



K-TECH ENVIRONMENTAL CONSULTANTS, INC.

Ms. Pam Burnett
RACER Trust
2930 Ecorse Road
Ypsilanti, Michigan 48198

August 14, 2012
Project #1207-4110

RE: Survey for Asbestos Containing Materials
Former GM-Fredericksburg Plant
11032 Tidewater Trail
Fredericksburg, VA 22408

Dear Ms. Burnett:

This report presents the results of the Asbestos Containing Materials (ACM) Plant buildings survey performed at the Former GM-Fredericksburg Plant in Fredericksburg, Virginia. Andrew Mayes, License # (3303 002314) and Daniel Goodman, License # (3303 003485), State of Virginia certified asbestos inspectors, performed the asbestos survey on July 25 through August 7, 2012.

We are pleased to have the opportunity to be of service to you. Should you have any questions following your review of this report, or need additional information, please call.

Sincerely,

K-Tech Environmental Consultants, Inc.,

Nick Kobrossi
Vice President

Attachment

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SURVEY FOR ASBESTOS CONTAINING MATERIALS

1.0 INTRODUCTION

K-Tech Environmental Consultants, Inc. was retained by RACER Trust, (Ms. Pam Burnett) to perform an asbestos plant survey at the former GM-Fredericksburg Powertrain Plant in Fredericksburg, Virginia. The inspection services encompassed of both the Main Plant as well as the outbuildings. The main Plant consisted of the administration building, main production area and power house (built in 1970's & 1980's) while the outbuildings consisted of the Cooling Tower-chiller (outbuilding #1), Pump House (outbuilding #2), Filter Building/Fire Pump House (outbuilding #3), Switch House (outbuilding #4), Guard House (outbuilding 35) and Oil Storage (outbuilding #6).

The buildings vary between one to two stories, and are generally of steel frames, masonry walls, concrete floors, and built up roof construction materials. The site inspection was performed on July 25 thru August 7, 2012.

The purpose of the survey was to verify and quantify, to the extent possible, friable and non-friable asbestos containing building materials (ACM). The results of the asbestos study are needed for the planned building demolition/renovation activities in accordance with current EPA 40 CFR Part 61 of the Federal Register, Asbestos National Emission Standards for Hazardous Air Pollutants (NESHAP) revision; final rule effective November 20, 1990. For the purpose of this report and as defined by EPA regulations, a friable material is one which can be crushed, crumbled, pulverized, or reduced to powder by hand pressure when dry.

2.0 SCOPE OF WORK

The scope of work included the following items:

- Surveyed the subject Plant buildings to locate, identify and sample suspected asbestos-containing materials (ACM). It was beyond the scope of this survey to locate, identify, or quantify ACM in concealed and/or inaccessible areas, such as within floors. However, the areas above suspended ceilings were observed and pipe chases and tunnels were checked.



We should note that the electric cables, Electrical Buss Bars, Buss bar separators, Electrical Switches, Electrical Arc chutes, could not be sampled during this survey due to live power. Also, K-Tech environmental recommends that prior to demolition, the subject materials and black gaskets (0-6", >12" pipe sizes) be visually inspected and tested for the presence of suspect ACM.

- Collected bulk samples, from randomly selected areas within the buildings, from building materials suspected of containing asbestos. These samples were submitted to Apex Research Inc., in Whitmore Lake, Michigan, for Laboratory analysis using Polarized Light Microscopy (PLM) EPA Method 600/R-93/116. Apex Research Inc. is accredited National Voluntary Laboratory Accreditation Program (NVLAP) which is overseen by the National Institute for Standards and Technology (NIST).

The results of our survey including a list of homogeneous areas identified as containing asbestos through PLM analysis and known from the previous surveys, approximate quantity of each ACM homogeneous area and laboratory results of bulk samples analyzed are presented in the following sections.

3.0 SURVEY FINDINGS

During the survey, one hundred (102) homogeneous areas (HA) suspected of containing asbestos were identified. For the purpose of this report, a homogeneous area is defined as a building material that appears similar throughout the buildings in terms of color, texture, date of installation and composition. A total of two hundred fifty two (252) bulk samples were collected during this survey. A description of the approximate locations of each bulk sample collected, the type of material sampled, sample numbers and a summary of the PLM test results are included in Appendix A. The following table lists the sample numbers, the HA's, the friability of the material, whether it is friable (F) or non-friable (NF), the category of the material - whether it is surfacing (SM), miscellaneous (M), or thermal system insulation (TSI), and the material description.



TABLE 1 – Suspect ACM In Main Plant, Administration Offices & Powerhouse				
HA#	Sample #	F/NF	Category	Suspect Material
1	1, 2, 3	NF	M	2'x 4' Ceiling tile
2	4, 5, 6	NF	M	2'x 2' Ceiling tile
3	7, 8	NF	M	2'x 4' Ceiling tile
4	9, 10, 11	NF	M	Drywall w/faux wood covering
5	12, 13, 14, 15, 16	NF	M	Drywall
6	17, 18, 19, 20, 21	F	M	Joint compound
7	22, 23, 24	NF	M	White floor tile w/ black mastic
8	25, 26, 27, 28, 29, 30	NF	M	White floor tile w/ light blue specs / 2 nd layer w/ black mastic
9	31, 32	NF	M	Black flooring w/ yellow mastic
10	33, 34	NF	M	Carpet mastic (yellow)
11	35, 36	NF	M	Carpet mastic w/ leveling compound (yellow)
12	37, 38, 39	NF	M	Cove base mastic (yellow)
13	40, 41	NF	M	Ceramic tile w/ glue & grout
14	42, 43	NF	M	Concrete board
15	44, 45	NF	M	Acid table
16	46, 47, 48, 49	NF	M	Gray caulk
17	50, 51	NF	M	HVAC duct mastic (red)
18	52, 53	NF	M	HVAC expansion joint (black)
19	54, 55	NF	M	HVAC duct mastic (red)



TABLE 1 – Suspect ACM In Main Plant, Administration Offices & Powerhouse				
HA#	Sample #	F/NF	Category	Suspect Material
20	56, 57, 58	NF	M	Drywall
21	59, 60, 61	F	M	Joint compound
22	62,63, 64	NF	M	Drywall, Main Plant Modular Offices
23	65, 66, 67	NF	M	2'x 4' Ceiling tile
24	68, 69	NF	M	Carpet mastic (yellow)
25	70, 71	NF	M	2'x 4' Ceiling tile
26	72, 73	NF	M	Drywall
27	74, 75	NF	M	Carpet mastic (yellow)
28	76, 77	NF	M	2'x 2' Ceiling tile
29	78, 79	NF	M	2'x 4' Ceiling tile
30	80, 81	NF	M	Drywall, Cafeteria
31	82, 83	F	M	Joint compound, Cafeteria
32	84, 85	NF	M	Carpet mastic (yellow) w/leveling compound
33	86, 87	NF	M	Brown caulk
34	88, 89, 90	F	TSI	Mud wrap
35	91, 92	NF	M	2'x 2' Ceiling tile
36	93, 94	NF	M	Drywall
37	95, 96	F	M	Joint compound
38	97, 98	NF	M	2'x 4' Ceiling tile



TABLE 1 – Suspect ACM In Main Plant, Administration Offices & Powerhouse				
HA#	Sample #	F/NF	Category	Suspect Material
39	99, 100	NF	M	Black floor tile w/ yellow mastic
40	101, 102	NF	M	Boiler Door Cloth Gasket, Powerhouse
41	103, 104	NF	M	Fire coating, Gray Boilers
42	105A, 105B	NF	M	Concrete fire block, Red Boiler
43	106, 107, 108, 109, 110, 111, 112	NF	M	Asphalt built-up roof core
44	113, 114, 115	NF	M	Asphalt flashing interior w/ silver coating
45	116, 117, 118	NF	M	Asphalt flashing exterior w/ black
46	119, 120, 121	NF	M	Asphalt flashing exterior w/ silver
47	122, 123	NF	M	Roof expansion joint fabric
48	124, 125, 126	NF	M	Asphalt built-up roof core
49	127, 128, 129	NF	M	Asphalt flashing
50	130, 131	NF	M	Roof expansion joint fabric
51	132, 133, 134, 135, 136	NF	M	Asphalt built-up roof core
52	137, 138, 139	NF	M	Asphalt flashing
53	140, 141	NF	M	Asphalt rolled roof core
54	142, 143, 144	NF	M	Asphalt built-up roof core
55	145, 146	NF	M	Asphalt flashing exterior w/ silver coating
56	147, 148	NF	M	Asphalt flashing interior w/ silver coating
57	149, 150	NF	M	Asphalt roof material



TABLE 1 – Suspect ACM In Main Plant, Administration Offices & Powerhouse				
HA#	Sample #	F/NF	Category	Suspect Material
58	151, 152	NF	M	HVAC duct wrap (white)
59	153, 154	NF	M	HVAC duct mastic (gray/white)
60	155, 156	NF	M	2'x 2' Ceiling tile, Powerhouse
61	157, 158	NF	M	Drywall, Powerhouse
62	159, 160	F	M	Joint compound, Powerhouse
63	161, 162	NF	M	Acid table, Powerhouse
64	163, 164	NF	M	Concrete board, Powerhouse
65	165, 166	NF	M	2'x 4' Ceiling tile, UAW Office
66	167, 168	NF	M	Drywall, UAW Office
67	169, 170	F	M	Joint compound, UAW Office
68	171, 172	NF	M	White floor tile w/ beige mastic, UAW Office
69	173, 174	NF	M	Beige floor tile w/ beige mastic, UAW Office
70	175, 176	NF	M	Cove base mastic (black), UAW Office
71	177, 178	NF	M	2'x 4' Ceiling tile
72	179, 180	NF	M	Drywall
73	181, 182	NF	M	Carpet mastic (yellow)
74	183, 184	NF	M	Black floor mastic
75	185, 186	F	TSI	Mudded pipe elbow joints w/ pipe wrap
76	187, 188	NF	M	HVAC expansion joint (black)



TABLE 1 – Suspect ACM In Main Plant, Administration Offices & Powerhouse				
HA#	Sample #	F/NF	Category	Suspect Material
77	189, 190, 191, 192, 193, 194	NF	M	Coated pipe Joint wrap, 0-6” & 6-12”
78	195, 196, 197, 198, 199, 200	F	TSI	Mudded pipe wrap (white & Gray), roof Conductors
79	201, 202	NF	M	Light green gasket, Powerhouse
80	203	NF	M	Black gasket, Powerhouse
81	204, 205	NF	M	HVAC expansion joint (black w/white coating)
82	206, 207, 208	F	TSI	Mudded wrap over fiberglass, Tank
83	209, 210, 211	NF	M	Coated pipe wrap (white), >12” pipes
84	212, 213	F	TSI	Mudded pipe elbow (white), > 12” elbows
85	214, 215, 216, 217, 218, 219	NF	M	Coated pipe wrap (white), 0-12” elbows
86	220, 221, 222	NF	M	Duct joint mastic (yellow/white)
87	223, 224	NF	M	Gray caulk, Administration Offices Exterior
88	225, 226	NF	M	Concrete board overhang siding, Administration Offices
89	227, 228	NF	M	Concrete board overhang ceiling, Administration Offices
90	229, 230	NF	M	Dark gray caulk, Cafeteria
91	231, 232	NF	M	Dark brown caulk
102	Known	NF	M	Fire Doors



TABLE 2 - Suspect ACM in Outbuildings				
HA #	Sample #	F/NF	Category	Suspect Material
92	233, 234, 235	NF	M	Asphalt built-up roof core
93	236, 237, 238	NF	M	Asphalt flashing exterior
94	239, 240	NF	M	Honeycomb paper (brown)
95	241, 242	NF	M	Insulating coating (black/white)
96	243, 244	NF	M	2'x 2' Ceiling tile
97	245, 246	NF	M	Drywall
98	247, 248	F	M	Joint compound
99	249, 250	NF	M	Light gray floor tile w/ black mastic
100	251, 252	NF	M	Gray caulk, Guard House
101	Known	NF	M	Fire Doors

4.0 ACM LOCATION, QUANTITY AND CONDITION

The following tables 3 & 4 are the description of each ACM homogeneous area, approximate (estimated) quantity of each ACM, and the locations of the ACM for Each Area. It should be noted that it was beyond the scope of work of this survey to identify and quantify ACM or suspect ACM concealed within floors of the site buildings.



**TABLE 3 – Approximate ACM Location & Quantity
In Main Plant, Administration Offices & Powerhouse**

HA #	Material Description	Location	Quantity
7	White floor tile & black mastic	Administration Office-throughout North floor/ 1970's	1240 sq. ft.
8	*White floor tile w/blue spec. 2 nd layer & black mastic	Medical Room 129 / North floor/ 1970's	650 sq. ft.
14	Concrete Board	Lab Room 109/ Fume Hood/ 1970's	60 sq. ft.
16	Gray Caulk	Administration Entrance Offices/ interior window frame/ 1970's	450 linear ft.
64	Concrete Board	Main Plant Power House Control Room/ Fume Hood/ 1980's	60 sq. ft.
80	Black Gaskets	Main Plant, Through-out plant, 6-12" Pipes, 1980's	760 Each
86	Duct Joint Mastic (yellow/white)	Main Plant, >12" HVAC Air Duct/ M7/ 1980's	3,200 sq. ft.
87	Gray Window Caulk	Administration Offices exterior window frames	1700 linear ft.
88	Concrete Board Overhang Siding	Administration Office exterior/ Entrance #12 & 15/ 1970's	430 sq. ft.
89	Concrete Board Overhang Ceiling	Administration Office exterior/ Entrance #12 & 15/ 1970's	750 sq. ft.
101	Fire doors	Throughout Plant	28 Each

* Floor tiles in the Medical Area are double layers.

* All Pipes Black Gaskets (0-6") must be treated as positive.



**TABLE 4 – Approximate ACM Location & Quantity
In Outbuildings**

HA #	Material Description	Location	Quantity
94	Honey Comb Materials	Chiller –cooling Tower	1400 sq. ft.
80	Black Gaskets on Pipes	Through-out all outbuildings	280 Each
102	Fire doors	Through-out outbuilding	11 doors

Fire Doors with visible fire rated plates and/or rivets where plates were formerly attached were counted. Destructive sampling was not completed on the doors in the facility. There is the possibility that other doors associated with the facility that are missing identification plates or are fire rated may be located in the facility.

5.0 EVALUATIONS AND OPINIONS

As a result of our asbestos Plant survey, asbestos containing materials (ACM) were identified within the subject building on 12”x12” floor tiles & mastic, honey comb paper materials, transite lab fume hood, duct joint mastic on HVAC, gray window caulk, concrete board/transite, and black gaskets on pipes.

