND
20	A54217	<u>JOINT COMPOUND & PAINT</u> Heterogeneous, Off-white, Tan, Fibrous, Bound PLAS 65 % CELL <1 % PAINT 10 % MICA 25 %	ND
21	A54218	<u>JOINT COMPOUND & PAINT</u> Heterogeneous, Off-white, Tan, Fibrous, Bound PLAS 65 % CELL <1 % PAINT 10 % MICA 25 %	ND
22	A54219	<u>CEILING TILE</u> Heterogeneous, Grey, White, Fibrous, Loosely Bound PERL 30 % CELL 35 % PAINT 5 % FBGL 30 %	ND

CAROLINA ENVIRONMENTAL, INC.
 102-H Commonwealth Court, Cary, NC 27511
 Phone: 919-481-1413 Fax: 919-481-1442

Project: DOT / Southington # 81-369
 Project # IH-01-604
 Lab Code: A01-4424

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS				
23	A54220	<u>CEILING TILE</u> Heterogeneous, Grey, White, Fibrous, Loosely Bound	PERL	30 %	CELL	35 %	ND
			PAINT	5 %	FBGL	30 %	
24	A54221	<u>CEILING TILE</u> Heterogeneous, Grey, Fibrous, Loosely Bound	BIND	5 %	CELL	<1 %	ND
			PERL	5 %	FBGL	90 %	
25	A54222	<u>CEILING TILE</u> Heterogeneous, Grey, White, Fibrous, Loosely Bound	BIND	5 %	CELL	<1 %	ND
			PERL	5 %	FBGL	80 %	
			PAINT	10 %			
26	A54223	<u>CEILING TILE</u> Heterogeneous, Grey, White, Fibrous, Loosely Bound	PERL	30 %	CELL	35 %	ND
			PAINT	5 %	FBGL	30 %	
27	A54224	<u>CEILING TILE</u> Heterogeneous, Grey, White, Fibrous, Loosely Bound	PERL	30 %	CELL	35 %	ND
			PAINT	5 %	FBGL	30 %	
28	A54225	<u>CEILING TILE</u> Heterogeneous, Grey, White, Fibrous, Loosely Bound	PERL	30 %	CELL	35 %	ND
			PAINT	5 %	FBGL	30 %	
29	A54226	<u>CEILING TILE</u> Heterogeneous, Grey, White, Fibrous, Loosely Bound	PERL	30 %	CELL	35 %	ND
			PAINT	5 %	FBGL	30 %	
30	A54227	<u>DRYWALL</u> Heterogeneous, Brown, Grey, Fibrous, Bound	PLAS	85 %	CELL	15 %	ND

CAROLINA ENVIRONMENTAL, INC.
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 Phone: 919-481-1413 Fax: 919-481-1442

Project: DOT / Southington # 81-369
 Project # IH-01-604
 Lab Code: A01-4424

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
31	A54228	<u>DRYWALL & PAINT</u> Heterogeneous, Brown, Off-white, Fibrous, Bound PLAS 45 % CELL 50 % PAINT 5 %	ND
32	A54229	<u>WINDOW GLAZING</u> Heterogeneous, Brown, Grey, Fibrous, Tightly Bound CHRY 5 % CAULK 90 % CELL <1 % PAINT 5 %	CHRY 5 %
33	A54230	<u>WINDOW GLAZING</u> Heterogeneous, Brown, Grey, Fibrous, Tightly Bound CHRY 5 % CAULK 95 % CELL <1 %	CHRY 5 %
34	A54231	<u>WINDOW GLAZING</u> Heterogeneous, Brown, Grey, Fibrous, Tightly Bound CHRY 5 % CAULK 95 % CELL <1 %	CHRY 5 %
35	A54232	<u>WINDOW GLAZING</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound CHRY 5 % CAULK 85 % CELL <1 % PAINT 5 % NTREM 5 %	CHRY 5 %
36	A54233	<u>WINDOW GLAZING</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound CHRY 5 % CAULK 85 % CELL <1 % PAINT 5 % NTREM 5 %	CHRY 5 %
37	A54234	<u>WINDOW GLAZING</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound CHRY 2 % CAULK 85 % CELL <1 % PAINT 13 %	CHRY 2 %
38	A54235	<u>WINDOW GLAZING</u> Heterogeneous, Grey, Fibrous, Tightly Bound CHRY 2 % CAULK 85 % CELL <1 % PAINT 13 %	CHRY 2 %

CAROLINA ENVIRONMENTAL, INC.
 102-H Commonwealth Court, Cary, NC 27511
 Phone: 919-481-1413 Fax: 919-481-1442

Project: DOT / Southington # 81-389
 Project # IH-01-604
 Lab Code: A01-4424

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
39	A54236	<u>WINDOW GLAZING</u> Heterogeneous, Off-white, Fibrous, Tightly Bound CAULK 100 % CELL <1 % NTREM <1 %	ND
40	A54237	<u>WINDOW GLAZING</u> Heterogeneous, Off-white, Black, Fibrous, Tightly Bound CAULK 90 % CELL <1 % PAINT 10 %	ND
41	A54238	<u>WINDOW GLAZING</u> Heterogeneous, Off-white, Black, Fibrous, Tightly Bound CAULK 90 % CELL <1 % PAINT 10 %	ND
42	A54239	<u>CAULK</u> Heterogeneous, Tan, Grey, Fibrous, Tightly Bound CAULK 90 % CELL <1 % PAINT 10 % FBGL <1 %	ND
43	A54240	<u>CAULK</u> Heterogeneous, Tan, Grey, Fibrous, Tightly Bound CAULK 90 % CELL <1 % PAINT 10 % FBGL <1 %	ND
44	A54241	<u>CAULK</u> Heterogeneous, Grey, Fibrous, Tightly Bound CHRY 5 % CAULK 75 % CELL <1 % PAINT 15 % NTREM 5 %	CHRY 5 %
45	A54242	<u>CAULK</u> Heterogeneous, Grey, Fibrous, Tightly Bound CHRY 5 % CAULK 75 % CELL <1 % PAINT 15 % NTREM 5 %	CHRY 5 %
46	A54243	<u>TRANSITE</u> Heterogeneous, Grey, Fibrous, Tightly Bound CHRY 25 % BIND 75 %	CHRY 25 %

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
47	A54244	<u>TRANSITE</u> Heterogeneous, Grey, Fibrous, Tightly Bound CHRY 25 % BIND 75 %	CHRY 25 %
48	A54245	<u>TRANSITE CAULK</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound Caulk & paint are neg; Transite pieces have 25% Chry; 5% O/A CHRY 5 % CAULK 80 % CELL <1 % PAINT 10 % BIND 5 %	CHRY 5 %
49	A54246	<u>TRANSITE CAULK</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound Caulk & paint are neg; Transite pieces have 25% Chry; 5% O/A CHRY 5 % CAULK 80 % CELL <1 % PAINT 10 % BIND 5 %	CHRY 5 %
50	A54247	<u>DOOR GLAZING</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound CHRY 5 % CAULK 85 % CELL <1 % PAINT 10 %	CHRY 5 %
51	A54248	<u>DOOR GLAZING</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound CHRY 5 % CAULK 85 % CELL <1 % PAINT 10 %	CHRY 5 %
52	A54249	<u>DOOR GLAZING</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound CHRY 5 % CAULK 85 % CELL <1 % PAINT 10 %	CHRY 5 %
53	A54250	<u>DOOR GLAZING</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound CHRY 5 % CAULK 85 % CELL <1 % PAINT 10 %	CHRY 5 %
54	A54251	<u>DOOR GLAZING</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound CHRY 5 % CAULK 85 % CELL <1 % PAINT 10 %	CHRY 5 %

