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September 13, 2016

Mr. David Nardone Facilities Manager Derby Board of Education 35 Fifth Street Derby, Connecticut 06418

Re: Air Sampling for Airborne Asbestos at the Derby High School.

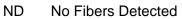
Dear Mr. Nardone:

TRC Environmental Corporation (TRC) representative David Webster collected air samples from forty six (46) locations within the Derby High School from August 29, 2016 through August 31, 2016. All samples were analyzed by phase contrast microscopy (PCM) using the NIOSH 7400 Analytical Method. Approximately 1,200 liters of air were collected for each sample. As required by the NIOSH 7400 Method, two (2) field blanks were collected for each day of sampling. PCM analysis determined that sample 10, collected from room G11 had a fiber concentration of 0.011 fibers per cubic centimeter (f/cc) which was slightly above the reoccupancy limit of 0.010 f/cc. It should be understood that PCM analysis, while being the least expensive analytical method for asbestos air sample analysis, has limitations. All airborne fibers identified by PCM analysis are considered asbestos. For this reason, sample 10 was sent for confirmation analysis by transmission electron microscopy (TEM) using the NIOSH 7402 Analytical Method. TEM analysis determined that there were no asbestos fibers in sample 10. All other samples collected were well below the reoccupancy level of 0.01 f/cc and did not require confirmation analysis.

The table below provides the sample locations and analytical results.

Table 1						
Derby High School Asbestos Air Sampling						
Sample Number	Date Collected	Location	PCM Analysis	TEM Analysis		
01	8/29/16	Field Blank				
02	8/29/16	Field Blank				
03	8/29/16	Room G07	ND<0.002			
04	8/29/16	Room G08	0.008 f/cc			
05	8/29/16	Room G09	0.006 f/cc			
06	8/29/16	Room G06	0.007 f/cc			
07	8/29/16	Room G05	0.008 f/cc			
08	8/29/16	Room G04	0.008 f/cc			
09	8/29/16	Room G10	0.009 f/cc			
10	8/29/16	Room G11	0.011 f/cc	ND		
11	8/29/16	Room G03	0.004 f/cc			

Table 1 Derby High School Asbestos Air Sampling						
Sample Number	Date Collected	Location	PCM Analysis	TEM Analysis		
12	8/29/16	Room 101	0.004 f/cc			
13	8/29/16	Room G02	0.004 f/cc			
14	8/29/16	Room G01	ND<0.002			
15	8/29/16	Room 102	0.007 f/cc			
16	8/29/16	Room 103	0.003 f/cc			
17	8/29/16	Room 104	ND<0.002			
18	8/29/16	Room 105	ND<0.002			
19	8/29/16	Room 106	ND<0.002			
20	8/29/16	Room 107	ND<0.002			
21	8/29/16	Room 108	ND<0.002			
22	8/30/16	Field Blank				
23	8/30/16	Field Blank				
24	8/30/16	Room 109/110	0.004 f/cc			
25	8/30/16	Room 113	ND<0.002			
26	8/30/16	Room 114	ND<0.002			
27	8/30/16	Room 118	ND<0.002			
28	8/30/16	Room 117	0.003 f/cc			
29	8/30/16	Room 116	0.004 f/cc			
30	8/30/16	Room 112	0.002 f/cc			
31	8/30/16	Room 111	ND<0.002			
32	8/30/16	Room 115	ND<0.002			
33	8/30/16	Room 119	ND<0.002			
34	8/30/16	Room 120	ND<0.002			
35	8/30/16	Room 121	ND<0.002			
36	8/30/16	Room 122	ND<0.002			
37	8/30/16	Room 123	ND<0.002			
38	8/30/16	Room 124/125	ND<0.002			
39	8/30/16	Fitness Center	ND<0.002			
40	8/30/16	Art 128	ND<0.002			
41	8/30/16	Tech Ed 129	ND<0.002			
42	8/30/16	Pre K North	ND<0.002			
43	8/31/16	Field Blank				
44	8/31/16	Field Blank				
45	8/31/16	Music 133	ND<0.002			
46	8/31/16	ISS	ND<0.002			
47	8/31/16	Kitchen 136	ND<0.002			
48	8/31/16	Room 135	ND<0.002			
49	8/31/16	Guidance	ND<0.002			
50	8/31/16	Main Office	ND<0.002			
51	8/31/16	Senior Lounge/ Main Entry	0.005 f/cc			
52	8/31/16	Room 130	0.003 f/cc			





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Attached are the PCM and TEM analytical reports. Please contact me at (860) 298-6266 or by email at <a href="mailto:hlaliberte@trcsolutions.com">hlaliberte@trcsolutions.com</a> if you need additional information.

Sincerely,

TRC ENVIRONMENTAL CORPORATION

Henry J. Laliberte

Senior Project Manager

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