The floor tiles and mastic are considered "Category I" while window caulking, fire doors, transite concrete boards, honey comb paper, gaskets, duct joint mastic are considered "Category II" as defined in 40 CFR Part 61 of the federal register, NESHAP Revision; final rule. In general, these materials were noted to be in good condition, and in their present state are not expected to pose a health hazard to human health or the environment. If these non-friable materials are likely to become friable due to cutting sanding grinding during demolition activities, then removal of these materials prior to demolition should be necessary to prevent possible fiber release to the environment.



SUMMARY OF PLM REPORT

Location: GM-Fredericksburg Powertrain Plant

Date Collected: July 25 thru August 7, 2012

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SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
1	2x4 Ceiling Tile	Admin. Office open area / NW ceiling / 1970's	No
2	2x4 Ceiling Tile	Admin. Office 104 / East ceiling / 1970's	No
3	2x4 Ceiling Tile	Admin. Office open area / SW ceiling/ 1970's	No
4	2x2 Ceiling Tile	Admin. Office 118 / SE ceiling / 1970's	No
5	2x2 Ceiling Tile	Admin. Office 118 / Center ceiling / 1970's	No
6	2x2 Ceiling Tile	Admin. Office 118 / NW ceiling / 1970's	No
7	2x4 Ceiling Tile	2nd Floor Admin. Office 201 / SE ceiling / 1970's	No
8	2x4 Ceiling Tile	2nd Floor Admin. Office 201 / NW ceiling / 1970's	No
9	Drywall w/ faux wood covering	Admin. Office 125 / South wall / 1970's	No
10	Drywall w/ faux wood covering	Admin. Office 105 / North wall / 1970's	No
11	Drywall w/ faux wood covering	Admin. Office 127 / East wall / 1970's	No
12	Drywall	Admin. Office 115 / West wall / 1970's	No
13	Drywall	Lab / North wall / 1970's	No
14	Drywall	Stairwell # 1 / SE wall / 1970's	No
15	Drywall	2nd Floor Admin. Office 200 / South wall / 1970's	No
16	Drywall	2nd Floor Admin. Office 206 / South wall / 1970's	No
17	Joint Compound	Admin. Office 115 / West wall / 1970's	No
18	Joint Compound	Lab Room 109 / North wall / 1970's	No
19	Joint Compound	Stairwell # 1 / SE wall / 1970's	No
20	Joint Compound	2nd Floor Admin. Office 200 / South wall / 1970's	No



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SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
21	Joint Compound	2nd Floor Admin. Office 206 / South wall / 1970's	No
22	White Fl. Tile w/Black Mastic	Admin. Office 120 / North floor / 1970's	Yes
23	White Fl. Tile w/Black Mastic	Admin. Office 120 / North floor / 1970's	Yes
24	White Fl. Tile w/Black Mastic	Admin. Office 118 / NW floor / 1970's	Yes
25	White w/ L. blue spec Fl. Tile w/ yellow mastic	Medical Room 129 / North floor / 1970's	Yes
26	White w/ L. blue spec Fl. Tile w/ yellow mastic	Medical Room 129 / East floor / 1970's	Yes
27	White w/ L. blue spec Fl. Tile w/ yellow mastic	Medical Room 129 / South floor / 1970's	Yes
28	White Fl. Tile 2nd layer w/ black mastic	Medical Room 129 / North floor / 1970's	Yes
29	White Fl. Tile 2nd layer w/ black mastic	Medical Room 129 / East floor / 1970's	Yes
30	White Fl. Tile 2nd layer w/ black mastic	Medical Room 129 / South floor / 1970's	Yes
31	Black Flooring w/ yellow mastic	Stairwell # 1 / North landing / 1970's	No
32	Black Flooring w/ yellow mastic	Stairwell # 1 / South landing / 1970's	No
33	Carpet Mastic (Yellow)	Admin. Office 128 / North floor / 1970's	No
34	Carpet Mastic (Yellow)	Admin. Office 102 / South floor / 1970's	No
35	Carpet Mastic W/ Leveling Compound, Yellow	2nd Floor Admin. Office 206 / Center floor / 1970's	No
36	Carpet Mastic (Yellow)	2nd Floor Admin. Hall # 2 / Center floor / 1970's	No
37	Cove Base Mastic (Yellow)	Admin. Office 122 / West wall / 1970's	No
38	Cove Base Mastic (Yellow)	Admin. Office 118 / North wall / 1970's	No
39	Cove Base Mastic (Yellow)	2nd Floor Admin. Office 201 / East wall / 1970's	No
40	Ceramic Tile W/ Glue & Grout	1st Floor Men's Restroom / North floor / 1970's	No



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SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
41	Ceramic Tile W/ Glue & Grout	1st Floor Women's Restroom / North floor / 1970's	No
42	Concrete Board	Lab Room 109 / Fume Hood / 1970's	Yes
43	Concrete Board	Lab Room 109 / Fume Hood / 1970's	Yes
44	Acid Table	Lab Room 109 / Acid Table / 1970's	No
45	Acid Table	Lab Room 109 / Acid Table / 1970's	No
46	Caulk (Gray)	Admin. Atrium / NW corner / 1970's	No
47	Caulk (Gray)	Admin. Atrium / NE corner / 1970's	No
48	Caulk (Gray)	Admin. Entrance #12 / Interior window frame / 1970's	Yes
49	Caulk (Gray)	Admin. Office 108 / Interior window frame / 1970's	Yes
50	HVAC Duct Mastic (Red)	Admin. Office open area / East ceiling / 1970's	No
51	HVAC Duct Mastic (Red)	Admin. Office open area / West ceiling / 1970's	No
52	HVAC Expansion Joint (Black)	Admin. Office open area / East ceiling / 1970's	No
53	HVAC Expansion Joint (Black)	Admin. Office open area / West ceiling / 1970's	No
54	HVAC Duct Mastic (Red)	Admin. Office 118 / North ceiling / 1970's	No
55	HVAC Duct Mastic (Red)	Admin. Office 118 / North ceiling / 1970's	No
56	Drywall	Main Plant / Middle east wall / 1970's	No
57	Drywall	Main Plant / Left east wall / 1970's	No
58	Drywall	Main Plant / Right east wall / 1970's	No
59	Joint Compound	Main Plant / Middle east wall / 1970's	No
60	Joint Compound	Main Plant / Left east wall / 1970's	No



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SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
61	Joint Compound	Main Plant / Left east wall / 1970's	No
62	Drywall	Main Plant modular office / C10-C11 / East wall / 1970's	No
63	Drywall	Main Plant modular office / C8-C9 / North wall / 1970's	No
64	Drywall	Main Plant modular office / C7-C8 / West wall / 1970's	No
65	2X4 Ceiling Tile	Main Plant modular office / C10-C11 / SE ceiling / 1970's	No
66	2X4 Ceiling Tile	Main Plant modular office / C8-C9 / SE ceiling / 1970's	No
67	2X4 Ceiling Tile	Main Plant modular office / C7-C8 / West Ceiling / 1970's	No
68	Carpet Mastic (Yellow)	Main Plant modular office / C8-C9 / SE Doorway / 1970's	No
69	Carpet Mastic (Yellow)	Main Plant modular office / C8-C9 / NW Doorway / 1970's	No
70	2X4 Ceiling Tile	Main Plant modular office / H8-H9 / NE ceiling / 1980's	No
71	2X4 Ceiling Tile	Main Plant modular office / H8-H9 / SW ceiling / 1980's	No
72	Drywall	Main Plant modular office / H8-H9 / NW wall / 1980's	No
73	Drywall	Main Plant modular office / H8-H9 / SE wall / 1980's	No
74	Carpet Mastic (Yellow)	Main Plant modular office / H8-H9 / SW floor / 1980's	No
75	Carpet Mastic (Yellow)	Main Plant modular office / H8-H9 / SE floor / 1980's	No
76	2X2 Ceiling Tile	Main Plant Men's Restroom / H8-H11 / south ceiling / 1980's	No
77	2X2 Ceiling Tile	Main Plant Women's Restroom / H8-H11 / center ceiling / 1980's	No
78	2X4 Ceiling Tile	Main Plant Cafeteria office / NW ceiling / 1980's	No
79	2X4 Ceiling Tile	Main Plant Cafeteria / NW ceiling / 1980's	No
80	Drywall	Main Plant Cafeteria office / SE wall / 1980's	No



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SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
81	Drywall	Main Plant Cafeteria / NW wall / 1980's	No
82	Joint Compound	Main Plant Cafeteria office / SE wall / 1980's	No
83	Joint Compound	Main Plant Cafeteria / NW wall / 1980's	No
84	Carpet Mastic (Yellow) w/ leveling	Main Plant Cafeteria office / East floor / 1980's	No
85	Carpet Mastic (Yellow) w/ leveling	Main Plant Cafeteria skills room / North floor / 1980's	No
86	Caulk (Brown)	Main Plant Cafeteria / east interior window frame / 1980's	No
87	Caulk (Brown)	Main Plant Cafeteria / west interior window frame / 1980's	No
88	Mud Wrap	Main Plant Mezzanine / Tank / N21-M21 / North side of tank / 1980's	No
89	Mud Wrap	Main Plant Mezzanine / Tank / N21-M21 / East end of tank / 1980's	No
90	Mud Wrap	Main Plant Mezzanine / Tank / N21-M21 / South side of tank / 1980's	No
91	2X2 Ceiling Tile	Main Plant Men's Restroom / N21-M21 / NE ceiling / 1980's	No
92	2X2 Ceiling Tile	Main Plant Women's Restroom / N21-M21 / SE ceiling / 1980's	No
93	Drywall	Main Plant Men's Restroom / N21-M21 / Center ceiling / 1980's	No
94	Drywall	Main Plant Women's Restroom / N21-M21 / Center ceiling / 1980's	No
95	Joint Compound	Main Plant Men's Restroom / N21-M21 / Center ceiling / 1980's	No
96	Joint Compound	Main Plant Women's Restroom / N21-M21 / Center ceiling / 1980's	No
97	2X4 Ceiling Tile	Main Plant modular office / A11-B11 / SE ceiling / 1980's	No
98	2X4 Ceiling Tile	Main Plant modular office / A11-B11 / NW ceiling / 1980's	No
99	Black Fl. Tile w/ Yellow Mastic	Main Plant modular office / A11-B11 / SE floor / 1980's	No
100	Black Fl. Tile w/ Yellow Mastic	Main Plant modular office / A11-B11 / NW floor / 1980's	No



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SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
101	Cloth Gasket	Main Plant Power House / CB21-C21 / Right boiler door / 1980's (gray boiler)	No
102	Cloth Gasket	Main Plant Power House / CB21-C21 / Left boiler door / 1980's (gray boiler)	No
103	Fire Coating	Main Plant Power House / CB21-C21 / Right boiler door / 1980's (gray boiler)	No
104	Fire Coating	Main Plant Power House / CB21-C21 / Left boiler door / 1980's (gray boiler)	No
105 a & b	Concrete Fire Block	Main Plant Power House / B19-C19 / Interior of red boiler / 1980's	No
106	Asphalt Built-Up Roof Core	Main Plant Roof / NW corner of section # 1 roof / 1980's	No
107	Asphalt Built-Up Roof Core	Main Plant Roof / Center of section # 1 roof within repair area / 1980's	No
108	Asphalt Built-Up Roof Core	Main Plant Roof / SE corner of section # 1 roof / 1980's	No
109	Asphalt Built-Up Roof Core	Main Plant Roof / NW corner of section # 2 roof, repair area / 1980's	No
110	Asphalt Built-Up Roof Core	Main Plant Roof / Center of section # 2 roof / 1980's	No
111	Asphalt Built-Up Roof Core	Main Plant Roof / SE corner of section # 2 roof / 1980's	No
112	Asphalt Built-Up Roof Core	Main Plant Roof / NE corner of section # 2 roof, repair area / 1980's	No
113	Asphalt Flashing Interior (w/ silver coating)	Main Plant Roof / West portion section # 2 roof / 1980's	No
114	Asphalt Flashing Interior (w/ silver coating)	Main Plant Roof / Center of section # 2 roof / 1980's	No
115	Asphalt Flashing Interior (w/ silver coating)	Main Plant Roof / NE portion of section # 1 roof / 1980's	No
116	Asphalt Flashing Exterior / Black	Main Plant Roof / South wall of section # 2 roof / 1980's	No
117	Asphalt Flashing Exterior / Black	Main Plant Roof / East wall of section # 2 roof / 1980's	No
118	Asphalt Flashing Exterior / Black	Main Plant Roof / South wall of section # 1 roof / 1980's	No
119	Asphalt Flashing Exterior / Silver	Main Plant Roof / North wall of section # 2 roof / 1980's	No
120	Asphalt Flashing Exterior / Silver	Main Plant Roof / SE corner of section # 1 roof / 1980's	No



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Project No.: 1207-4110

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
121	Asphalt Flashing Exterior / Silver	Main Plant Roof / SE corner of section # 1 roof / 1980's	No
122	Roof Expansion Joint Fabric	Main Plant Roof / Center of section # 1 & 2 roof expansion joint / 1980's	No
123	Roof Expansion Joint Fabric	Main Plant Roof / East of section # 1 & 2 roof expansion joint / 1980's	No
124	Asphalt Built-Up Roof Core	Main Plant lower roof / SE corner of section # 2 roof / 1970's	No
125	Asphalt Built-Up Roof Core	Main Plant lower roof / North center of section # 2 roof / 1970's	No
126	Asphalt Built-Up Roof Core	Main Plant lower roof / NW corner of section # 1 roof / 1970's	No
127	Asphalt Flashing	Main Plant lower roof / Center of section # 1 roof / 1970's	No
128	Asphalt Flashing	Main Plant lower roof / North center of section # 2 roof / 1970's	No
129	Asphalt Flashing	Main Plant lower roof / South portion section # 2 roof / 1970's	No
130	Roof Expansion Joint Fabric	Main Plant lower roof / East of section # 1 & 2 roof expansion joint / 1970's	No
131	Roof Expansion Joint Fabric	Main Plant upper roof / Center of section # 1 & 2 roof expansion joint / 1970's	No
132	Asphalt Built-Up Roof Core	Main Plant upper roof / SW corner of section # 1 roof / 1970's	No
133	Asphalt Built-Up Roof Core	Main Plant upper roof / East center of section # 1 roof / 1970's	No
134	Asphalt Built-Up Roof Core	Main Plant upper roof / NE corner of section # 2 roof / 1970's	No
135	Asphalt Built-Up Roof Core	Main Plant upper roof / SW corner of section # 3 roof, repair area / 1970's	No
136	Asphalt Built-Up Roof Core	Main Plant upper roof / NE corner of section # 3 roof / 1970's	No
137	Asphalt Flashing	Main Plant upper roof / West center of section # 2 roof / 1970's	No
138	Asphalt Flashing	Main Plant upper roof / NE corner of section # 1 roof / 1970's	No
139	Asphalt Flashing	Main Plant upper roof / West center of section # 3 roof / 1970's	No
140	Asphalt Rolled Roof Core	Main Plant upper roof / SW corner of section # 3 secondary roof / 1970's	No