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
55	A54252	<u>DOOR GLAZING</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound CHRY 5 % CAULK 85 % CELL <1 % PAINT 10 %	CHRY 5 %
56	A54253	<u>DOOR GLAZING</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound CHRY 5 % CAULK 85 % CELL <1 % PAINT 10 %	CHRY 5 %
57	A54254	<u>DOOR GLAZING</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound CHRY 5 % CAULK 85 % CELL <1 % PAINT 10 %	CHRY 5 %
58	A54255	<u>DOOR GLAZING</u> Heterogeneous, Grey, Brown, Fibrous, Tightly Bound CHRY 5 % CAULK 85 % CELL <1 % PAINT 10 %	CHRY 5 %
59	A54256	<u>EXPANSION JOINT</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 65 % CELL 35 %	ND
60	A54257	<u>EXPANSION JOINT</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 65 % CELL 35 %	ND
61	A54258	<u>EXPANSION JOINT</u> Heterogeneous, Tan, Fibrous, Tightly Bound CAULK 95 % CELL <1 % FBGL 5 %	ND
62	A54259	<u>EXPANSION JOINT</u> Heterogeneous, Tan, Fibrous, Tightly Bound CAULK 95 % CELL <1 % FBGL 5 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
63	A54260	<u>EXPANSION JOINT</u> Heterogeneous, Tan, Black, Fibrous, Tightly Bound CAULK 95 % CELL <1 % TAR 5 %	ND
64	A54261	<u>EXPANSION JOINT</u> Heterogeneous, Tan, Grey, Fibrous, Tightly Bound CAULK 95 % CELL <1 % PAINT 5 %	ND
65	A54262	<u>EXPANSION JOINT</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 65 % CELL 35 %	ND
66	A54263	<u>EXPANSION JOINT</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 85 % CELL 35 %	ND
67	A54264	<u>EXPANSION JOINT</u> Heterogeneous, Tan, Fibrous, Tightly Bound CAULK 95 % CELL <1 % FBGL 5 %	ND
68	A54265	<u>EXPANSION JOINT</u> Heterogeneous, Tan, Fibrous, Tightly Bound CAULK 95 % CELL <1 % FBGL 5 %	ND
69	A54266A	<u>CHIMNEY CEMENT</u> Heterogeneous, Grey, Fibrous, Tightly Bound BIND 75 % CELL <1 % FBGL 25 %	ND
	A54266B	<u>SPRAY-ON INSULATION</u> Heterogeneous, Tan, Fibrous, Loosely Bound TREM 5 % BIND 30 % CELL 25 % MICA 35 % NTREM 5 %	TREM 5 %
Loose tan spray-on adhering to negative chimney cement			

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
70	A54267A	<u>CHIMNEY CEMENT</u> Heterogeneous, Grey, Fibrous, Tightly Bound	ND
		BIND 75 % CELL <1 % FBGL 25 %	
	A54267B	<u>SPRAY-ON INSULATION</u> Heterogeneous, Tan, Fibrous, Loosely Bound	TREM 5 %
		Loose tan spray-on adhering to negative chimney cement	
		TREM 5 % BIND 30 % CELL 25 % MICA 35 % NTREM 5 %	
71	A54268A	<u>CHIMNEY CEMENT</u> Heterogeneous, Grey, Fibrous, Tightly Bound	ND
		BIND 75 % CELL <1 % FBGL 25 %	
	A54268B	<u>SPRAY-ON INSULATION</u> Heterogeneous, Tan, Fibrous, Loosely Bound	TREM 5 %
		Loose tan spray-on adhering to negative chimney cement	
		TREM 5 % BIND 30 % CELL 25 % MICA 35 % NTREM 5 %	
72	A54269	<u>EXPANSION JOINT SEALER</u> Heterogeneous, Tan, Fibrous, Tightly Bound	CHRY 35 %
		CHRY 35 % BIND 65 % CELL <1 %	
73	A54270	<u>EXPANSION JOINT SEALER</u> Heterogeneous, Tan, Fibrous, Tightly Bound	CHRY 35 %
		CHRY 35 % BIND 85 % CELL <1 %	
74	A54271	<u>FLASHING CEMENT</u> Heterogeneous, Black, Fibrous, Tightly Bound	CHRY 15 %
		CHRY 15 % TAR 85 % CELL <1 %	
75	A54272	<u>FLASHING CEMENT</u> Heterogeneous, Black, Fibrous, Tightly Bound	CHRY 15 %
		CHRY 15 % TAR 85 % CELL <1 %	

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
76	A54273	<u>PAPER FLASHING</u> Heterogeneous, Black, Grey, Fibrous, Tightly Bound CHRY 75 % TAR 25 % CELL <1 %	CHRY 75 %
77	A54274	<u>PAPER FLASHING</u> Heterogeneous, Black, Grey, Fibrous, Tightly Bound CHRY 60 % TAR 40 % CELL <1 %	CHRY 60 %
78	A54275	<u>FLASHING MEMBRANE</u> Heterogeneous, Black, Fibrous, Tightly Bound CHRY 20 % TAR 45 % CELL 15 % FBGL 20 %	CHRY 20 %
79	A54276	<u>FLASHING MEMBRANE</u> Heterogeneous, Black, Fibrous, Tightly Bound CHRY 20 % TAR 45 % CELL 15 % FBGL 20 %	CHRY 20 %
80	A54277	<u>FLASHING MEMBRANE</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 55 % CELL <1 % SILI 10 % FBGL 35 %	ND
81	A54278	<u>FLASHING MEMBRANE</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 55 % CELL <1 % SILI 10 % FBGL 35 %	ND
82	A54279	<u>FLASHING MEMBRANE</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 55 % CELL <1 % SILI 10 % FBGL 35 %	ND
83	A54280	<u>FLASHING MEMBRANE</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 55 % CELL <1 % SILI 10 % FBGL 35 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
84	A54281	<u>FLASHING CAULK</u> Heterogeneous, Grey, Clear, Fibrous, Tightly Bound CAULK 100 % CELL <1 %	ND
85	A54282	<u>FLASHING CAULK</u> Heterogeneous, Grey, Fibrous, Tightly Bound CAULK 85 % CELL <1 % FBGL 5 %	ND
86	A54283	<u>FLASHING CEMENT</u> Heterogeneous, Black, Fibrous, Tightly Bound CHRY 15 % TAR 85 % CELL <1 %	CHRY 15 %
87	A54284	<u>FLASHING CEMENT</u> Heterogeneous, Black, Fibrous, Tightly Bound CHRY 15 % TAR 85 % CELL <1 %	CHRY 15 %
88	A54285	<u>FLASHING CEMENT</u> Heterogeneous, Black, Fibrous, Tightly Bound CHRY 15 % TAR 85 % CELL <1 %	CHRY 15 %
89	A54286	<u>FLASHING CEMENT</u> Heterogeneous, Black, Fibrous, Tightly Bound CHRY 15 % TAR 85 % CELL <1 %	CHRY 15 %
90	A54287	<u>FLASHING CEMENT</u> Heterogeneous, Black, Fibrous, Tightly Bound CHRY 15 % TAR 85 % CELL <1 %	CHRY 15 %
91	A54288	<u>FLASHING CEMENT</u> Heterogeneous, Black, Fibrous, Tightly Bound CHRY 15 % TAR 85 % CELL <1 %	CHRY 15 %

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
92	A54289	<u>BUILT UP ROOF</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 65 % CELL <1 % FBGL 35 %	ND
93	A54290	<u>BUILT UP ROOF</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 65 % CELL <1 % FBGL 35 %	ND
94	A54291	<u>BUILT UP ROOF</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 65 % CELL <1 % FBGL 35 %	ND
95	A54292	<u>BUILT UP ROOF</u> Heterogeneous, Brown, Black, Fibrous, Bound TAR 35 % CELL 55 % FBGL <1 %	ND
96	A54293	<u>BUILT UP ROOF</u> Heterogeneous, Brown, Fibrous, Bound TAR <1 % CELL 100 % FBGL <1 %	ND
97	A54294	<u>BUILT UP ROOF</u> Heterogeneous, Brown, Black, Fibrous, Bound TAR 10 % CELL 90 % FBGL <1 %	ND
98	A54295	<u>BUILT UP ROOF</u> Heterogeneous, Brown, Fibrous, Bound TAR <1 % CELL 100 % FBGL <1 %	ND
99	A54296	<u>BUILT UP ROOF</u> Heterogeneous, Brown, Black, Fibrous, Bound TAR 10 % CELL 90 % FBGL <1 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
100	A54297	<u>BUILT UP ROOF</u> Heterogeneous, Brown, Fibrous, Bound TAR <1 % CELL 100 % FBGL <1 %	ND
101	A54298	<u>BUILT UP ROOF</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 65 % CELL <1 % FBGL 35 %	ND
102	A54299	<u>BUILT UP ROOF</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 65 % CELL <1 % FBGL 35 %	ND
103	A54300	<u>BUILT UP ROOF</u> Heterogeneous, Black, Fibrous, Tightly Bound TAR 65 % CELL <1 % FBGL 35 %	ND
104	A54301	<u>BUILT UP ROOF</u> Heterogeneous, Black, Brown, Fibrous, Tightly Bound TAR 25 % CELL 75 %	ND
105	A54302	<u>BUILT UP ROOF</u> Heterogeneous, Brown, Fibrous, Bound TAR <1 % CELL 100 % FBGL <1 %	ND
106	A54303	<u>BUILT UP ROOF</u> Heterogeneous, Brown, Fibrous, Bound TAR <1 % CELL 100 % FBGL <1 %	ND
107	A54304	<u>BUILT UP ROOF</u> Heterogeneous, Brown, Fibrous, Bound TAR <1 % CELL 100 % FBGL <1 %	ND

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 Lab Code: A01-4424

CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
108	A54305	<u>BUILT UP ROOF</u> Heterogeneous, Brown, Fibrous, Bound TAR <1 %	ND CELL 100 % FBGL <1 %
109	A54306	<u>BUILT UP ROOF</u> Heterogeneous, Brown, Fibrous, Bound TAR <1 %	ND CELL 100 % FBGL <1 %
110	A54307	<u>BURNER GASKET</u> Heterogeneous, Tan, Fibrous, Loose	ND CELL <1 % FBGL 100 %
111	A54308	<u>BURNER GASKET</u> Heterogeneous, Tan, Fibrous, Loose	ND CELL <1 % FBGL 100 %
112	A54309	<u>BURNER GASKET</u> Heterogeneous, Tan, Fibrous, Loose	ND CELL <1 % FBGL 100 %
113	A54310	<u>BURNER PLATE GASKET</u> Heterogeneous, Grey, Fibrous, Loose DEBR 2 %	ND CELL <1 % FBGL 98 %
114	A54311	<u>BURNER PLATE GASKET</u> Homogeneous, Grey, Fibrous, Loose	ND FBGL 100 %
115	A54312	<u>BURNER PLATE GASKET</u> Homogeneous, Grey, Fibrous, Loose	ND FBGL 100 %

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	ASBESTOS
116	A54313	<u>INSPECTION PORT GASKET</u> Heterogeneous, Grey, Tan, Fibrous, Loose DEBR <1 % FBGL 100 %	ND
117	A54314	<u>INSPECTION PORT GASKET</u> Heterogeneous, Grey, Tan, Fibrous, Loose DEBR <1 % FBGL 100 %	ND
118	A54315	<u>INSPECTION PORT GASKET</u> Heterogeneous, Grey, Tan, Fibrous, Loose DEBR <1 % FBGL 100 %	ND
119	A54316	<u>INSPECTION PORT WINDOW GASKET</u> Heterogeneous, White, Tan, Fibrous, Loose DEBR <1 % CERWL 100 %	ND
120	A54317	<u>INSPECTION PORT WINDOW GASKET</u> Heterogeneous, White, Tan, Fibrous, Loose DEBR 2 % CERWL 98 %	ND
121	A54318	<u>INSPECTION PORT WINDOW GASKET</u> Heterogeneous, White, Tan, Fibrous, Loose DEBR 2 % CERWL 98 %	ND
122	A54319	<u>INSPECTION PORT GASKET</u> Heterogeneous, Grey, Tan, Fibrous, Loose DEBR 2 % CELL <1 % FBGL 98 %	ND
123	A54320	<u>INSPECTION PORT GASKET</u> Heterogeneous, Grey, Tan, Fibrous, Loose DEBR 2 % CELL <1 % FBGL 98 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
124	A54321	<u>INSPECTION PORT GASKET</u> Heterogeneous, Grey, Tan, Fibrous, Loose DEBR 2 % CELL <1 % FBGL 98 %	ND
125	A54322	<u>INSPECTION PORT WINDOW GASKET</u> Heterogeneous, Grey, Tan, Fibrous, Loose DEBR 4 % CELL <1 % CERWL 96 %	ND
126	A54323	<u>INSPECTION PORT WINDOW GASKET</u> Heterogeneous, Grey, Tan, Fibrous, Loose DEBR 5 % CELL 2 % CERWL 93 %	ND
127	A54324	<u>INSPECTION PORT WINDOW GASKET</u> Heterogeneous, Grey, Tan, Fibrous, Loose DEBR 2 % CELL <1 % CERWL 98 %	ND
128	A54325	<u>BOILER RIB GASKET</u> Heterogeneous, White, Fibrous, Loose DEBR <1 % FBGL 100 %	ND
129	A54326	<u>BOILER RIB GASKET</u> Heterogeneous, White, Fibrous, Loose DEBR <1 % FBGL 100 %	ND
130	A54327	<u>BOILER RIB GASKET</u> Heterogeneous, White, Fibrous, Loose FBGL 100 %	ND
131	A54328	<u>CLEANOUT GASKET</u> Heterogeneous, White, Fibrous, Loose DEBR 2 % CERWL 98 %	ND

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CLIENT ID	CEI LAB ID	SAMPLE DESCRIPTION	% ASBESTOS
132	A54329	<u>CLEANOUT GASKET</u> Heterogeneous, White, Fibrous, Loose DEBR 2 % CERWL 98 %	ND
133	A54330	<u>CLEANOUT GASKET</u> Heterogeneous, White, Fibrous, Loose DEBR <1 % CERWL 100 %	ND
134	A54331	<u>BOILER EXHAUST GASKET</u> Heterogeneous, Grey, Fibrous, Loose DEBR <1 % FBGL 100 %	ND
135	A54332	<u>BOILER EXHAUST GASKET</u> Heterogeneous, Grey, Fibrous, Loose DEBR <1 % FBGL 100 %	ND
136	A54333	<u>BOILER EXHAUST GASKET</u> Heterogeneous, Grey, Fibrous, Loose DEBR <1 % FBGL 100 %	ND

The following definitions apply to the abbreviations used in the ASBESTOS BULK ANALYSIS REPORT:

CHRY = Chrysotile	CELL = Cellulose	DEBR = Debris
AMOS = Amosite	FBGL = Fibrous Glass	BIND = Binder
CROC = Crocidolite	ORGN = Organics	SIL = Silicates
TREM = Tremolite	SYNT = Synthetics	GRAV = Gravel
ANTH = Anthophyllite	WOLL = Wollastonite	MAST = Mastic
ACTN = Actinolite	CERWL = Ceramic Wool	PLAS = Plaster
ND = None Detected	NTREM = Non-Asbestiform Tremolite	PERL = Perlite
NANTH = Non-Asbestiform Anthophyllite		RUBR = Rubber

CLIENT: Enviromed Services, Inc.