SUMMARY OF PLM REPORT

Location: GM-Fredericksburg Powertrain Plant

Date Collected: July 25 thru August 7, 2012

Project No.: 1207-4110

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
141	Asphalt Rolled Roof Core	Main Plant lower roof / NE corner of section # 3 secondary roof / 1970's	No
142	Asphalt Built-Up Roof Core	Admin. Office building roof / NW corner of section # 1 roof/ 1970's	No
143	Asphalt Built-Up Roof Core	Admin. Office building roof / East center of section # 1 roof / 1970's	No
144	Asphalt Built-Up Roof Core	Admin. Office building roof / SE corner of section # 1 roof / 1970's	No
145	Asphalt Flashing Exterior (w/ silver coating)	Admin. Office building roof / SW corner of section # 2 roof / 1970's	No
146	Asphalt Flashing Exterior (w/ silver coating)	Admin. Office building roof / East center of section # 2 roof / 1970's	No
147	Asphalt Flashing Interior (w/ silver coating)	Admin. Office building roof / East center of section # 1 roof / 1970's	No
148	Asphalt Flashing Interior (w/ silver coating)	Admin. Office building roof / West center of section # 1 roof / 1970's	No
149	Asphalt Roof Mat	Admin. Office building roof / SW corner of section # 1 roof / 1970's	No
150	Asphalt Roof Mat	Admin. Office building roof / Center of section # 1 roof / 1970's	No
151	HVAC Duct Wrap (White)	Admin. Office building roof / South end of HVAC duct section # 1 roof/1970's	No
152	HVAC Duct Wrap (White)	Admin. Office building roof / North end of HVAC duct section # 1 roof/1970's	No
153	HVAC Duct Mastic (Gray/White)	Admin. Office building roof / HVAC duct on section # 1 roof / 1970's	No
154	HVAC Duct Mastic (Gray/White)	Admin. Office building roof/ HVAC duct on section # 1 roof / 1970's	No
155	2X2 Ceiling Tile	Main Plant Power House control room / SE ceiling / 1980's	No
156	2X2 Ceiling Tile	Main Plant Power House control room / NW ceiling / 1980's	No
157	Drywall	Main Plant Power House men's bathroom / NW ceiling / 1980's	No
158	Drywall	Main Plant Power House woman's bathroom / West ceiling / 1980's	No
159	Joint Compound	Main Plant Power House men's bathroom / SE ceiling / 1980's	No
160	Joint Compound	Main Plant Power House woman's bathroom / Center ceiling / 1980's	No



SUMMARY OF PLM REPORT

Location: GM-Fredericksburg Powertrain Plant

Date Collected: July 25 thru August 7, 2012

Project No.: 1207-4110

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
161	Acid Table	Main Plant Power House control room / East wall – south side of fume hood / 1980's	No
162	Acid Table	Main Plant Power House control room / East wall – north side of fume hood / 1980's	No
163	Concrete Board	Main Plant Power House control room / Fume hood / 1980's	Yes
164	Concrete Board	Main Plant Power House control room / Fume hood / 1980's	Yes
165	2X4 Ceiling Tile	Main Plant UAW permanent office / East ceiling / P15-P16 / 1980's	No
166	2X4 Ceiling Tile	Main Plant UAW permanent office – alarm room / P15-P16 / East ceiling / 1980	No
167	Drywall	Main Plant UAW permanent office / NE wall at ceiling / P15-P16 / 1980's	No
168	Drywall	Main Plant UAW permanent office – alarm room / SW wall / P15-P16 / 1980's	No
169	Joint Compound	Main Plant UAW permanent office / NE wall at ceiling / P15-P16 / 1980's	No
170	Joint Compound	Main Plant UAW permanent office / SW alarm room wall / P15-P16 / 1980's	No
171	White Fl. Tile w/Beige Mastic	Main Plant UAW permanent office / East entrance area floor / P15-P16 / 1980's	No
172	White Fl. Tile w/Beige Mastic	Main Plant UAW permanent office / West entrance area floor/ P15-P16 / 1980's	No
173	Beige Fl. Tile w/ Beige Mastic	Main Plant UAW permanent office / NE file room floor / P15-P16 / 1980's	No
174	Beige Fl. Tile w/ Beige Mastic	Main Plant UAW permanent office / West file room floor / P15-P16 / 1980's	No
175	Cove Base Mastic (Black)	Main Plant UAW permanent office / South entrance area wall / P15-P16 / 1980's	No
176	Cove Base Mastic (Black)	Main Plant UAW permanent office / West file room floor / P15-P16 / 1980's	No
177	2X4 Ceiling Tile	Main Plant modular office # 2 / North ceiling / N17-M17 / 1980's	No
178	2X4 Ceiling Tile	Main Plant modular office # 4 / North ceiling / N17-M17 / 1980's	No
179	Drywall	Main Plant modular office # 1 / SW wall / N17-M17 / 1980's	No
180	Drywall	Main Plant modular office # 4 / North wall / N17-M17 / 1980's	No



SUMMARY OF PLM REPORT

Location: GM-Fredericksburg Powertrain Plant

Date Collected: July 25 thru August 7, 2012

Project No.: 1207-4110

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
181	Carpet Mastic (Yellow)	Main Plant modular office # 2 / SE floor / N17-M17 / 1980's	No
182	Carpet Mastic (Yellow)	Main Plant modular office # 3 / SE floor / N17-M17 / 1980's	No
183	Black Floor Mastic	Main Plant entrance # 1 / NW corner of floor / 1980's	No
184	Black Floor Mastic	Main Plant entrance # 1 / SE corner of floor / 1980's	No
185	Mudded Pipe Elbow Joints w/ Pipe Wrap	Main Plant wash station # 4 / K5-K7 / 1980's	No
186	Mudded Pipe Elbow Joints w/ Pipe Wrap	Main Plant wash station # 4 / K5-K7 / 1980's	No
187	HVAC Expansion Joint (Black)	Main Plant mezzanine / South side duct / A15 / 1970's	No
188	HVAC Expansion Joint (Black)	Main Plant mezzanine / North side duct / A15 / 1970's	No
189	Coated Pipe Wrap	Main Plant 0-6" cooling H2O pipe end / A8 / 1970's	No
190	Coated Pipe Wrap	Main Plant 0-6" potable H2O pipe joint / B11 / 1970's	No
191	Coated Pipe Wrap	Main Plant 0-6" cooling H2O pipe joint / C11 / 1970's	No
192	Coated Pipe Wrap	Main Plant 6-12" condensate pipe elbow / B10 / 1970's	No
193	Coated Pipe Wrap	Main Plant 6-12" steam pipe valve / C15 / 1970's	No
194	Coated Pipe Wrap	Main Plant 6-12" steam pipe elbow / C12 / 1970's	No
195	Mudded Pipe Wrap (White)	Main Plant roof conductor / A8 / 1970's	No
196	Mudded Pipe Wrap (White)	Main Plant roof conductor / A6 / 1970's	No
197	Mudded Pipe Wrap (White)	Main Plant roof conductor / A13 / 1970's	No
198	Mudded Pipe Wrap (Gray)	Main Plant roof conductor joint / A8 / 1970's	No
199	Mudded Pipe Wrap (White)	Main Plant roof conductor joint / A6 / 1970's	No
200	Mudded Pipe Wrap (White)	Main Plant roof conductor joint / A13 / 1970's	No



SUMMARY OF PLM REPORT

Location: GM-Fredericksburg Powertrain Plant

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Project No.: 1207-4110

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
201	Gasket (Lt. Green)	Main Plant Power House 0-6" HVAC supply pipe / B19 / 1980's	No
202	Gasket (Lt. Green)	Main Plant Power House 6-12" Cooling H2O return pipe / A19 / 1980's	No
203	Gasket (Black)	Main Plant Power House 6-12" Cooling H2O pipe / B19 / 1980's	Yes
204	HVAC Expansion Joint (Black/White Coating)	Main Plant Power House / SE side duct / C17 / 1980's	No
205	HVAC Expansion Joint(Black/White Coating)	Main Plant Power House / North side duct / C19 / 1980's	No
206	Mudded Wrap	Main Plant Power House Mezzanine # 1 – 6' dia. tank / East end of tank / C16/ 1980	No
207	Mudded Wrap	Main Plant Power House Mezzanine # 1 – 6' dia. tank / East end of tank / C16/ 1980	No
208	Mudded Wrap	Main Plant Power House Mezzanine # 1 – 6' dia. tank / West end of tank / C16/ 1980	No
209	Coated Pipe Wrap (White)	Main Plant Power House >12" steam pipe elbow / C19 / 1980's	No
210	Coated Pipe Wrap (White)	Main Plant Power House >12" steam pipe elbow / C17 / 1980's	No
211	Coated Pipe Wrap (White)	Main Plant Power House >12" pipe elbow / C15 / 1980's	No
212	Mudded Pipe Elbow (White)	Main Plant Power House >12" HVAC supply pipe elbow / C15 / 1980's	No
213	Mudded Pipe Elbow (White)	Main Plant Power House >12" HVAC return pipe elbow / C15 / 1980's	No
214	Coated Pipe Wrap (White)	Main Plant 0-6" pipe elbow / E13 / 1980's	No
215	Coated Pipe Wrap (White)	Main Plant 0-6" pipe elbow / M5 / 1980's	No
216	Coated Pipe Wrap (White)	Main Plant 0-6" pipe joint / N19 / 1980's	No
217	Coated Pipe Wrap (White)	Main Plant 6-12" cooling supply pipe end / B11 / 1980's	No
218	Coated Pipe Wrap (White)	Main Plant 6-12" steam pipe / L5 / 1980's	No
219	Coated Pipe Wrap (White)	Main Plant 6-12" steam pipe / M11 / 1980's	No
220	Duct Joint Mastic (Yellow/White)	Main Plant >12" HVAC Duct / M7 / 1980's	Yes



SUMMARY OF PLM REPORT

Location: GM-Fredericksburg Powertrain Plant

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Project No.: 1207-4110

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
221	Duct Joint Mastic (Yellow/White)	Main Plant >12" HVAC Duct / K13 / 1980's	Yes
222	Duct Joint Mastic (Yellow/White)	Main Plant >12" HVAC Duct / B13 / 1980's	Yes
223	Caulk (Gray)	Admin. Office exterior / Entrance # 15 / 1970's	Yes
224	Caulk (Gray)	Admin. Office exterior / Entrance # 12 / 1970's	Yes
225	Concrete Board Overhang Siding	Admin. Office exterior / Entrance # 15 / 1970's	Yes
226	Concrete Board Overhang Siding	Admin. Office exterior / Entrance # 12 / 1970's	Yes
227	Concrete Board Overhang ceiling	Admin. Office exterior / Entrance # 15 / 1970's	Yes
228	Concrete Board Overhang ceiling	Admin. Office exterior / Entrance #12 / 1970's	Yes
229	Caulk (Dark Gray)	Main Plant exterior / West cafeteria window / 1980's	No
230	Caulk (Dark Gray)	Main Plant exterior / East cafeteria window / 1980's	No
231	Caulk (Dark Brown)	Main Plant exterior / Entrance # 5 / G21 / 1980's	No
232	Caulk (Dark Brown)	Main Plant exterior / Entrance # 7 / E21 / 1980's	No
233	Asphalt Built-Up Roof Core	Outbuilding # 1 / center of roof / 1980's	No
234	Asphalt Built-Up Roof Core	Outbuilding # 2 / center of roof / 1980's	No
235	Asphalt Built-Up Roof Core	Outbuilding # 3 / center of roof / 1980's	No
236	Asphalt Flashing Exterior	Outbuilding # 1 / NW roof / 1980's	No
237	Asphalt Flashing Exterior	Outbuilding # 2 / North corner of roof / 1980's	No
238	Asphalt Flashing Exterior	Outbuilding # 3 / South corner of roof / 1980's	No
239	Honey Comb Paper (Brown)	Chiller-Cooling Tower / East side of tower / 1980's	No
240	Honey Comb Paper (Brown)	Chiller-Cooling Tower / West side of tower / 1980's	No



SUMMARY OF PLM REPORT

Location: GM-Fredericksburg Powertrain Plant

Date Collected: July 25 thru August 7, 2012

Project No.: 1207-4110

SAMPLE #	SAMPLE TYPE	SAMPLE LOCATION	ASBESTOS PRESENT
241	Insulating Coating (Black/White)	Used oil tank / SE corner of outbuilding # 3 / 1980's	No
242	Insulating Coating (Black/White)	Used oil tank / West end of outbuilding # 3 / 1980's	No
243	2X2 Ceiling Tile	Outbuilding # 5 (Guard House) / NE ceiling / 1980's	No
244	2X2 Ceiling Tile	Outbuilding # 5 (Guard House) / SE ceiling / 1980's	No
245	Drywall	Outbuilding # 5 (Guard House) / NE wall / 1980's	No
246	Drywall	Outbuilding # 5 (Guard House) / SW wall / 1980's	No
247	Joint Compound	Outbuilding # 5 (Guard House) / NE wall / 1980's	No
248	Joint Compound	Outbuilding # 5 (Guard House) / SW wall / 1980's	No
249	Light Gray Fl. Tile w/ Black Mastic	Outbuilding # 5 (Guard House) / SW floor / 1980's	No
250	Light Gray Fl. Tile w/ Black Mastic	Outbuilding # 5 (Guard House) / NE floor / 1980's	No
251	Caulk (Gray)	Outbuilding # 5 (Guard House) Exterior / North window frames / 1980's	No
252	Caulk (Gray)	Outbuilding # 5 (Guard House) Exterior / South window frames / 1980's	No

Samples Collected by: Andrew Mayes & Daniel Goodman



APPENDIX A

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project # 1207-4110

Report To:

Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Rd., Ste. 111E
Livonia, MI 48152

ARI Report # 12-41042
Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 01 Cust. #: 1207-4110-1 Material: 2x4 Ceiling Tile Location: Admin Open Office Area/NW Ceiling/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 02 Cust. #: 1207-4110-2 Material: 2x4 Ceiling Tile Location: Admin Office 104/East Ceiling/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 03 Cust. #: 1207-4110-3 Material: 2x4 Ceiling Tile Location: Admin Open Office Area/SW Ceiling/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert Letarte".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project # 1207-4110

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Livonia, MI 48152

ARI Report # 12-41042
Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 04 Cust. #: 1207-4110-4 Material: 2x2 Ceiling Tile Location: Admin Office 118/SE Ceiling/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 05 Cust. #: 1207-4110-5 Material: 2x2 Ceiling Tile Location: Admin Office 118/Center Ceiling/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 06 Cust. #: 1207-4110-6 Material: 2x2 Ceiling Tile Location: Admin Office 118/NW Ceiling/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%

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Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 07 Cust. #: 1207-4110-7 Material: 2x4 Ceiling Tile Location: 2nd FL Admin Office 201/SE Ceiling/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 08 Cust. #: 1207-4110-8 Material: 2x4 Ceiling Tile Location: 2nd FL Admin Office 201/NW Ceiling/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 09 Cust. #: 1207-4110-9 Material: Drywall w/Faux Wood Covering Location: Admin Office 125/South Wall/1970's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

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ARI Report # 12-41042
Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 10 Cust. #: 1207-4110-10 Material: Drywall w/Faux Wood Covering Location: Admin Office 105/North Wall/1970's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 41042 - 11 Cust. #: 1207-4110-11 Material: Drywall w/Faux Wood Covering Location: Admin Office 127/East Wall/1970's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 41042 - 12 Cust. #: 1207-4110-12 Material: Drywall Location: Admin Office 115/West Wall/1970's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%

For Layered Samples, each component will be analyzed and reported separately.