PROJECT: DOT / Southington # 81-369
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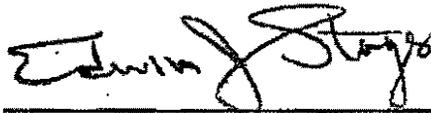
CEI LAB CODE: A01-4424

Stereoscopic microscopy and polarized light microscopy coupled with dispersion staining is the analytical technique used for sample identification. The percentage of each component is visually estimated by volume. These results pertain only to the samples analyzed. The samples were analyzed as submitted by the client and may not be representative of the larger material in question. Unless notified in writing to return samples, Carolina Environmental, Inc. will discard all bulk samples after 30 days.

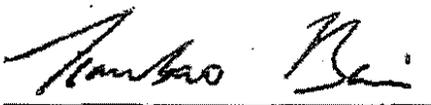
Many vinyl floor tiles have been manufactured using greater than 1% asbestos. Often the asbestos was milled to a fiber size below the detection limit of polarized light microscopy. Therefore, a "None Detected" (ND) reading on vinyl floor tile does not necessarily exclude the presence of asbestos. Transmission electron microscopy provides a more conclusive form of analysis for vinyl floor tiles.

It is certified by the signature below that Carolina Environmental, Inc. is accredited by the National Voluntary Accreditation Program (NVLAP) for the analysis of asbestos in bulk materials. The accredited test method is EPA / 600 / M4-82 / 020 for the analysis of asbestos in building materials. Procedures described in EPA / 600 / R-93 / 116 have been incorporated where applicable. The detection limit for the method is 0.1% (trace amount). Carolina Environmental, Inc.'s NVLAP accreditation number is #101768-0. This report is not to be used to claim product endorsement by NVLAP or any agency of the U. S. Government. This report and its contents are only valid when reproduced in full. Dust and soil analyses for asbestos using PLM are not covered under NVLAP accreditation.

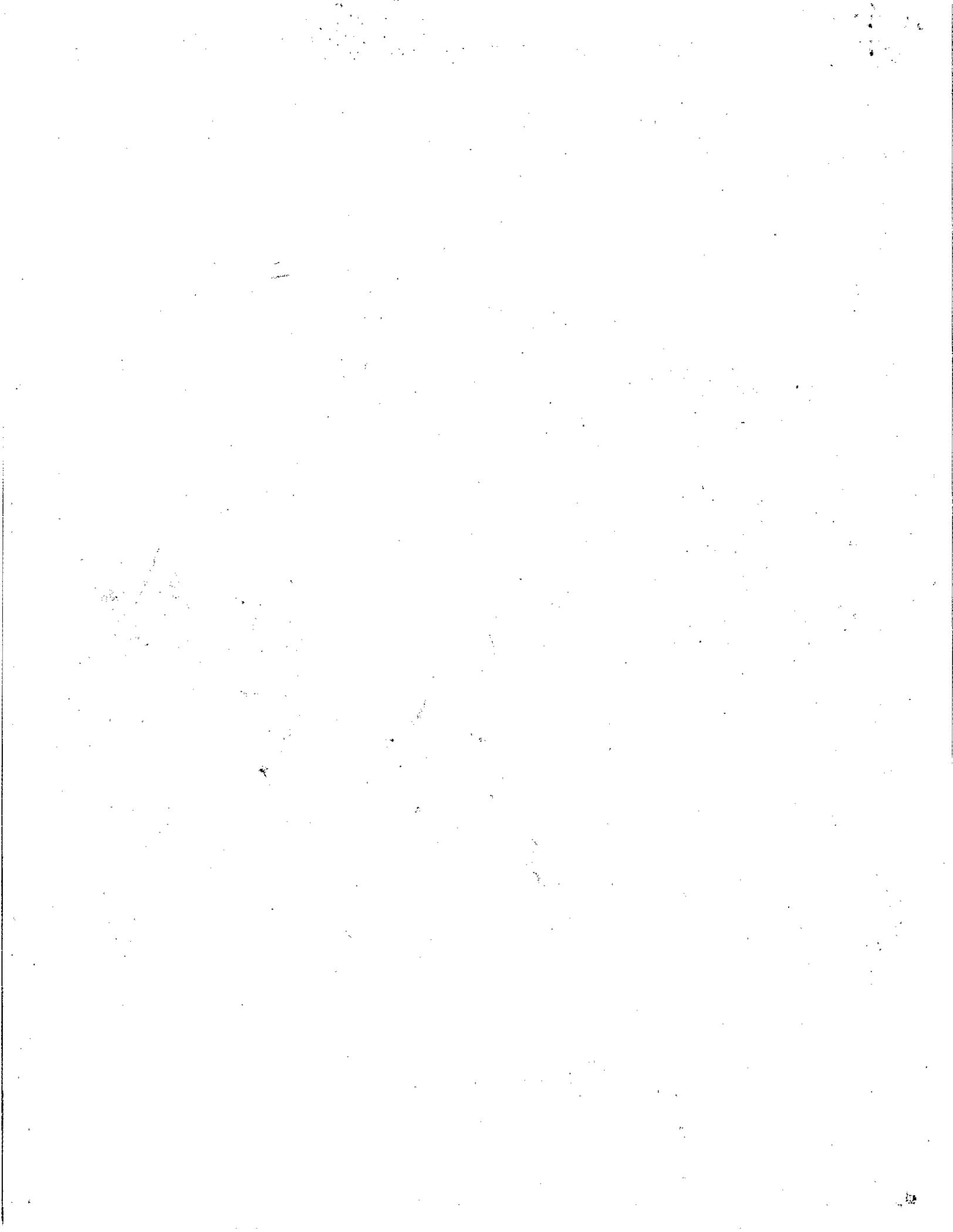
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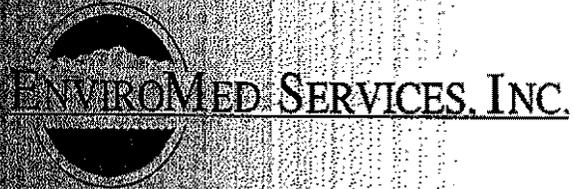
REVIEWED BY



Tianbao Bai, Ph.D.
Laboratory Director



2-Safety
2-R2



Lead Inspection Report

for

**Department of Transportation
Building #81-369
Southington Garage**

Southington, Connecticut

Client Project #: 581269

prepared for:

**State of Connecticut
Department of Transportation
Hartford, Connecticut 06106**

August 7, 2001

EnviroMed Project #: IH-01-604

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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 August 7, 2001 EnviroMed Services, Inc. performed a lead inspection using a direct read spectrum analyzer for the State of Connecticut Department of Transportation, at Building # 81-369 Southington Garage located in Southington, 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

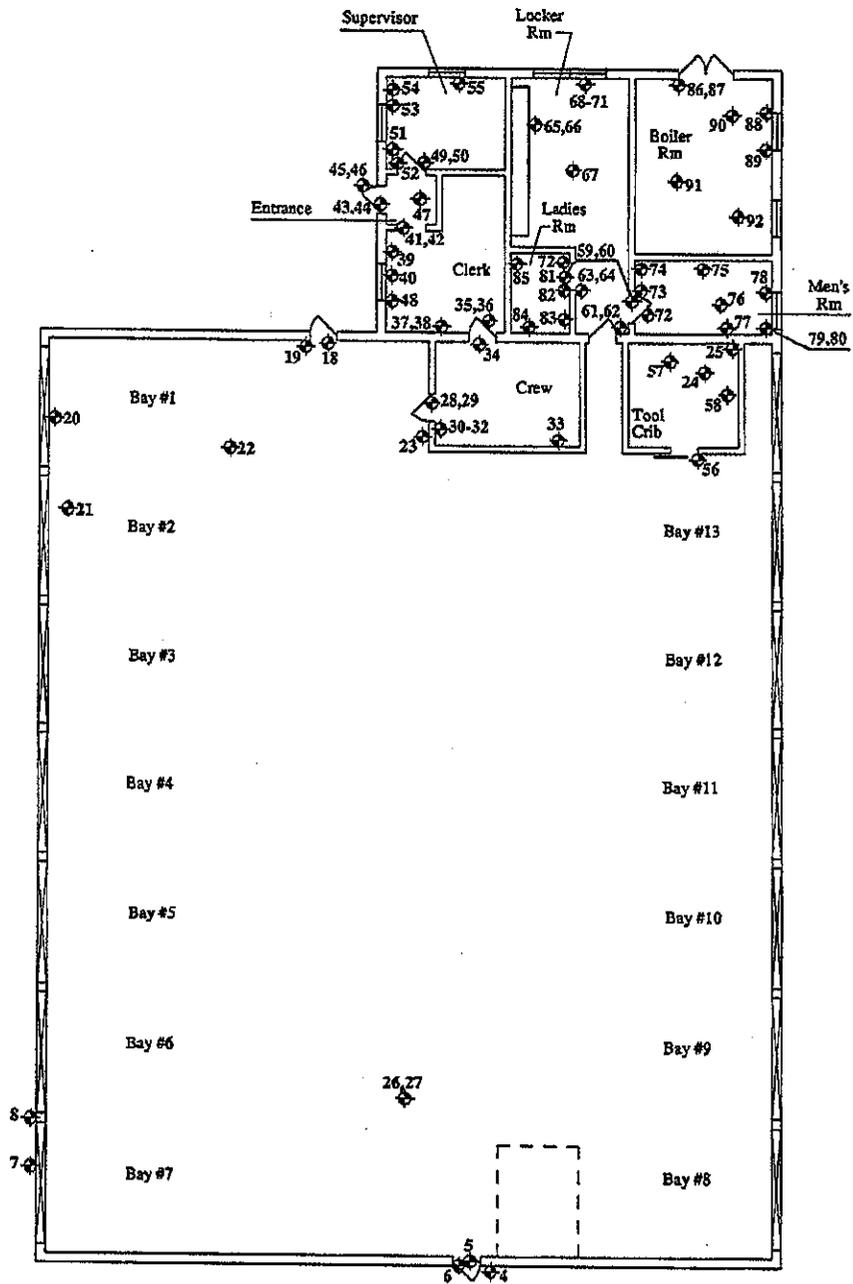
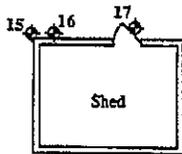
XRF analysis was performed utilizing the Niton - XL 309 Spectrum Analyzer. Lead containing paint was found on building components. Please refer to the XRF Data Sheets for a list of all XRF results and the Sample Location Diagram for all sample locations. Toxic levels of lead were found on building components. 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

Summary of Toxic Level (≥ 1.0 mg/cm ²) Results			
Sample Number	Sample Location (mg/cm ²)	Component (s) Tested	Results
10	Fuel Island	curb	1.4
12	Fuel Island	yellow pump	1.8
56	Tool Crib	door	9.1
57	Tool Crib	white floor stripe	7.4

IV. SAMPLE LOCATION DIAGRAMS



Legend :

◆ = Sample Number & Location



Drawing Title:		Lead Sample Location Diagram	
Prepared by:	EnviroMed Services, Inc. 25 Science Park, New Haven, CT 06511	Date:	7/06,07/01
Project:	DOT Maintenance Garage Bldg # 81-369 Floor Plan Southington, Connecticut	Scale:	N.T.S.
Prepared for:	State of Connecticut Department of Transportation Newington, Connecticut	Drawn By:	DER
EMS #	IR-01-604	Approved By:	T.B.
		Drawing No.	1 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
Substrate Type**

W - Wood

Pl - Plaster

M - Metal

Br - Brick

C - Concrete

Sh - Sheetrock/Drywall

**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.

VI. XRF DATA SHEETS

PROJECT NAME: DOT Garage, Southampton
 UNIT NUMBER: - Bldg 81-369
 ROOM NAME: -

NO. DOORS: -
 NO. WINDOWS: -
 ROOM NUMBER: -

8-7-01

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
1	1.0	Test 1.0			Pos
2	1.7	Test 1.5			Pos
3	3.5	Test 3.5			Pos
4	0.01	Ex. WL	Concrete	Tan	
5	0.04	Ex. DC	Metal	Gray	
6	0.05	Ex. Dr.	Metal	Bron	
7	0.02	Ex. Garage Dr	Metal	Bron	
8	0.02	Ex. Column	Metal	Brown	
9	0.5	Post	Conc.	Yellow	
10	1.4	Curb	Conc. Conc	Yellow	Pos
11	0.04	Pump Gray		gray	
12	1.8	Pump Yellow		yellow	Pos
13	0.03	Pump Black		Black	
14	0.03	Light Pole		Brown	
15	0.04	Trim		Dark Green	
16	0.4	Shing.		Green	
17	0.1	DR			

P. 1

PROJECT NAME: DOT Garage Southampton
 UNIT NUMBER: Bldg 81-369
 ROOM NAME: _____

NO. DOORS: _____
 NO. WINDOWS: _____
 ROOM NUMBER: _____

9-7-01

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
18	0.05	DR	Metal	Brown	Drain
19	0.02	DC	Metal	Brown	
20	0.2	Boy Door	Metal	white	
21	0.17	Floor Strip	Conc.	yellow	
22	0.06	Column	Metal Metal	gray	
23	0.00	Wall ^{of} col _{stn.}	wood	gray	
24	0.00	Ceiling ^{Eng} _{struts.}	Metal	white	
25	0.1	Compressed Air Pipe	Metal	Black	
26	0.01	Z-Beam	Metal	white	
27	0.06	Pipe for Roof Drain	Metal	Black	
28	0.00	DR	wood	Brown	
29	0.02	DC	wood	Brown	
30	0.00	UWL	white, Sheetrock		
31	0.00	LWL	White, Sheetrock		
32	0.00	Chair Rail	Brown, wood		
33	0.00	Radiator	Brown, Metal		
34	0.00	FL	Tile	No Print	