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Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 13 Cust. #: 1207-4110-13 Material: Drywall Location: Lab/North Wall/1970's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%
Lab ID #: 41042 - 14 Cust. #: 1207-4110-14 Material: Drywall Location: Stairwell #1/SE Wall/1970's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%
Lab ID #: 41042 - 15 Cust. #: 1207-4110-15 Material: Drywall Location: 2nd FL Admin Office 200/South Wall/1970's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%

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Livonia, MI 48152

ARI Report # 12-41042
Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 16 Cust. #: 1207-4110-16 Material: Drywall Location: 2nd FL Admin Office 206/South Wall/1970's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%
Lab ID #: 41042 - 17 Cust. #: 1207-4110-17 Material: Joint Compound Location: Admin Office 115/West Wall/1970's Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - <1%	Cellulose - 2% Other - 98%
Lab ID #: 41042 - 18 Cust. #: 1207-4110-18 Material: Joint Compound Location: Lab Room 109/North Wall/1970's Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - <1%	Cellulose - 2% Other - 98%

For Layered Samples, each component will be analyzed and reported separately.

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Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 19 Cust. #: 1207-4110-19 Material: Joint Compound Location: Stairwell #1/SE Wall/1970's Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - <1%	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 20 Cust. #: 1207-4110-20 Material: Joint Compound Location: 2nd FL Admin Office 200/South Wall/1970's Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 21 Cust. #: 1207-4110-21 Material: Joint Compound Location: 2nd FL Admin Office 206/South Wall/1970's Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project # 1207-4110

Report To:

Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Rd., Ste. 111E
Livonia, MI 48152

ARI Report # 12-41042
Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 22 Cust. #: 1207-4110-22 Material: Glue Location: Admin Office 120/North Floor/1970's Appearance: yellow, fibrous, homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 22a Cust. #: 1207-4110-22 Material: White Floor Tile Location: Admin Office 120/North Floor/1970's Appearance: white, fibrous, homogenous Layer: 2 of 3	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 41042 - 22b Cust. #: 1207-4110-22 Material: Black Mastic Location: Admin Office 120/North Floor/1970's Appearance: black, fibrous, homogenous Layer: 3 of 3	Asbestos Present: YES Chrysotile - 7%	Other - 93%

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 23 Cust. #: 1207-4110-23 Material: Glue Location: Admin Office 120/North Floor/1970's Appearance: yellow, fibrous, homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 23a Cust. #: 1207-4110-23 Material: White Floor Tile Location: Admin Office 120/North Floor/1970's Appearance: Layer: 2 of 3	Asbestos Present: NOT ANALYZED	
Lab ID #: 41042 - 23b Cust. #: 1207-4110-23 Material: Black Mastic Location: Admin Office 120/North Floor/1970's Appearance: Layer: 3 of 3	Asbestos Present: NOT ANALYZED	

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 24 Cust. #: 1207-4110-24 Material: Glue Location: Admin Office 118/NW Floor/1970's Appearance: yellow, nonfibrous, homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 24a Cust. #: 1207-4110-24 Material: White Floor Tile Location: Admin Office 118/NW Floor/1970's Appearance: Layer: 2 of 3	Asbestos Present: NOT ANALYZED	
Lab ID #: 41042 - 24b Cust. #: 1207-4110-24 Material: Black Mastic Location: Admin Office 118/NW Floor/1970's Appearance: Layer: 3 of 3	Asbestos Present: NOT ANALYZED	

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 25 Cust. #: 1207-4110-25 Material: Floor Tile (White w/L. Blue Spec) Location: Medical Room 129/North Floor/1970's Appearance: white, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 25a Cust. #: 1207-4110-25 Material: Yellow Mastic Location: Medical Room 129/North Floor/1970's Appearance: yellow, nonfibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 26 Cust. #: 1207-4110-26 Material: Floor Tile (White w/L. Blue Spec) Location: Medical Room 129/East Floor/1970's Appearance: white, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 26a Cust. #: 1207-4110-26 Material: Yellow Mastic Location: Medical Room 129/East Floor/1970's Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 27 Cust. #: 1207-4110-27 Material: Floor Tile (White w/L. Blue Spec) Location: Medical Room 129/South Floor/1970's Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 27a Cust. #: 1207-4110-27 Material: Yellow Mastic Location: Medical Room 129/South Floor/1970's Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 28 Cust. #: 1207-4110-28 Material: Glue Location: Medical Room 129/North Floor/1970's Appearance: clear,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 28a Cust. #: 1207-4110-28 Material: White Floor Tile 2nd Layer Location: Medical Room 129/North Floor/1970's Appearance: white,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 28b Cust. #: 1207-4110-28 Material: Black Mastic Location: Medical Room 129/North Floor/1970's Appearance: black,fibrous,nonhomogenous Layer: 3 of 3	Asbestos Present: YES Chrysotile - 2%	Cellulose - 2% Other - 96%

For Layered Samples, each component will be analyzed and reported separately.

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 29 Cust. #: 1297-4110-29 Material: Glue Location: Medical Room 129/East Floor/1970's Appearance: clear,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 29a Cust. #: 1297-4110-29 Material: White Floor Tile 2nd Layer Location: Medical Room 129/East Floor/1970's Appearance: white,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 29b Cust. #: 1297-4110-29b Material: Black Mastic Location: Medical Room 129/East Floor/1970's Appearance: Layer: 3 of 3	Asbestos Present: NOT ANALYZED	

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 30 Cust. #: 1207-4110-30 Material: Glue Location: Medical Room 129/South Floor/1970's Appearance: clear,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 30a Cust. #: 1207-4110-30 Material: White Floor Tile 2nd Layer Location: Medical Room 129/South Floor/1970's Appearance: white,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 30b Cust. #: 1207-4110-30 Material: Black Mastic Location: Medical Room 129/South Floor/1970's Appearance: Layer: 3 of 3	Asbestos Present: NOT ANALYZED	

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 31 Cust. #: 1207-4110-31 Material: Black Flooring Location: Stairwell #1/North Landing/1970's Appearance: black,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 31a Cust. #: 1207-4110-31 Material: Yellow Mastic Location: Stairwell #1/North Landing/1970's Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 32 Cust. #: 1207-4110-32 Material: Black Flooring Location: Stairwell #1/South Landing/1970's Appearance: black,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 32a Cust. #: 1207-4110-32 Material: Yellow Mastic Location: Stairwell #1/South Landing/1970's Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 33 Cust. #: 1207-4110-33 Material: Carpet Mastic (Yellow) Location: Admin Office 128/North Floor/1970's Appearance: yellow,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 34 Cust. #: 1207-4110-34 Material: Carpet Mastic (Yellow) Location: Admin Office 102/South Floor/1970's Appearance: yellow,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 35 Cust. #: 1207-4110-35 Material: Carpet Mastic (Yellow) Location: 2nd FL Admin Office 206/Center FL/1970's Appearance: yellow,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 35a Cust. #: 1207-4110-35 Material: Leveling Compound Location: 2nd FL Admin Office 206/Center FL/1970's Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 36 Cust. #: 1207-4110-36 Material: Carpet Mastic (Yellow) Location: 2nd FL Admin Hall #2/Center Floor/1970's Appearance: yellow,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 37 Cust. #: 1207-4110-37 Material: Cove Base Mastic (Yellow) Location: Admin Office 122/West Wall/1970's Appearance: yellow,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 38 Cust. #: 1207-4110-38 Material: Cove Base Mastic (Yellow) Location: Admin Office 118/North Wall/1970's Appearance: yellow,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 39 Cust. #: 1207-4110-39 Material: Cove Base Mastic (Yellow) Location: 2nd FL Admin Office 201/East Wall/1970's Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 40 Cust. #: 1207-4110-40 Material: Ceramic Tile Location: 1st FL Men's Bathroom/North Floor/1970's Appearance: white, nonfibrous, homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 40a Cust. #: 1207-4110-40 Material: Grout Location: 1st FL Men's Bathroom/North Floor/1970's Appearance: white, nonfibrous, homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 40b Cust. #: 1207-4110-40 Material: Glue Location: 1st FL Men's Bathroom/North Floor/1970's Appearance: white, fibrous, homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 41 Cust. #: 1207-4110-41 Material: Ceramic Tile Location: 1st FL Women's Bathroom/N. Floor/1970's Appearance: white, nonfibrous, homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 41a Cust. #: 1207-4110-41 Material: Grout Location: 1st FL Women's Bathroom/N. Floor/1970's Appearance: white, fibrous, homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 41b Cust. #: 1207-4110-41 Material: Glue Location: 1st FL Women's Bathroom/N. Floor/1970's Appearance: white, fibrous, homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Project # 1207-4110

Report To:

Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Rd., Ste. 111E
Livonia, MI 48152

ARI Report # 12-41042
Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 42 Cust. #: 1207-4110-42 Material: Concrete Board Location: Lab Room 109/Fume Hood/1970's Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 40%	Other - 60%
Lab ID #: 41042 - 43 Cust. #: 1207-4110-43 Material: Concrete Board Location: Lab Room 109/Fume Hood/1970's Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 41042 - 44 Cust. #: 1207-4110-44 Material: Acid Table Location: Lab Room 109/Acid Table/1970's Appearance: black, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert Letarte".

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 45 Cust. #: 1207-4110-45 Material: Acid Table Location: Lab Room 109/Acid Table/1970's Appearance: black,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 46 Cust. #: 1207-4110-46 Material: Caulk (Grey) Location: Admin Atrium/NW Corner/1970's Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 47 Cust. #: 1207-4110-47 Material: Caulk (Grey) Location: Admin Atrium/NE Corner/1970's Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 48 Cust. #: 1207-4110-48 Material: Caulk (Grey) Location: Admin Entrance 12/Int. Window Frame/1970's Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 41042 - 49 Cust. #: 1207-4110-49 Material: Caulk (Grey) Location: Admin Office 108/Int. Window Frame/1970's Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 41042 - 50 Cust. #: 1207-4110-50 Material: HVAC Duct Mastic (Red) Location: Admin Open Office Area/East Ceiling/1970's Appearance: red, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Wollastonite - 5% Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 51 Cust. #: 1207-4110-51 Material: HVAC Duct Mastic (Red) Location: Admin Open Office Area/West Ceiling/1970's Appearance: red,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Wollastonite - 5% Other - 95%
Lab ID #: 41042 - 52 Cust. #: 1207-4110-52 Material: HVAC Expansion Joint (Black) Location: Admin Open Office Area/East Ceiling/1970's Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 25% Other - 75%
Lab ID #: 41042 - 53 Cust. #: 1207-4110-53 Material: HVAC Expansion Joint (Black) Location: Admin Open Office Area/West Ceiling/1970's Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 25% Other - 75%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 54 Cust. #: 1207-4110-54 Material: HVAC Duct Mastic (Red) Location: Admin Office 118/North Ceiling/1970's Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 55 Cust. #: 1207-4110-55 Material: HVAC Duct Mastic (Red) Location: Admin Office 118/North Ceiling/1970's Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 56 Cust. #: 1207-4110-56 Material: Drywall Location: Main Plant/Middle East Wall/1970's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 57 Cust. #: 1207-4110-57 Material: Drywall Location: Main Plant/Left East Wall/1970's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 41042 - 58 Cust. #: 1207-4110-58 Material: Drywall Location: Main Plant/Right East Wall/1970's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 41042 - 59 Cust. #: 1207-4110-59 Material: Joint Compound Location: Main Plant/Middle East Wall/1970's Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - <1%	Cellulose - 2% Other - 98%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 60 Cust. #: 1207-4110-60 Material: Joint Compound Location: Main Plant/Left East Wall/1970's Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - <1%	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 61 Cust. #: 1207-4110-61 Material: Joint Compound Location: Main Plant/Left East Wall/1970's Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO Chrysotile - <1%	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 62 Cust. #: 1207-4110-62 Material: Drywall Location: Main, Modular Office/C10-C11 E. Wall/1970 Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 63 Cust. #: 1207-4110-63 Material: Drywall Location: Main, Modular Office/C8-C9/N. Wall/1970 Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%
Lab ID #: 41042 - 64 Cust. #: 1207-4110-64 Material: Drywall Location: Main, Modular Office/C7-C8/W. Wall/1970 Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%
Lab ID #: 41042 - 65 Cust. #: 1207-4110-65 Material: 2x4 Ceiling Tile Location: Main, Modular Office/C10-C11/SE Ceil./1970 Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 66 Cust. #: 1207-4110-66 Material: 2x4 Ceiling Tile Location: Main, Modular Office/C8-C9/Seeil/1970 Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 67 Cust. #: 1207-4110-67 Material: 2x4 Ceiling Tile Location: Main, Modular Office/C7-C8/W. Ceil/1970 Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 68 Cust. #: 1207-4110-68 Material: Carpet Mastic (Yellow) Location: Main, Modular Office/C8-C9/SEDoorway Appearance: yellow, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 69 Cust. #: 1207-4110-69 Material: Carpet Mastic (Yellow) Location: Main, Modular Office/C8-C9/NW Doorway Appearance: yellow, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 70 Cust. #: 1207-4110-70 Material: 2x4 Ceiling Tile Location: Main, Modular Office/H8-H9/NE Ceil/1980 Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 71 Cust. #: 1207-4110-71 Material: 2x4 Ceiling Tile Location: Main, Modular Office/H8-H9/SW Ceil/1980 Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 72 Cust. #: 1207-4110-72 Material: Drywall Location: Main, Modular Office/H8-H9/NW Wall/1980 Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%
Lab ID #: 41042 - 73 Cust. #: 1207-4110-73 Material: Drywall Location: Main, Modular Office/H8-H9/SE Wall/1980 Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%
Lab ID #: 41042 - 74 Cust. #: 1207-4110-74 Material: Carpet Mastic (Yellow) Location: Main, Modular Office/H8-H9/SW Fl/1980 Appearance: yellow, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 75 Cust. #: 1207-4110-75 Material: Carpet Mastic (Yellow) Location: Main, Modular Office/H8-H9/SE Fl/1980 Appearance: yellow, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 76 Cust. #: 1207-4110-76 Material: 2x2 Ceiling Tile Location: Main, Men's Bathrm/H8-H11/S.Ceil/1980 Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 77 Cust. #: 1207-4110-77 Material: 2x2 Ceiling Tile Location: Main, Women's Bathrm/H8-H11Ctr Ceil/1980 Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 78 Cust. #: 1207-4110-78 Material: 2x4 Ceiling Tile Location: Main Plant Cafeteria Office/NW Ceil/1980 Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 35% Other - 25%
Lab ID #: 41042 - 79 Cust. #: 1207-4110-79 Material: 2x4 Ceiling Tile Location: Main Plant Cafeteria/NW Ceiling/1980's Appearance: grey, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 35% Other - 25%
Lab ID #: 41042 - 80 Cust. #: 1207-4110-80 Material: Drywall Location: Main Plant Cafeteria Office/SE Wall/1980's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 81 Cust. #: 1207-4110-81 Material: Drywall Location: Main Plant Cafeteria/NW Wall/1980's Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%
Lab ID #: 41042 - 82 Cust. #: 1207-4110-82 Material: Joint Compound Location: Main Plant Cafeteria Office/SE Wall/1980's Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 83 Cust. #: 1207-4110-83 Material: Joint Compound Location: Main Plant Cafeteria/NW Wall/1980's Appearance: white, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 84 Cust. #: 1207-4110-84 Material: Carpet Mastic (Yellow) Location: Main Plant Cafeteria Office/E. Floor/1980's Appearance: yellow,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 84a Cust. #: 1207-4110-84 Material: Leveling Compound Location: Main Plant Cafeteria Office/E. Floor/1980's Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 85 Cust. #: 1207-4110-85 Material: Carpet Mastic (Yellow) Location: Main,Cafeteria Skills Room/N. Floor/1980 Appearance: yellow,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project # 1207-4110