PROJECT NAME: DOT Garage, Southington
 UNIT NUMBER: Bldg B1-369
 ROOM NAME: _____

NO. DOORS: _____
 NO. WINDOWS: _____
 ROOM NUMBER: _____

8-7-01

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
35	0.03	DR	Metal	Brown	Brown
36	0.02	DC	Metal	Brown	Brown
37	0.08	WL	Conc	White	
38	0.14	BB	Rubber	Brown	
39	0.01	Elec Panel	Wood	Black	
40	0.05	DC WC	Metal	Brown	
41	0.00	DC	Wood	Brown	
42	0.00	DT	Wood	Brown	
43	0.09	DR	Metal	Brown	
44	0.03	DC	Metal	Brown	
45	0.09	WL	concr white	white	
46	0.00	BB	Wood	white Brown	
47	0.00	FL	Tile	Unpainted	
48	0.03	Elec Conduit	Metal	White	
49	DR 0.01	DR	Metal	Brown	
50	0.00	DC	Wood	Brown	
51	0.00	WL	Conc	White	

PROJECT NAME: DOT Garage, Southling Ln
 UNIT NUMBER: 81-369
 ROOM NAME: _____

NO. DOORS: _____
 NO. WINDOWS: _____
 ROOM NUMBER: _____

8-7-01

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
52	0.1	WL	Sheetrock	White	
53	0.2	WC	Metal	Brown	
54	0.01	Rad.	Metal	Tan	
55	0.1	WPA	Metal	Brown	
56	9.1	D.R.	Wood	Yellow	Pos. +
57	7.4	White Floor Stripe	Conc.	White	Pos. +
58	0.02	Mk's Shelf	Wood	Tan	
59	0.04	DR	Metal	Brown	
60	0.0	DC	Metal	Brown	
61	0.00	nwl	Conc	White	
62	0.01	lwl	Conc.	Brown/Tan	
63	0.00	nwl	Sheetrock	White	
64	0.00	nwl	Sheet	Brown	
65	0.01	BB	Rubber	Brown	
66	0.00	Locker	Metal	Green	
67	0.00	FL	Tile	Unpainted	
68	0.10	WC	Metal	Brown	

PROJECT NAME: DOT Garage, Southington
 UNIT NUMBER: 01-369
 ROOM NAME: 8-7-01

NO. DOORS: _____
 NO. WINDOWS: _____
 ROOM NUMBER: _____

SAMPLE NUMBER	RESULTS (Mg/cm ²)	SURFACE TYPE	SUBSTRATE	CONDITION	COMMENT
69	0.01	WM.	Metal	Brown	
70	0.2	Lintel	Metal	Tan	
71	0.1	Rail	Metal	Tan	
72	0.3	DR	Metal	Brown	
73	0.02	DC	Metal	Brown	
74	0.04	w/c	Conc	Green	
75	0.04	Wall	Metal	Gray	
76	0.01	FL	Tile	Unpainted	
77	0.03	RAD	Metal	Brown	
78	0.14	w/c	Metal	Brown	
79	0.05	WM	Metal	Brown	
80	0.05	Lintel	Metal	Brown	
81	0.00	DR	Metal	Brown	
82	0.04	DC	Metal	Brown	
83	0.04	Wall	Conc.	White	
84	0.00	Wall	Stucco	White	
85	0.03	Rail	Metal	White	

APPENDIX L
RELATED CORRESPONDENCE

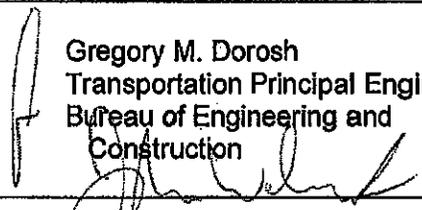
STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION

MEMORANDUM

subject: Project No. 131-0205
Lead, Asbestos, and Soil Investigations
Maintenance Facility
Southington

date: October 15, 2015

to: Mr. Christopher J. Bonsignore
Transportation Principal Engineer
Bureau of Engineering and
Construction

from: 
Gregory M. Dorosh
Transportation Principal Engineer
Bureau of Engineering and
Construction

The following documents are attached for your use in preparing reports, plans, special provisions, and estimates for lead, asbestos, hazardous materials, soil, and groundwater for the subject project.

1. Site Plans depicting design elements, demolition, and excavation.
2. Floor Plan
3. Scope of Work

For your information, EnviroMed Services Asbestos and Lead Inspection Reports exist in Property and Facilities Services files.

The FDP for the project is July 2016 although it would be desirable to receive the reports in January 2016 when the Design Development submission is due.

PE efforts for this project will be under the above noted project number.

Should you have any questions or need any additional information, please contact the Project Engineer, Mr. Michael Strong, at Extension 3306.

Attachments

Michael J. Strong 

cc: James A. Fallon
Gregory M. Dorosh – John W. Waleszczyk – Michael J. Strong
David A. Hartley
Svetlana Kaminsky – Malissa Carvalho

x:\131_0205_2007\Facilities\all_other_data\Correspondence\1-DESIGN0-10%\Environmental Compliance Investigations.doc

SCOPE FOR SOUTHLINGTON MAINTENANCE FACILITY RENOVATION

Project No. 131-205

As of 10/07/15

GENERAL:

The September 2015 "Major Capital Program Design Manual" is hereby made a part of this scope.

CONSTRUCTION PHASING: Personnel office trailers, a restroom trailer, and storage containers will be provided for Maintenance to vacate the existing building during construction.

EMPLOYEE AND VEHICLE COUNT (spreadsheets from Staff Maintenance):

1. Crews assigned to this facility: Maintenance.
2. Employees: (21) [(0) female]; optimal (23); plus (24) winter.
3. Plow Trucks: (11) 6 wheel, (2) 10 wheel, (1) 40 ft triaxle.
4. Other Equipment requiring a single parking space: (9) vehicles including tractor/low boy trailer, payloader, inmate pickup truck, trailer, compressor trailer.
5. Adequate Office Space: No.
6. Adequate Break Room Space: No, in Bays.
7. Adequate Rest Break Area: No, in Bays.
8. Wash Bay Restrictions: Cannot accommodate a 10 wheel plow truck.
9. Is there sufficient bay area space for the assigned equipment? Will there be a bay area addition? Need winter space for (13) plow trucks and a payloader. Of the 14 existing bays, 12 are usable (1 is used for office/storage).

RENOVATED BUILDING:

Preliminary Plan: Construct an addition (Office and 2 Wash Bays) near the fuel island and fully renovate the building. Refer to Preliminary Design Floor Plan dated 10/07/15.