Report To:

Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Rd., Ste. 111E
Livonia, MI 48152

ARI Report # 12-41042
Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 85a Cust. #: 1207-4110-85 Material: Leveling Compound Location: Main,Cafeteria Skills Room/N. Floor/1981 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 86 Cust. #: 1207-4110-86 Material: Caulk (Brown) Location: Main,Cafeteria/E. Int. Window Frame/1980 Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 87 Cust. #: 1207-4110-87 Material: Caulk (Brown) Location: Main,Cafeteria/W. Int. Window Frame/1980 Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 88 Cust. #: 1207-4110-88 Material: Mud Wrap Location: Main,Mezz//Tank/N21-M21/N. Side/1980 Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Mineral Wool - 20% Other - 60%
Lab ID #: 41042 - 89 Cust. #: 1207-4110-89 Material: Mud Wrap Location: Main,Mezz//Tank/N21-M21/E. End/1980 Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Mineral Wool - 25% Other - 55%
Lab ID #: 41042 - 90 Cust. #: 1207-4110-90 Material: Mud Wrap Location: Main,Mezz//Tank/N21-M21/S. Side/1980 Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Mineral Wool - 25% Other - 55%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 91 Cust. #: 1207-4110-91 Material: 2x2 Ceiling Tile Location: Main,Men's Bathrm/N21-M21/NE Ceil/1980 Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 92 Cust. #: 1207-4110-92 Material: 2x2 Ceiling Tile Location: Main,Women's Bath/N21-M21/SE Ceil/1980 Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 35% Other - 25%
Lab ID #: 41042 - 93 Cust. #: 1207-4110-93 Material: Drywall Location: Main,Men's Bathrm/N21-M21/Ctr Ceil/1980 Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 94 Cust. #: 1207-4110-94 Material: Drywall Location: Main, Women's Bath/N21-M21/Ctr Ceil/1980 Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 41042 - 95 Cust. #: 1207-4110-95 Material: Joint Compound Location: Main, Men's Bathrm/N21-M21/Ctr Ceil/1980 Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 96 Cust. #: 1207-4110-96 Material: Joint Compound Location: Main, Women's Bath/N21-M21/Ctr Ceil/1980 Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 97 Cust. #: 1207-4110-97 Material: 2x4 Ceiling Tile Location: Main,Modular Office/A11-B11/SE Ceil/1980 Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 98 Cust. #: 1207-4110-98 Material: 2x4 Ceiling Tile Location: Main,Modular Office/A11-B11/NW Ceil/1980 Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 99 Cust. #: 1207-4110-99 Material: Floor Tile (Black) Location: Main,Modular Office/A11-B11/SE Fl/1980 Appearance: black,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 99a Cust. #: 1207-4110-99 Material: Yellow Mastic Location: Main,Modular Office/A11-B11/SE Fl/1980 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 100 Cust. #: 1207-4110-100 Material: Floor Tile (Black) Location: Main,Modular Office/A11-B11/NW Fl/1980 Appearance: black,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 100a Cust. #: 1207-4110-100 Material: Yellow Mastic Location: Main,Modular Office/A11-B11/NW Fl/1980 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 101 Cust. #: 1207-4110-101 Material: Cloth Gasket Location: Main,Power House/CB21-C21/R. Boiler Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 80% Other - 20%
Lab ID #: 41042 - 102 Cust. #: 1207-4110-102 Material: Cloth Gasket Location: Main,Power House/CB21-C21/Left Boiler Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 90% Other - 10%
Lab ID #: 41042 - 103 Cust. #: 1207-4110-103 Material: Fire Coating Location: Main,Power House/CB21-C21/R. Boiler Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 104 Cust. #: 1207-4110-104 Material: Fire Coating Location: Main,Power House/CB21-C21/L.. Boiler Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 105 Cust. #: 1207-4110-105A Material: Concrete Fire Block Location: Main,Power House/B19-C19/nt. Red Boiler Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 106 Cust. #: 1207-4110-105B Material: Concrete Fire Block Location: Main,Power House/B19-C19/Int. Red Boiler Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 107 Cust. #: 1207-4110-106 Material: Insulation Location: Main,Roof/NW Corner of Section #1/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 41042 - 107a Cust. #: 1207-4110-106 Material: Tar Location: Main,Roof/NW Corner of Section #1/1980 Appearance: black,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 41042 - 108 Cust. #: 1207-4110-107 Material: Insulation Location: Main,Roof/Center of Section #1/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 108a Cust. #: 1207-4110-107 Material: Tar Location: Main,Roof/Center of Section #1/1980 Appearance: black,fibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 41042 - 108b Cust. #: 1207-4110-107 Material: Tar Location: Main,Roof/Center of Section #1/1980 Appearance: black,fibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 41042 - 109 Cust. #: 1207-4110-108 Material: Insulation Location: Main,Roof/SE Corner of Section #1/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 109a Cust. #: 1207-4110-108 Material: Tar Location: Main,Roof/SE Corner of Section #1/1980 Appearance: black,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 41042 - 110 Cust. #: 1207-4110-109 Material: Insulation Location: Main,Roof/NW Corner of Section #2/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 41042 - 110a Cust. #: 1207-4110-109 Material: Foam Location: Main,Roof/NW Corner of Section #2/1980 Appearance: white,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 110b Cust. #: 1207-4110-109 Material: Paper Location: Main,Roof/NW Corner of Section #2/1980 Appearance: black,fibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 70% Fiberglass - 10% Other - 20%
Lab ID #: 41042 - 110c Cust. #: 1207-4110-109 Material: Tar Location: Main,Roof/NW Corner of Section #2/1980 Appearance: black,fibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 41042 - 111 Cust. #: 1207-4110-110 Material: Insulation Location: Main,Roof/Center of Section #2/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 111a Cust. #: 1207-4110-110 Material: Paper Location: Main,Roof/Center of Section #2/1980 Appearance: black,fibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 50% Other - 50%
Lab ID #: 41042 - 111b Cust. #: 1207-4110-110 Material: Tar Location: Main,Roof/Center of Section #2/1980 Appearance: black,fibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 41042 - 111c Cust. #: 1207-4110-110 Material: Tar Location: Main,Roof/Center of Section #2/1980 Appearance: black,fibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Fiberglass - 10% Other - 90%

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Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 112 Cust. #: 1207-4110-111 Material: Insulation Location: Main,Roof/SE Corner of Section #2/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 41042 - 112a Cust. #: 1207-4110-111 Material: Tar Location: Main,Roof/SE Corner of Section #2/1980 Appearance: black,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 41042 - 113 Cust. #: 1207-4110-112 Material: Insulation Location: Main,Roof/NE Corner of Section #2/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%

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A handwritten signature in black ink, appearing to read "Robert Letarte".

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project # 1207-4110

Report To:

Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Rd., Ste. 111E
Livonia, MI 48152

ARI Report # 12-41042
Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 113a Cust. #: 1207-4110-112 Material: Tar Location: Main,Roof/NE Corner of Section #2/1980 Appearance: black,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 5% Other - 85%
Lab ID #: 41042 - 114 Cust. #: 1207-4110-113 Material: Insulation Location: Main,Roof/West Portion Section #2/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 41042 - 114a Cust. #: 1207-4110-113 Material: Tar Location: Main,Roof/West Portion Section #2/1980 Appearance: black,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 114b Cust. #: 1207-4110-113 Material: Paper Location: Main,Roof/West Portion Section #2/1980 Appearance: black,fibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 41042 - 114c Cust. #: 1207-4110-113 Material: Coating Location: Main,Roof/West Portion Section #2/1980 Appearance: silver,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 115 Cust. #: 1207-4110-114 Material: Insulation Location: Main,Roof/Center of Section #2 Roof/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 115a Cust. #: 1207-4110-114 Material: Tar Location: Main,Roof/Center of Section #2 Roof/1980 Appearance: black,fibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 41042 - 115b Cust. #: 1207-4110-114 Material: Coating Location: Main,Roof/Center of Section #2 Roof/1980 Appearance: silver,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 116 Cust. #: 1207-4110-115 Material: Insulation Location: Main,Roof/NE Portion of Section #1/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 4	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 116a Cust. #: 1207-4110-115 Material: Tar Location: Main,Roof/NE Portion of Section #1/1980 Appearance: black,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 116b Cust. #: 1207-4110-115 Material: Paper Location: Main,Roof/NE Portion of Section #1/1980 Appearance: black,fibrous,homogenous Layer: 3 of 4	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 41042 - 116c Cust. #: 1207-4110-115 Material: Coating Location: Main,Roof/NE Portion of Section #1/1980 Appearance: silver,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 117 Cust. #: 1207-4110-116 Material: Insulation Location: Main,Roof/S. Wall Section of #2 Roof/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 41042 - 117a Cust. #: 1207-4110-116 Material: Tar Location: Main,Roof/S. Wall Section of #2 Roof/1980 Appearance: black,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 117b Cust. #: 1207-4110-116 Material: Paper Location: Main,Roof/S. Wall Section of #2 Roof/1980 Appearance: black,fibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 118 Cust. #: 1207-4110-117 Material: Insulation Location: Main,Roof/E. Wall of Section #2 Roof/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 41042 - 118a Cust. #: 1207-4110-117 Material: Tar Location: Main,Roof/E. Wall of Section #2 Roof/1980 Appearance: black,fibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 41042 - 118b Cust. #: 1207-4110-117 Material: Tar Location: Main,Roof/E. Wall of Section #2 Roof/1980 Appearance: black,fibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Fiberglass - 10% Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 119 Cust. #: 1207-4110-118 Material: Insulation Location: Main,Roof/S. Wall of Section #1 Roof/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 3	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 41042 - 119a Cust. #: 1207-4110-118 Material: Tar Location: Main,Roof/S. Wall of Section #1 Roof/1980 Appearance: black,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 119b Cust. #: 1207-4110-118 Material: Paper Location: Main,Roof/S. Wall of Section #1 Roof/1980 Appearance: black,fibrous,homogenous Layer: 3 of 3	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 120 Cust. #: 1207-4110-119 Material: Insulation Location: Main,Roof/N. Wall of Section #2 Roof/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 41042 - 120a Cust. #: 1207-4110-119 Material: Tar Location: Main,Roof/N. Wall of Section #2 Roof/1980 Appearance: black,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 41042 - 121 Cust. #: 1207-4110-120 Material: Insulation Location: Main,Roof/SE Corner of Section #1/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 5	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 121a Cust. #: 1207-4110-120 Material: Tar Location: Main,Roof/SE Corner of Section #1/1980 Appearance: black,fibrous,homogenous Layer: 2 of 5	Asbestos Present: NO No Asbestos Observed	Cellulose - 5%
Lab ID #: 41042 - 121b Cust. #: 1207-4110-120 Material: Tar Location: Main,Roof/SE Corner of Section #1/1980 Appearance: black,fibrous,homogenous Layer: 3 of 5	Asbestos Present: NO No Asbestos Observed	Fiberglass - 10% Other - 90%
Lab ID #: 41042 - 121c Cust. #: 1207-4110-120 Material: Tar Location: Main,Roof/SE Corner of Section #1/1980 Appearance: black,fibrous,homogenous Layer: 4 of 5	Asbestos Present: NO No Asbestos Observed	Synthetic - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 121d Cust. #: 1207-4110-120 Material: Paper Location: Main,Roof/SE Corner of Section #1/1980 Appearance: black,fibrous,homogenous Layer: 5 of 5	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 41042 - 122 Cust. #: 1207-4110-121 Material: Insulation Location: Main,Roof/SE Corner of Section #1/1980 Appearance: yellow,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 41042 - 122a Cust. #: 1207-4110-121 Material: Tar Location: Main,Roof/SE Corner of Section #1/1980 Appearance: black,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Fiberglass - 10% Other - 85%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 123 Cust. #: 1207-4110-122 Material: Roof Expansion Joint Fabric Location: Main Plant Roof/Center of Section #1 & 2 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 41042 - 124 Cust. #: 1207-4110-123 Material: Roof Expansion Joint Fabric Location: Main Plant Roof/East of Section #1 & 2 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 41042 - 125 Cust. #: 1207-4110-124 Material: Asphalt Built-Up Roof Core Location: Main Plant Lower Roof/SE Corner, Section 2 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 30% Other - 60%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 126 Cust. #: 1207-4110-125 Material: Asphalt Built-Up Roof Core Location: Main Plant Lower Roof/N. Center, Section 2 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: 41042 - 127 Cust. #: 1207-4110-126 Material: Asphalt Built-Up Roof Core Location: Main, Lower Roof/NW Corn/Sect 1/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 35% Other - 65%
Lab ID #: 41042 - 128 Cust. #: 1207-4110-127 Material: Asphalt Flashing Location: Main, Lower Roof/Ctr of Section #1/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 25% Other - 75%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 129 Cust. #: 1207-4110-128 Material: Asphalt Flashing Location: Main, Lower Roof/N. Ctr Sect. #2/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 15% Fiberglass - 20% Other - 65%
Lab ID #: 41042 - 130 Cust. #: 1207-4110-129 Material: Asphalt Flashing Location: Main, Lower Roof/S. Portion Sect. 2/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 25% Other - 75%
Lab ID #: 41042 - 131 Cust. #: 1207-4110-130 Material: Roof Expansion Joint Fabric Location: Main, Lower Roof/E. of Sect #1 & 2/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 132 Cust. #: 1207-4110-131 Material: Roof Expansion Joint Fabric Location: Main, Upper Roof/Center, Sect 1&2/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 41042 - 133 Cust. #: 1207-4110-132 Material: Asphalt Built-Up Roof Core Location: Main, Upper Roof/SW Corner, Sect 1/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Fiberglass - 30% Other - 65%
Lab ID #: 41042 - 134 Cust. #: 1207-4110-133 Material: Asphalt Built-Up Roof Core Location: Main, Upper Roof/E. Center, Sect 1/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 25% Other - 75%

For Layered Samples, each component will be analyzed and reported separately.