OFFICE AREA: Construct a new office area consisting of the following:

1. Supervisor Office, 1 person, include closet with shelves; located between Clerk's Office and Crew Leader Office
2. Clerk's Office, 1 person; match #1, located next to the Vestibule
3. Crew Leaders Office, 2 people
4. Break Room
5. Conference Room
7. Men's Room and Locker Room
9. Women's Room
10. Janitor's Closet
11. Halls and Vestibules
12. Mechanical Room, Sprinkler Room, Electrical Rooms, Communications Room

MEMO ONLY

MAINTENANCE BAYS:

1. Are tool cribs required for each crew? Yes. If yes, occupants need to provide the following:
 - a. Size and Location?
Tentative locations shown. Existing are 14'x14' and 12'x12'.
 - b. Shelving storage system required? Yes
If yes, occupants need to provide the basis-of-design components. Will be provided prior to Design Development Phase.
2. Are separate oxygen and acetylene bulk storage areas required? If yes, occupants need to provide locations. Yes, 3-ft by 5-ft with double gate.
3. Where will the bulk liquid storage area be located? Do the occupants prefer using the existing aboveground secondary containment basins or do they prefer the in-slab system? If in-slab, how many equivalent 55 gallon drums should it be sized for? Existing aboveground secondary containment basins preferred.
4. Is a flammable storage cabinet required? If yes, occupants need to provide locations and the basis-of-design information. No unless required by code.
5. Will there be any occupant provided workbenches? Yes If yes, where will they be located (so task lighting can be provided above)? Along tool crib near wash fountain.
6. Is there a need for any specialty electrical receptacles (220V, etc.)? (1) Weld receptacle in bay by Tool Crib and Locker Room.

BUILDING IMPROVEMENTS:

Building improvements shall bring the facility into compliance with the applicable portions of the "Major Capital Program Design Manual." Structural Engineers have tentatively concurred that a 10-foot high opening can be made in the existing exterior wall.

The Wash Bay addition will have a 19'-9" clear height while the remaining additions will match the existing Bay Area roof elevation.

The following improvements will be made to the existing building:

1. Demolition as required. Develop a list of materials to salvage with the owner and the occupants. Salvage the new standby generator that is scheduled for installation in 2015. Demolish resting trailer.
2. Replace the following exterior envelope systems: roof, personnel doors, and overhead doors.
3. Repair and paint the existing exterior walls to match additions. If there are any, remove exterior wall hydrants.
4. Existing bay area drain pipes are 4-inch diameter. They are adequate except under Wash Bay conditions, so they can remain.
5. Locate the unit heaters to minimize the likelihood of impacts with vehicles.
6. Replace salt shed lighting if necessary for new electrical service.
7. If not done so already, tie the sewer pump station into the standby generator.
8. Sawcut intermediate wall out of the salt shed.

SITE IMPROVEMENTS:

Refer to Preliminary Design Site Plan dated 10/05/15.

Site improvements shall bring the facility into compliance with the applicable portions of the "Major Capital Program Design Manual." It is the intent to perform the minimum amount of site improvements necessary for the project. The following site improvements will be made:

1. Include parking spaces for employees, plus visitors, plus handicap parking in front of the office area.
2. Reconfigure parking area, driveway, and lawn area to accommodate building addition.
3. New fencing with no gates will be installed at the existing storage area.
4. The existing perimeter site fencing shall remain? Existing site gate, fence entire site and include (2) snow gates. Where depicted, they match the locations where Maintenance stacks snow. Snow gates shall be a minimum of 20 feet wide.
5. Modifications/improvements to site drainage if required. There have been no recent neighbor complaints or concerns identified.
6. Construct retaining wall if required to support new motor fuel island and the sand storage area below. Existing driveway in this area not required.
7. Paving (mill and overlay or full depth) the entire site:
 - Membrane is popping through the salt shed operational area. Full depth replacement required.
 - Pavement is sagging inside the salt shed.
 - Pave Mulberry Street right of way curb to curb.
 - Pave storage yard today since it is only millings.
8. Modifications/improvements to site lighting if required.
9. Tanks: Motor fuel island will be replaced ahead of the 2020 expiration date. Per Janice Snyder on 9/22/15, the AST's will be 6,000 gallons for unleaded gasoline and 8,000 gallons for diesel fuel. Heating oil tank will be removed ahead of the 2020 expiration date since natural gas is available on Mulberry Street. Oil-water separator will be replaced ahead of the 2024 expiration date.
10. Block heater receptacles required? Existing locations identified, install (2) new on Wash Bay addition.
11. Base radio? None required.
12. Flagpole? New, install in grass in front of office area.
13. Is the site lighting (site, lower yard, storage yard) sufficient? Design to evaluate.
14. Utilities:
 - a. Natural Gas: Available or Not Available? Available; Existing or New? New
 - b. Public Water Supply: Talked to AI at Southington Water [(860)628-5593], 8/31/15:
 - Existing service is 2" domestic.
 - For domestic and fire service, he suggested tapping an 8" into Mulberry Street 8" to feed the site, splitting on site to the required fire and domestic services. A hydrant could be installed. This would also require capping the

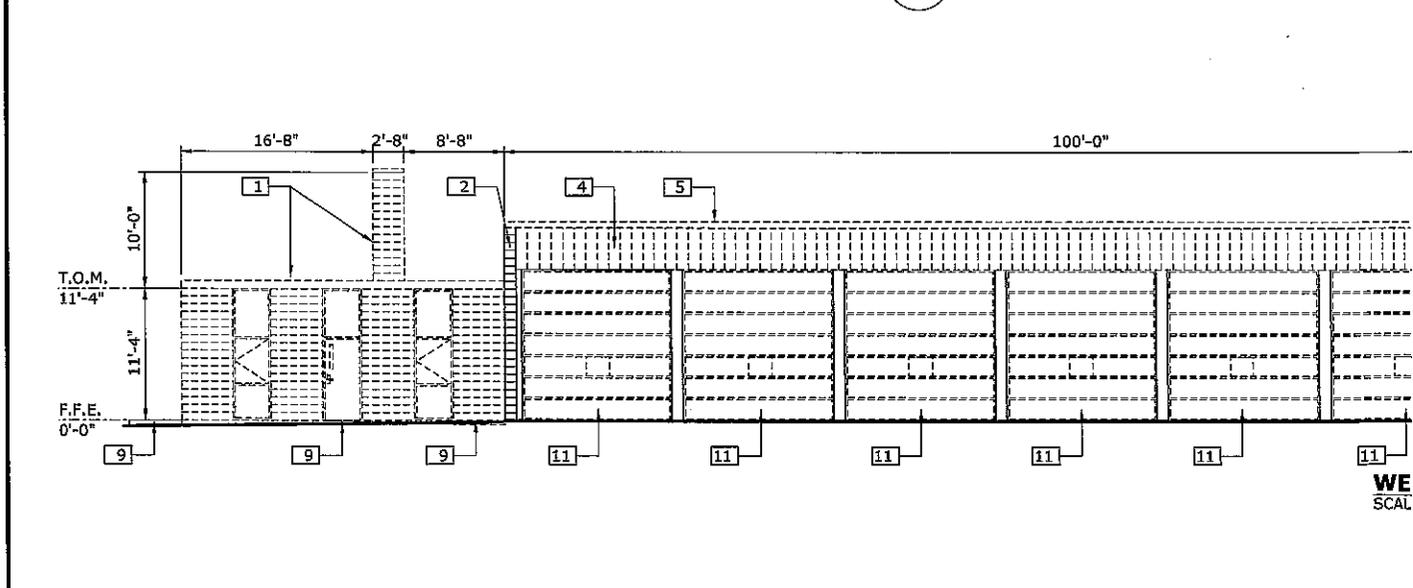
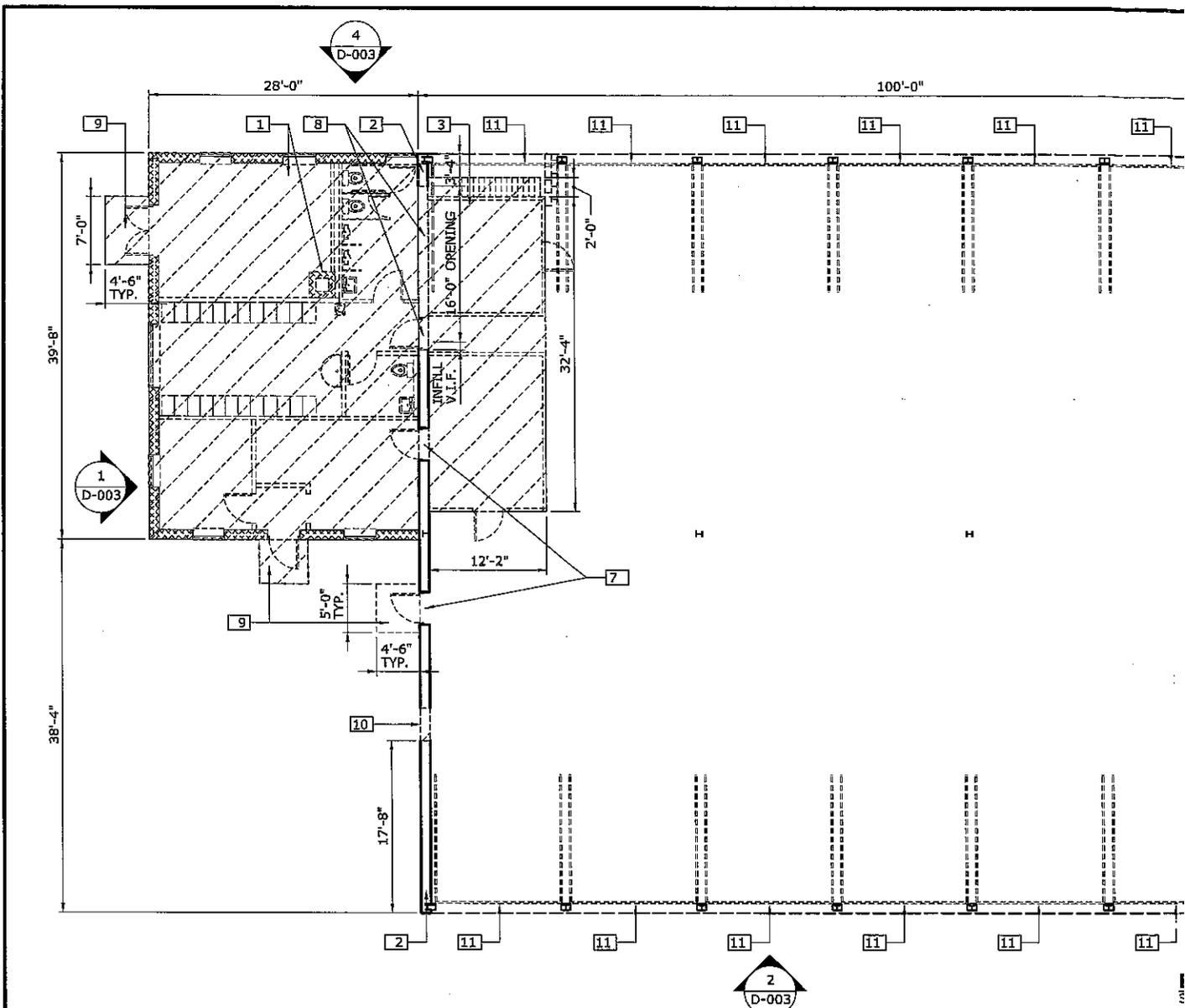
existing service at Mulberry Street. Old hydrant data on Mulberry Street noted 96 psi static pressure.

- c. Public Sewer System: Existing, with sewer pump station on access road.
On-site sewer work will be required to accommodate the building addition. Contract shall require Contractor to flush sewer line with water prior to system shut down during construction.
 - Replace the grinder pumps and control systems.
- d. Power: Existing or New? New
- e. Communications: Existing or New? New?
- f. Cable TV: Existing or New? New?

ENVIRONMENTAL:

Environmental Compliance investigations for soil and groundwater, asbestos and lead, and other hazards will be performed.

\\Scope - Southington Renovation.doc



REV.	DATE	REVISION DESCRIPTION	SHEET NO.

THE INFORMATION, INCLUDING ESTIMATED QUANTITIES OF WORK, SHOWN ON THESE SHEETS IS BASED ON LIMITED INVESTIGATIONS BY THE STATE AND IS IN NO WAY WARRANTED TO INDICATE THE CONDITIONS OF ACTUAL QUANTITIES OF WORK WHICH WILL BE REQUIRED.

Plotted Date: 1/14/2016

DESIGNER/DRAFTER: **SMS**
 CHECKED BY: -
 SCALE AS NOTED



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORT

WE
 SCAL

Filename: ...VPD_MSH.DMO.0131.0205.D003 (Architectural).dgn

Rocky Hill Sign Shop - CT15 SB - left onto CT160 - right onto CT3 - behind District I office on right after crossing over I91 - 1107 Cromwell Ave.

Simsbury Maint - CT15 NB to I91 NB exit 37 - left onto CT305 - right on CT187 continue on CT189 - left on CT315 - right on US202 - garage is on left - 1549 Hopmeadow Street

Southbury Maint, Elect - CT15 SB to I691 WB to I84 WB exit 15 - right off exit - left onto Main St - right onto SR492 - garage on left at end of street

Southington Maint - CT15 NB to I84 WB exit 29 - left onto CT66 - take a right onto Mulberry St. - 476 Mulberry St.

Stratford Maint - CT15 SB exit for Milford Connector to I95 SB exit 30 - garage is at corner of Lordship Blvd & Surf Ave. facing bottom of ramp

Stratford Region 3 P&F - CT15 SB exit 53 - left onto CT110 - left onto Ryders Lane

Thomaston District IV - CT15 SB to I691 WB to I84 WB to CT8 NB exit 38 - left at the end of the ramp - office is on right +/- 1 mile - 359 South Main St. (US6)

Thomaston Maint - CT72 WB to US6 WB - left onto Prospect St - garage is 2/10 mile on right

Torrington Bridge, Signs & mkg's - CT9 to CT72 WB to US6 WB to CT8 NB exit 43 - continue on East Albert - left onto Oak St. - left onto Fowler Ave - garage is on right - 80 Fowler Avenue

Tylerville Maint - see Haddam

Union Maint - CT15 NB to I84 EB exit 73 - right onto CT190 - 829 Buckley Highway

Vernon Maint - CT15 NB to I84 EB exit 64/65 - continue on CT30 - Right onto Dobson - left onto Campbell - garage is on left - 37 Campbell Ave.

Wallingford Maint - CT15 SB to I91 SB exit 13 - right onto SR702 (Wharton Brook Connector) - garage is +/- 1/4 mile on right

Waterbury Maint, Repair, Stores - CT15 SB to I691 WB to I84 WB exit 20 to CT8 NB exit 36 - right onto Huntingdon Ave - left onto Chase River Rd. - garage is on right - 100 Chase River Rd.

Waterbury/Oxford Airport - see Oxford

Waterford Maint - CT15 NB to CT2 EB to CT11 - left at end of expressway onto CT82 - right onto CT85 - left onto Industrial Drive - garage is on left - 20 Industrial Dr

Westbrook Maint - CT15 SB to CT9 SB to I95 SB exit 64 - right onto CT145 - garage is on left - 201 Horsehill Road

Westport Maint - CT15 SB to I91 SB to I95 SB to Sherwood Island Connector - right onto US1 - garage is on right - 900 Post Road East