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Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project # 1207-4110

Report To:

Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Rd., Ste. 111E
Livonia, MI 48152

ARI Report # 12-41042
Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 135 Cust. #: 1207-4110-134 Material: Asphalt Built-Up Roof Core Location: Main, Plant Upper Roof/NE Corn Sect.2/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 25% Other - 75%
Lab ID #: 41042 - 136 Cust. #: 1207-4110-135 Material: Asphalt Built-Up Roof Core Location: Main, Upper Roof/SW Corner Sect. 3/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 15% Fiberglass - 25% Other - 60%
Lab ID #: 41042 - 137 Cust. #: 1207-4110-136 Material: Asphalt Built-Up Roof Core Location: Main, Upper Roof/NE Corner Sect.3/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Fiberglass - 30% Other - 65%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 138 Cust. #: 1207-4110-137 Material: Asphalt Flashing Location: Main, Upper Roof/W. Ctr Sect 3/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: 41042 - 139 Cust. #: 1207-4110-138 Material: Asphalt Flashing Location: Main, Upper Roof/NE Corner Sect 1/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 25% Other - 75%
Lab ID #: 41042 - 140 Cust. #: 1207-4110-139 Material: Asphalt Flashing Location: Main, Upper Roof/W. Ctr Sect. 3/1970 Appearance: black, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 141 Cust. #: 1207-4110-140 Material: Asphalt Rolled Roof Core Location: Main,Up.Roof/SW Corn.,Sect.3 Secondary Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 50% Fiberglass - 10% Other - 40%
Lab ID #: 41042 - 142 Cust. #: 1207-4110-141 Material: Asphalt Rolled Roof Core Location: Main,Lower Roof/NE Corn,Sec.3/Secondary Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 50% Fiberglass - 10% Other - 40%
Lab ID #: 41042 - 143 Cust. #: 1207-4110-142 Material: Asphalt Built-Up Roof Core Location: Admin Office Bldg. Roof/NW Corn Sect.1 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 30% Other - 60%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 144 Cust. #: 1207-4110-143 Material: Asphalt Built-Up Roof Core Location: Admin Office Bldg. Roof/E. Ctr Sect.1/1970 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 15% Fiberglass - 10% Synthetic - 15% Other - 60%
Lab ID #: 41042 - 145 Cust. #: 1207-4110-144 Material: Asphalt Built-Up Roof Core Location: Admin Office Bldg. Roof/SE Corn. Sect. 1 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Fiberglass - 25% Other - 70%
Lab ID #: 41042 - 146 Cust. #: 1207-4110-145 Material: Asphalt Flashing Exterior (w/Silver Coating) Location: Admin Office Bldg. Roof/SW Corner Sect.2 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 20% Other - 70%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 147 Cust. #: 1207-4110-146 Material: Asphalt Flashing Exterior (w/Silver Coating) Location: Admin Office Bldg. Roof/E. Ctr Sect.2/1970 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 20% Other - 70%
Lab ID #: 41042 - 148 Cust. #: 1207-4110-147 Material: Asphalt Flashing Interior (w/Silver Coating) Location: Admin Office Bldg. Roof/E. Ctr Sect.1/1970 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 15% Synthetic - 15% Other - 60%
Lab ID #: 41042 - 149 Cust. #: 1207-4110-148 Material: Asphalt Flashing Interior (w/Silver Coating) Location: Admin Office Bldg. Roof/W. Ctr Sect.1/1970 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 15% Synthetic - 10% Other - 65%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 150 Cust. #: 1207-4110-149 Material: Asphalt Roof Mat Location: Admin Office Bldg. Roof/SW Corn Sect1/197 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Fiberglass - 10% Other - 85%
Lab ID #: 41042 - 151 Cust. #: 1207-4110-150 Material: Asphalt Roof Mat Location: Admin Office Bldg. Roof/Ctr of Sect 1/1970 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 41042 - 152 Cust. #: 1207-4110-151 Material: HVAC Duct Wrap (White) Location: Admin Office Bldg. Roof/S. End of Duct Appearance: white,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 153 Cust. #: 1207-4110-152 Material: HVAC Duct Wrap (White) Location: Admin Office Bldg. Roof/N. End of Duct Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 41042 - 154 Cust. #: 1207-4110-153 Material: HVAC Duct Mastic (Grey/White) Location: Admin Office Bldg. Roof/Duct on Section 1 Appearance: white, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 155 Cust. #: 1207-4110-154 Material: HVAC Duct Mastic (Grey/White) Location: Admin Office Bldg. Roof/Duct on Section 1 Appearance: white, nonfibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 156 Cust. #: 1207-4110-155 Material: 2x2 Ceiling Tile Location: Main,Power House Control Rm/SE Ceil/1980 Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Mineral Wool - 30% Perlite - 20% Other - 20%
Lab ID #: 41042 - 157 Cust. #: 1207-4110-156 Material: 2x2 Ceiling Tile Location: Main,Power House Control Rm/NW Ceil/1980 Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Mineral Wool - 30% Perlite - 20% Other - 20%
Lab ID #: 41042 - 158 Cust. #: 1207-4110-157 Material: Drywall Location: Main,Power House Men's Bath/NW Ceil/1980 Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 50% Other - 50%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 159 Cust. #: 1207-4110-158 Material: Drywall Location: Main,Power House Women's Bath/W.Ceiling Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Other - 60%
Lab ID #: 41042 - 160 Cust. #: 1207-4110-159 Material: Joint Compound Location: Main,Power House Men's Bath/SE Ceil/1980 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 161 Cust. #: 1207-4110-160 Material: Joint Compound Location: Main,Power House Women's Bath/Ctr Ceiling Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 162 Cust. #: 1207-4110-161 Material: Acid Table Location: Main,Power House Cont. Rm/E.Wall/S. Side Appearance: black,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 163 Cust. #: 1207-4110-162 Material: Acid Table Location: Main,Power House Cont.Rm/E.Wall N.Side Appearance: black,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 164 Cust. #: 1207-4110-163 Material: Concrete Board Location: Main,Power House Control Rm/Fume Hood Appearance: grey,fibrous,homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 50%	Other - 50%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 165 Cust. #: 1207-4110-164 Material: Concrete Board Location: Main,Power House Control Rm/Fume Hood Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 41042 - 166 Cust. #: 1207-4110-165 Material: 2x4 Ceiling Tile Location: Main,UAW Perm.Office/E.Ceil/P15-P16 Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 10% Perlite - 30% Other - 20%
Lab ID #: 41042 - 167 Cust. #: 1207-4110-166 Material: 2x4 Ceiling Tile Location: Main,UAW Perm.Office/Alarm Rm/P15-P16 Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 10% Perlite - 30% Other - 20%

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Date Analyzed: 08/02/12
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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 168 Cust. #: 1207-4110-167 Material: Drywall Location: Main UAW Perm Office/NW Wall P15-P16 Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 70% Other - 30%
Lab ID #: 41042 - 169 Cust. #: 1207-4110-168 Material: Drywall Location: Main UAW Perm. Office/Alarm Rm. SW Wall Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 41042 - 170 Cust. #: 1207-4110-169 Material: Joint Compound Location: Main UAW Perm. Office/NE Wall/P15-P16 Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 171 Cust. #: 1207-4110-170 Material: Joint Compound Location: Main UAW Perm. Office/SW Alarm Rm Wall Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 172 Cust. #: 1207-4110-171 Material: Floor Tile (White) Location: Main UAW Perm. Office/E. Entr. P15-P16 Appearance: white, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 172a Cust. #: 1207-4110-171 Material: Beige Mastic Location: Main UAW Perm. Office/E. Entr. P15-P16 Appearance: yellow, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Test Method, Polarized Light Microscopy (PLM)



Project # 1207-4110

Report To:

Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Rd., Ste. 111E
Livonia, MI 48152

ARI Report # 12-41042
Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 173 Cust. #: 1207-4110-172 Material: Floor Tile (White) Location: Main UAW Perm.Office/W. Entr/P15-P16 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 173a Cust. #: 1207-4110-172 Material: Beige Mastic Location: Main UAW Perm.Office/W. Entr/P15-P16 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 174 Cust. #: 1207-4110-173 Material: Floor Tile (Beige) Location: Main UAW Perm.Office/NE File Rm/P15-P16 Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 174a Cust. #: 1207-4110-173 Material: Beige Mastic Location: Main UAW Perm.Office/NE File Rm/P15-P16 Appearance: yellow,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 41042 - 175 Cust. #: 1207-4110-174 Material: Floor Tile (Beige) Location: Main UAW Perm.Office/W. File Rm/P15-P16 Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 175a Cust. #: 1207-4110-174 Material: Beige Mastic Location: Main UAW Perm.Office/W. File Rm/P15-P16 Appearance: yellow,fibrous,homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 176 Cust. #: 1207-4110-175 Material: Cove Base Mastic (Black) Location: Main UAW Perm.Office/S. Entr. Wall Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 177 Cust. #: 1207-4110-176 Material: Cove Base Mastic (Black) Location: Main UAW Perm.Office/W. File Rm/P15-P16 Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 178 Cust. #: 1207-4110-177 Material: 2x4 Ceiling Tile Location: Main Modular Office #2/N. Ceil/N17-M17 Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 179 Cust. #: 1207-4110-178 Material: 2x4 Ceiling Tile Location: Main Modular Office #4/N.Ceil/N17-M17 Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Mineral Wool - 30% Other - 30%
Lab ID #: 41042 - 180 Cust. #: 1207-4110-179 Material: Drywall Location: Main Modular Office #1/SW Wall/N17-M17 Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 41042 - 181 Cust. #: 1207-4110-180 Material: Drywall Location: Main Modular Office #4/N. Wall/N17-M17 Appearance: white, fibrous, nonhomogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 182 Cust. #: 1207-4110-181 Material: Carpet Mastic (Yellow) Location: Main Modular Office #2/SE Floor/N17-M17 Appearance: yellow,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 183 Cust. #: 1207-4110-182 Material: Carpet Mastic (Yellow) Location: Main Modular Office #3/SE Flr/N17-M17 Appearance: yellow,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 184 Cust. #: 1207-4110-183 Material: Black Floor Mastic Location: Main Plant Entrance #1/NW Corner of F/1980 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 185 Cust. #: 1207-4110-184 Material: Black Floor Mastic Location: Main Plant Entrance #1/SE Corner of Fl/1980 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 41042 - 186 Cust. #: 1207-4110-185 Material: Mudded Pipe Elbow Joints Location: Main Plant Wash Station #4/K5-K7/1980 Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 5% Other - 95%
Lab ID #: 41042 - 186a Cust. #: 1207-4110-185 Material: Pipe Wrap Location: Main Plant Wash Station #4/K5-K7/1980 Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 90% Other - 10%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 187 Cust. #: 1207-4110-186 Material: Mudded Pipe Elbow Joints Location: Main Plant Wash Station #4/K5-K7/1980 Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 10% Other - 90%
Lab ID #: 41042 - 187a Cust. #: 1207-4110-186 Material: Pipe Wrap Location: Main Plant Wash Station #4/K5-K7/1980 Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 90% Other - 10%
Lab ID #: 41042 - 188 Cust. #: 1207-4110-187 Material: HVAC Expansion Joint (Black) Location: Main Plant Mezzanine/S. Side Duct/A15 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 40% Other - 60%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 189 Cust. #: 1207-4110-188 Material: HVAC Expansion Joint (Black) Location: Main Plant Mezzanine/N. Side Duct/A15 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 40% Other - 60%
Lab ID #: 41042 - 190 Cust. #: 1207-4110-189 Material: Coating Location: Main Plant 0-6" Cooling H2O Pipe End/A8 Appearance: beige, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 190a Cust. #: 1207-4110-189 Material: Pipe Wrap Location: Main Plant 0-6" Cooling H2O Pipe End/A8 Appearance: yellow, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Mineral Wool - 70% Fiberglass - 10% Other - 15%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 191 Cust. #: 1207-4110-190 Material: Pipe Wrap Location: Main Plant 0-6" Potable H2O Pipe Joint/B11 Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Mineral Wool - 65% Fiberglass - 10% Other - 15%
Lab ID #: 41042 - 192 Cust. #: 1207-4110-191 Material: Coating Location: Main Plant 0-6" Cooling H2O Pipe Joint/C11 Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - <1%	Other - 100%
Lab ID #: 41042 - 192a Cust. #: 1207-4110-191 Material: Pipe Wrap Location: Main Plant 0-6" Cooling H2O Pipe Joint/C11 Appearance: yellow, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 193 Cust. #: 1207-4110-192 Material: Coating Location: Main Plant 6-12" Conden. Pipe Elbow/B10 Appearance: white, nonfibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%
Lab ID #: 41042 - 193a Cust. #: 1207-4110-192 Material: Pipe Wrap Location: Main Plant 6-12" Conden. Pipe Elbow/B10 Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Fiberglass - 20% Other - 70%
Lab ID #: 41042 - 194 Cust. #: 1207-4110-193 Material: Coating Location: Main Plant 6-12" Steam Pipe Valve/C15 Appearance: white, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 194a Cust. #: 1207-4110-193 Material: Pipe Wrap Location: Main Plant 6-12" Steam Pipe Valve/C15 Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 70% Other - 30%
Lab ID #: 41042 - 195 Cust. #: 1207-4110-194 Material: Coating Location: Main Plant 6-12" Steam Pipe Elbow/C12 Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 98%
Lab ID #: 41042 - 195a Cust. #: 1207-4110-194 Material: Pipe Wrap Location: Main Plant 6-12" Steam Pipe Elbow/C12 Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 30% Fiberglass - 20% Other - 50%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 196 Cust. #: 1207-4110-195 Material: Insulation Location: Main Plant Roof Conductor/A8/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 10% Fiberglass - 10% Other - 80%
Lab ID #: 41042 - 196a Cust. #: 1207-4110-195 Material: Pipe Wrap (White) Location: Main Plant Roof Conductor/A8/1970's Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 41042 - 197 Cust. #: 1207-4110-196 Material: Insulation Location: Main Plant Roof Conductor/A6/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 10% Fiberglass - 5% Other - 85%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 198 Cust. #: 1207-4110-197 Material: Insulation Location: Main Plant Roof Conductor/A13/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 10% Other - 90%
Lab ID #: 41042 - 198a Cust. #: 1207-4110-197 Material: Pipe Wrap (White) Location: Main Plant Roof Conductor/A13/1970's Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 41042 - 199 Cust. #: 1207-4110-198 Material: Insulation Location: Main Plant Roof Conductor Joint/A8/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 10% Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 199a Cust. #: 1207-4110-198 Material: Pipe Wrap (White) Location: Main Plant Roof Conductor Joint/A8/1970's Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Other - 95%
Lab ID #: 41042 - 200 Cust. #: 1207-4110-199 Material: Insulation Location: Main Plant Roof Conductor Joint/A6/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 10% Fiberglass - 10% Other - 80%
Lab ID #: 41042 - 201 Cust. #: 1207-4110-200 Material: Insulation Location: Main Plant Roof Conductor Joint/A13/1970's Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 10% Other - 90%

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Test Method, Polarized Light Microscopy (PLM)



Project # 1207-4110

Report To:

Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Rd., Ste. 111E
Livonia, MI 48152

ARI Report # 12-41042
Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 201a Cust. #: 1207-4110-200 Material: Pipe Wrap (White) Location: Main Plant Roof Conductor Joint/A13/1970's Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 80% Other - 20%
Lab ID #: 41042 - 202 Cust. #: 1207-4110-201 Material: Gasket (Lt. Green) Location: Power House 0-6" HVAC Supply Pipe/B19 Appearance: green, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Fiberglass - 5% Other - 55%
Lab ID #: 41042 - 203 Cust. #: 1207-4110-202 Material: Gasket (Lt. Green) Location: Power House 6-12" Cooling H2O Return Pipe Appearance: green, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 40% Fiberglass - 5% Other - 55%

For Layered Samples, each component will be analyzed and reported separately.

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Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 204 Cust. #: 1207-4110-203 Material: Gasket (Black) Location: Power House 6-12" Cooling H2O Pipe/B19 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 60%	Other - 40%
Lab ID #: 41042 - 205 Cust. #: 1207-4110-204 Material: HVAC Expansion Joint (Black w/Coating) Location: Main Plant Power House/SE Side Duct/C17 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 70% Other - 30%
Lab ID #: 41042 - 206 Cust. #: 1207-4110-205 Material: HVAC Expansion Joint (Black w/Coating) Location: Main Plant Power House/N. Side Duct/C19 Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 70% Other - 30%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 207 Cust. #: 1207-4110-206 Material: Mudded Wrap over Fiberglass Location: Power House Mezz. #1 - 6' Dia. Tank/E.End Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 40% Other - 60%
Lab ID #: 41042 - 207a Cust. #: 1207-4110-206 Material: Insulation Location: Power House Mezz. #1 - 6' Dia. Tank/E.End Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 10% Other - 90%
Lab ID #: 41042 - 208 Cust. #: 1207-4110-207 Material: Mudded Wrap over Fiberglass Location: Power House Mezz. #1 - 6' Dia. Tank/E. End Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 50% Other - 50%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 208a Cust. #: 1207-4110-207 Material: Insulation Location: Power House Mezz.#1 - 6' Dia. Tank/E. End Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 10% Other - 90%
Lab ID #: 41042 - 209 Cust. #: 1207-4110-208 Material: Mudded Wrap over Fiberglass Location: Power House Mezz.#1 - 6' Dia. Tank/W.End Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Fiberglass - 50% Other - 50%
Lab ID #: 41042 - 209a Cust. #: 1207-4110-208 Material: Insulation Location: Power House Mezz.#1 - 6' Dia. Tank/W.End Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 10% Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 210 Cust. #: 1207-4110-209 Material: Coating Location: Power House >12" Steam Pipe Elbow/C19 Appearance: white, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%
Lab ID #: 41042 - 210a Cust. #: 1207-4110-209 Material: Pipe Wrap (White) Location: Power House >12" Steam Pipe Elbow/C19 Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 40% Other - 40%
Lab ID #: 41042 - 211 Cust. #: 1207-4110-210 Material: Coating Location: Power House >12" Steam Pipe Elbow/C17 Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 211a Cust. #: 1207-4110-210 Material: Pipe Wrap (White) Location: Power House >12" Steam Pipe Elbow/C17 Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 40% Other - 40%
Lab ID #: 41042 - 212 Cust. #: 1207-411-211 Material: Coating Location: Power House >12" Pipe Elbow/C15/1980's Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%
Lab ID #: 41042 - 212a Cust. #: 1207-411-211 Material: Pipe Wrap (White) Location: Power House >12" Pipe Elbow/C15/1980's Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 70% Mineral Wool - 10% Other - 20%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 213 Cust. #: 1207-411-212 Material: Pipe Wrap (White) Location: >12" HVAC Supply Pipe Elbow/C15/1980's Appearance: white, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%
Lab ID #: 41042 - 213a Cust. #: 1207-411-212 Material: Insulation Location: >12" HVAC Supply Pipe Elbow/C15/1980's Appearance: grey, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 20% Other - 80%
Lab ID #: 41042 - 214 Cust. #: 1207-411-213 Material: Pipe Wrap (White) Location: >12" HVAC Return Pipe Elbow/C15/1980's Appearance: white, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 214a Cust. #: 1207-411-213 Material: Insulation Location: >12" HVAC Return Pipe Elbow/C15/1980's Appearance: grey, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 30% Other - 70%
Lab ID #: 41042 - 215 Cust. #: 1207-411-214 Material: Coating Location: Main Plant 0-6" Pipe Elbow/E13/1980's Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%
Lab ID #: 41042 - 215a Cust. #: 1207-411-214 Material: Pipe Wrap (White) Location: Main Plant 0-6" Pipe Elbow/E13/1980's Appearance: beige, fibrous, nonhomogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 10% Mineral Wool - 40% Fiberglass - 20% Other - 30%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 216 Cust. #: 1207-411-215 Material: Coating Location: Main Plant 0-6" Pipe Elbow/M5/1980's Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%
Lab ID #: 41042 - 216a Cust. #: 1207-411-215 Material: Pipe Wrap (White) Location: Main Plant 0-6" Pipe Elbow/M5/1980's Appearance: beige, fibrous, nonhomogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 40% Fiberglass - 30% Other - 30%
Lab ID #: 41042 - 217 Cust. #: 1207-411-216 Material: Coating Location: Main Plant 0-6" Pipe Joint/N19/1980's Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 217a Cust. #: 1207-411-216 Material: Insulation Location: Main Plant 0-6" Pipe Joint/N19/1980's Appearance: yellow, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 41042 - 218 Cust. #: 1207-411-217 Material: Coating Location: Main Plant 6-12" Cooling Supply Pipe End Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%
Lab ID #: 41042 - 218a Cust. #: 1207-411-217 Material: Pipe Wrap (White) Location: Main Plant 6-12" Cooling Supply Pipe End Appearance: beige, fibrous, nonhomogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Fiberglass - 30% Other - 50%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 219 Cust. #: 1207-4110-218 Material: Coating Location: Main Plant 6-12" Steam Pipe/L5/1980's Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%
Lab ID #: 41042 - 219a Cust. #: 1207-4110-218 Material: Pipe Wrap (White) Location: Main Plant 6-12" Steam Pipe/L5/1980's Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Mineral Wool - 30% Fiberglass - 20% Other - 30%
Lab ID #: 41042 - 220 Cust. #: 1207-4110-219 Material: Coating Location: Main Plant 6-12" Steam Pipe/M11/1980's Appearance: beige, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO Chrysotile - < 1%	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 220a Cust. #: 1207-4110-219 Material: Pipe Wrap (White) Location: Main Plant 6-12" Steam Pipe/M11/1980's Appearance: beige, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 20% Mineral Wool - 30% Fiberglass - 30% Other - 20%
Lab ID #: 41042 - 221 Cust. #: 1207-4110-220 Material: Duct Joint Mastic (Yellow/White) Location: Main Plant >12" HVAC Duct/M7/1980's Appearance: yellow, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 41042 - 222 Cust. #: 1207-4110-221 Material: Duct Joint Mastic (Yellow/White) Location: Main Plant >12" HVAC Duct/K13/1980's Appearance: Layer: of	Asbestos Present: NOT ANALYZED	

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Sample Information**Asbestos Type/Percent****Non-Asbestos**

Lab ID #: 41042 - 223
Cust. #: 1207-4110-222
Material: Duct Joint Mastic (Yellow/White)
Location: Main Plant >12" HVAC Duct/B13/1980's
Appearance:
Layer: of

Asbestos Present: NOT ANALYZED

Lab ID #: 41042 - 224
Cust. #: 1207-4110-223
Material: Caulk (Grey)
Location: Admin Office Exterior/Entrance #15/1970's
Appearance: grey, fibrous, homogenous
Layer: 1 of 1

Asbestos Present: **YES**
Chrysotile - 2%

Other - 98%

Lab ID #: 41042 - 225
Cust. #: 1207-4110-224
Material: Caulk (Grey)
Location: Admin Office Exterior/Entrance #12/1970's
Appearance: grey, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 226 Cust. #: 1207-4110-225 Material: Concrete Board Overhang Siding Location: Admin Office Exterior/Entrance #15/1970's Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 5%	Other - 95%
Lab ID #: 41042 - 227 Cust. #: 1207-4110-226 Material: Concrete Board Overhang Siding Location: Admin Office Exterior/Entrance #12/1970's Appearance: Layer: of	Asbestos Present: NOT ANALYZED	
Lab ID #: 41042 - 228 Cust. #: 1207-4110-227 Material: Concrete Board Overhang Ceiling Location: Admin Office Exterior/Entrance #15/1970's Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 10%	Other - 90%

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Report To:

Mr. Nick Kobrossi
K-Tech Environmental Consultants, Inc.
19500 Middlebelt Rd., Ste. 111E
Livonia, MI 48152

ARI Report # 12-41042
Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information**Asbestos Type/Percent****Non-Asbestos**

Lab ID #: 41042 - 229
Cust. #: 1207-4110-228
Material: Concrete Board Overhang Ceiling
Location: Admin Office Exterior/Entrance #12/1970's
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 41042 - 230
Cust. #: 1207-4110-229
Material: Caulk (Dark Grey)
Location: Main Plant Exterior/W. Cafeteria Window
Appearance: grey, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 41042 - 231
Cust. #: 1207-4110-230
Material: Caulk (Dark Grey)
Location: Main Plant Exterior/E. Cafeteria Window
Appearance: grey, nonfibrous, homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

A handwritten signature in black ink, appearing to read "Robert Letarte".

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate may not be used by the customer to claim product endorsement by NVLAP or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.



NVLAP Lab Code 102118-0

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)



Project # 1207-4110

Report To:

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Livonia, MI 48152

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 232 Cust. #: 1207-4110-231 Material: Caulk (Dark Brown) Location: Main Plant Exterior/Entrance #5/G21/1980's Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 233 Cust. #: 1207-4110-232 Material: Caulk (Dark Brown) Location: Main Plant Exterior/Entrance #7/E21 Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 234 Cust. #: 1207-4110-233 Material: Insulation Location: Outbuilding #1/Center of Roof/1980's Appearance: yellow,fibrous,homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%

For Layered Samples, each component will be analyzed and reported separately.

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 234a Cust. #: 1207-4110-233 Material: Tar Location: Outbuilding #1/Center of Roof/1980's Appearance: black, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Fiberglass - 5% Other - 90%
Lab ID #: 41042 - 235 Cust. #: 1207-4110-234 Material: Insulation Location: Outbuilding #2/Center of Roof/1980's Appearance: yellow, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 41042 - 235a Cust. #: 1207-4110-234 Material: Tar Location: Outbuilding #2/Center of Roof/1980's Appearance: black, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Fiberglass - 5% Other - 90%

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Date Collected: 07/26/12
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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 236 Cust. #: 1207-4110-235 Material: Insulation Location: Outbuilding #3/Center of Roof/1980's Appearance: yellow, fibrous, homogenous Layer: 1 of 2	Asbestos Present: NO No Asbestos Observed	Mineral Wool - 90% Other - 10%
Lab ID #: 41042 - 236a Cust. #: 1207-4110-235 Material: Tar Location: Outbuilding #3/Center of Roof/1980's Appearance: black, fibrous, homogenous Layer: 2 of 2	Asbestos Present: NO No Asbestos Observed	Cellulose - 5% Fiberglass - 5% Other - 90%
Lab ID #: 41042 - 237 Cust. #: 1207-4110-236 Material: Asphalt Flashing Exterior Location: Outbuilding #1/NW Roof/1980's Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Fiberglass - 2% Other - 96%

For Layered Samples, each component will be analyzed and reported separately.

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Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 238 Cust. #: 1207-4110-237 Material: Asphalt Flashing Exterior Location: Outbuilding #2/North Corner of Roof/1980's Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 2% Fiberglass - 5% Other - 93%
Lab ID #: 41042 - 239 Cust. #: 1207-4110-238 Material: Asphalt Flashing Exterior Location: Outbuilding #3/South Corner of Roof/1980's Appearance: black, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Fiberglass - 10% Other - 90%
Lab ID #: 41042 - 240 Cust. #: 1207-4110-239 Material: Honey Comb Paper (Brown) Location: Chiller-Cooling Tower/E. Side of Tower Appearance: brown, fibrous, homogenous Layer: 1 of 1	Asbestos Present: YES Chrysotile - 40%	Other - 60%

For Layered Samples, each component will be analyzed and reported separately.

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Livonia, MI 48152

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Date Collected: 07/26/12
Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information**Asbestos Type/Percent****Non-Asbestos**

Lab ID #: 41042 - 241
Cust. #: 1207-4110-240
Material: Honey Comb Paper (Brown)
Location: Chiller-Cooling Tower/W. Side of Tower
Appearance:
Layer: of

Asbestos Present:

NOT ANALYZED

Lab ID #: 41042 - 242
Cust. #: 1207-4110-241
Material: Insulating Coating (Black/White)
Location: Used Oil Tank/SE Corner of Outbuilding #3
Appearance: black,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

Lab ID #: 41042 - 243
Cust. #: 1207-4110-242
Material: Insulating Coating (Black/White)
Location: Used Oil Tank/SW End of Outbuilding #3
Appearance: grey,nonfibrous,homogenous
Layer: 1 of 1

Asbestos Present: **NO**
No Asbestos Observed

Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 244 Cust. #: 1207-4110-243 Material: 2x2 Ceiling Tile Location: Outbuilding #5 (Guard House)/NE Ceiling Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Mineral Wool - 30% Perlite - 20% Other - 20%
Lab ID #: 41042 - 245 Cust. #: 1207-4110-244 Material: 2x2 Ceiling Tile Location: Outbuilding #5 (Guard House)/SE Ceiling Appearance: beige, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 30% Mineral Wool - 30% Perlite - 20% Other - 20%
Lab ID #: 41042 - 246 Cust. #: 1207-4110-245 Material: Drywall Location: Outbuilding #5 (Guard House)/NE Wall Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 50% Other - 50%

For Layered Samples, each component will be analyzed and reported separately.

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Date Received: 07/31/12
Date Analyzed: 08/02/12
Date Reported: 08/02/12

Sample Information	Asbestos Type/Percent	Non-Asbestos
Lab ID #: 41042 - 247 Cust. #: 1207-4110-246 Material: Drywall Location: Outbuilding #5 (Guard House)/SW Wall Appearance: white, fibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Cellulose - 50% Other - 50%
Lab ID #: 41042 - 248 Cust. #: 1207-4110-247 Material: Joint Compound Location: Outbuilding #5 (Guard House)/NE Wall Appearance: white, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%
Lab ID #: 41042 - 249 Cust. #: 1207-4110-248 Material: Joint Compound Location: Outbuilding #5 (Guard House)/SW Wall Appearance: white, nonfibrous, homogenous Layer: 1 of 1	Asbestos Present: NO No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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NVLAP Lab Code 102118-0

APPENDIX B

DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
10-31-2012

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

NUMBER
3303 001390

**VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE**

**WILLIAM FREDERICK MAYES
5421 KARMA ROAD**

CHESTER, VA 23831



Gordon N. Dixon
Gordon N. Dixon, Director

ALTERATION OF THIS DOCUMENT, USE AFTER EXPIRATION, OR USE BY PERSONS OR FIRMS OTHER THAN THOSE NAMED MAY RESULT IN CRIMINAL PROSECUTION UNDER THE CODE OF VIRGINIA.

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(POCKET CARD)

COMMONWEALTH OF VIRGINIA

**VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE**

NUMBER: 3303 001390 EXPIRES: 10-31-2012

**WILLIAM FREDERICK MAYES
5421 KARMA ROAD**

CHESTER VA 23831



DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
9960 Mayland Dr., Suite 400, Richmond, VA 23233

(DETACH HERE)

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
01-31-2013

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

NUMBER
3303 002314

VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

ANDREW WADE MAYES
328 COPPAHAUNK AVENUE
WAVERLY, VA 23890



Gordon N. Dixon
Gordon N. Dixon, Director

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON
06-30-2013

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

NUMBER
3303 003485

VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

DANIEL BRYCE GOODMAN
1020 RASMUSSEN DRIVE
SANDSTON, VA 23150



Gordon N. Dixon
Gordon N. Dixon, Director

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DEPARTMENT OF PROFESSIONAL AND OCCUPATIONAL REGULATION
COMMONWEALTH OF VIRGINIA

EXPIRES ON

03-31-2013

9960 Mayland Dr., Suite 400, Richmond, VA 23233
Telephone: (804) 367-8500

NUMBER

3303 003549

VIRGINIA ASBESTOS LICENSE
INSPECTOR LICENSE

RYAN LYNN CRAMER
1531 PINCHOT ST

RICHMOND, VA 23235

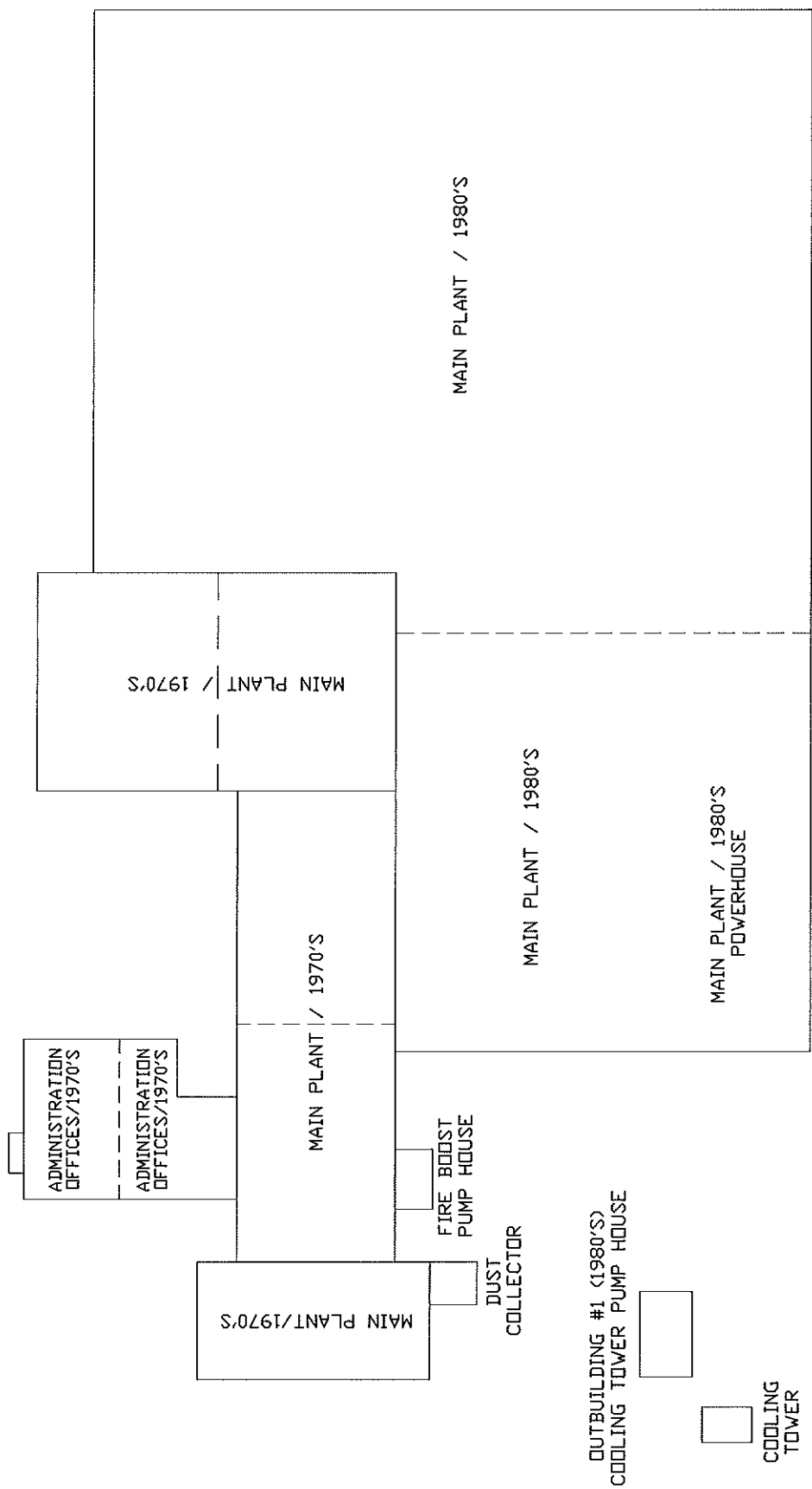


Gordon N. Dixon
Gordon N. Dixon, Director

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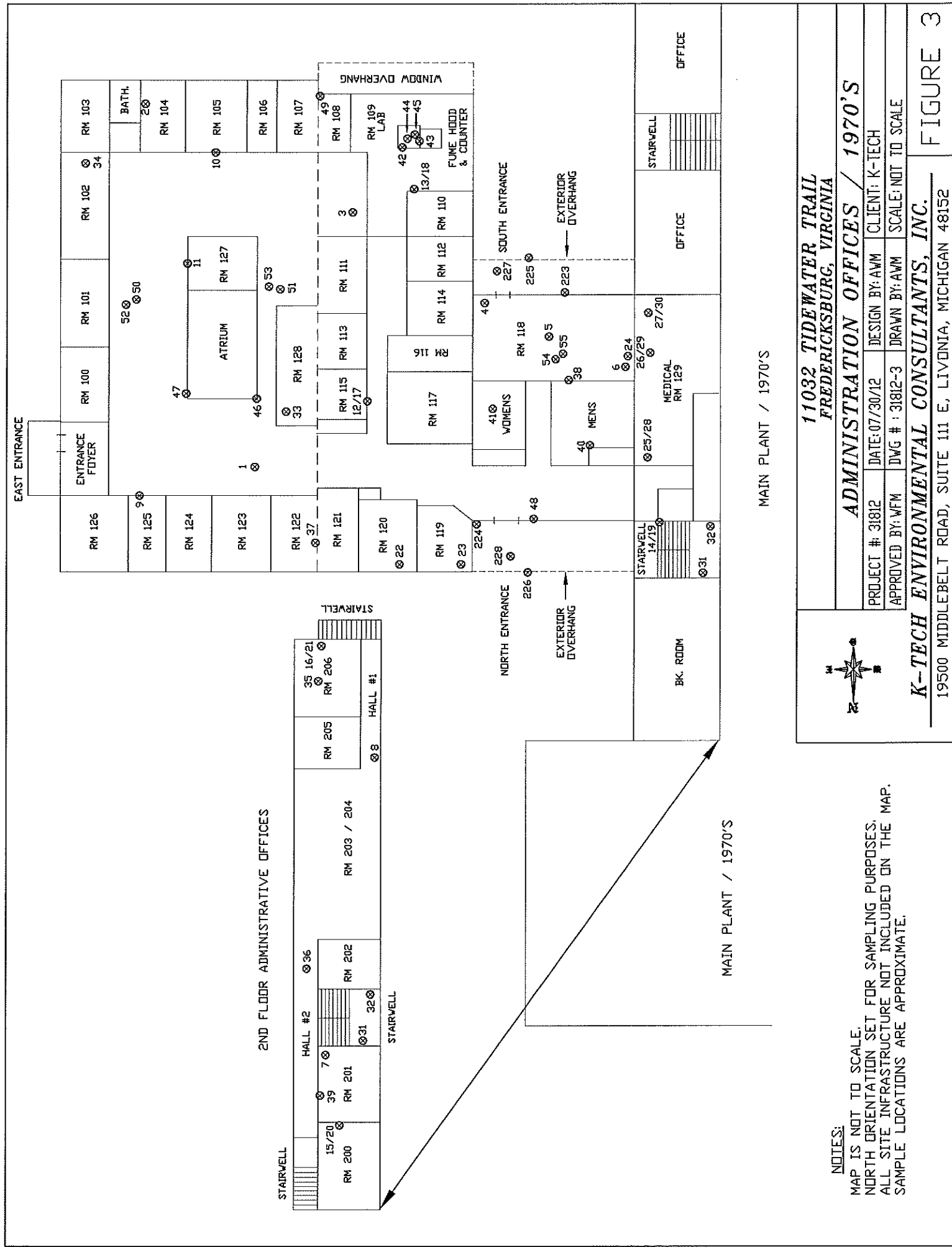
(SEE REVERSE SIDE FOR NAME AND/OR ADDRESS CHANGE)

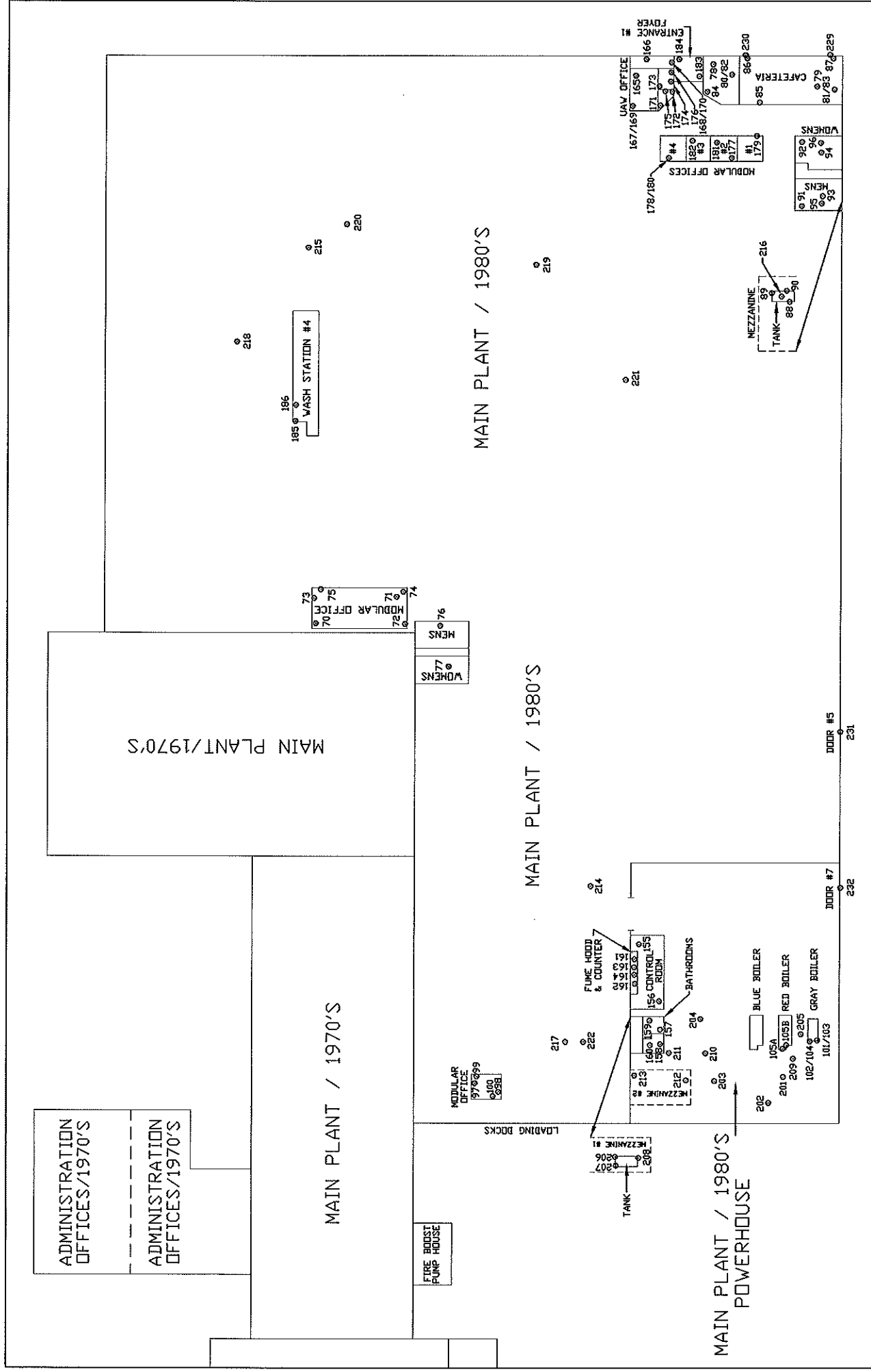
APPENDIX C



NOTES:







NOTES:
 MAP IS NOT TO SCALE.
 NORTH ORIENTATION SET FOR SAMPLING PURPOSES.
 ALL SITE INFRASTRUCTURE NOT INCLUDED ON THE MAP.
 SAMPLE LOCATIONS ARE APPROXIMATE.

**11032 TIDEWATER TRAIL
 FREDERICKSBURG, VIRGINIA**

MAIN PLANT & POWERHOUSE / 1980'S

PROJECT # : 31812	DATE: 07/30/12	DESIGN BY: AWM	CLIENT: K-TECH
APPROVED BY: WFM	DWG # : 31812-5	DRAWN BY: AWM	SCALE: NOT TO SCALE

K-TECH ENVIRONMENTAL CONSULTANT, INC.

19500 MIDDLEBELT ROAD, SUITE 111 E, LIVONIA, MICHIGAN 48152

FIGURE 5