MORRIS COUNTY VOCATIONAL SCHOOL DISTRICT
400 East Main Street Denville, NJ 07834-2592
973-627-4600

April 21, 2016

Water Testing at Morris County School of Technology

As a result of the highly-publicized issue of elevated levels of lead in drinking water, the Morris County Vocational School District took proactive measures to assess the quality of our drinking water. We contracted with RAdata, Inc. to take samples from all drinking fountains as well as kitchen sinks utilized for our cafeteria and culinary programs.

Samples for testing were collected on March 31st, and the final results were received on April 19th. With only one exception, the results indicate that all other samples tested are in compliance with the standards issued by New Jersey Department of Environmental Protection. One drinking fountain located in the Plumbing classroom had a slightly elevated level of lead when tested. This fountain was used primarily as a tool for the instructional program and not necessarily as a source for drinking. The fountain was immediately removed once the results were received.

We will continue to monitor water quality in the district and will work with both the Denville and Morris County Boards of Health to ensure the safety of our students and staff.

If you have any questions, please contact me at moffitts@mcvts.org or 973-627-4600 X213.

Scott Moffitt
Superintendent

RAdata, Inc.
27 Ironia Road, Unit 2
Flanders, New Jersey 07836
973-927-7303
973-927-4980 fax

www.radata.com

19 April 2016

Morris County Vocational School
William Mickley
400 East Main Street
Denville NJ 07834

PROPERTY LOCATION:

400 East Main Street
Denville Twp, Morris County, New Jersey

WATER ANALYSIS REPORT **Revised**

*Enclosed please find the water analysis report from the lab for the above listed property. As indicated on the report all parameters tested **DO NOT** comply to NJ DEP Drinking Water standards. Samples are drawn at established sample sizes noted in milliliters (ml) and compared by the lead content reported in parts per billion (ppb). Please review the reports carefully and feel free to contact our office if you have any questions.

The following parameters were tested for in the 2nd Quarter of 2016:

	Sample location	Sample size	Action level	Result
	1st draw sinks	1000 ml	15 ppb	<4.00 ppb – 7.20 ppb
**	1st draw fountains	250 ml	20 ppb	<4.00 ppb – 24.5 ppb
	2nd Draw sample	250 ml	15 ppb	< 4.00 ppb
	Source water sample	250 ml	5 ppb	< 4.00 ppb

This sampling plan did not test the sinks in the classrooms or the fountain accessories located at those sinks.

NOTE: These sample results only represent the faucets from which water samples were collected. To know the lead risk from other faucets similar water samples should be collected and analyzed for lead from each faucet.

** Indicates parameters that **DO NOT** meet NJ-DEP Drinking water standards

There are a number of different Action Levels for lead in water, depending on the type of sample being taken. Lead in Drinking water is given as an Action Level because the ideal amount wanted is Zero but lead is natural to the environment and part of older plumbing systems.

Action Levels:

- The action level for 1st draw lead samples from sinks (1000 ml) is 15 ppb (parts per billion) – this is water that has been sitting for 6 to 12 hours in the plumbing system.
- The action level for 1st draw lead samples from drinking fountains (250 ml) is 20 ppb (parts per billion) – this is water that has been sitting for 6 to 12 hours in the plumbing system.
- The action level for flushed water samples is 5 ppb (parts per billion) – this is the ground water standard.

Lead has been a part of pipe solder, other joining materials and the brass in plumbing fixtures such as faucets. New standards in the production of these products have lessened or eliminated the lead content. It is recommended that during renovations these products be updated to reduce exposure to the lead content from older fixtures.

Notes on results:

- This sampling plan did not collect samples from all possible drinking water sources in the facility.
- These water test results seem to indicate that the lead content in the drinking water is leaching from fixtures.
- We recommend checking with your water provider to understand the lead in drinking water levels they are observing in your area of their distribution system.

If you still have a concern with these results and lead exposure; interim controls including but not limited to flushing of the fixtures before internal consumption of the water can be put in to action while permanent corrections are considered.

Thank You,

Daniel Gallagher
Field Services Manager

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Enc. Originals.

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Laboratory Results

April 7, 2016

Customer:
Morris County Vocational School
400 East Main Street
Denville, NJ 07834
Phone: 973-327-4600 x227
Attn: William Mickley

Parameter: Lead
Method: SM3113B
Collected by: Richard Hand

Detection Limit: 4 ug/L
Action Limit: 15 ug/L

RAdata Sample #	Collection Date	Collection Time	Sample Location	Analysis Date	Analysis Time	Result in ug/L
0416-8071	3/31/16	7:31	Fountain by Rm 102, Bldg. 1	4/4/16	8:53	<4
0416-8071-2	3/31/16	7:34	Fountain by Rm 104A, Bldg. 1	4/4/16	8:53	<4
0416-8071-3	3/31/16	7:36	Fountain by Rm 109, Bldg. 1	4/4/16	8:53	5.22
0416-8071-4	3/31/16	7:43	Copy Rm Sink, Bldg. 1	4/4/16	8:53	<4
0416-8071-5	3/31/16	7:44	Copy Room Sink, Bldg. 1 (Second Draw)	4/4/16	8:53	<4
0416-8071-6	3/31/16	7:48	Kitchen #1 Café Hand Sink, Bldg. 1	4/4/16	8:53	<4
0416-8071-7	3/31/16	7:51	Fountain by Cafeteria, Bldg. 1	4/4/16	8:53	<4
0416-8071-8	3/31/16	7:58	Lower Fountain by Elec. Rm, Bldg. 1	4/4/16	8:53	<4
0416-8071-9	3/31/16	8:03	Rest Rm by Boiler Rm, Bldg. 2 (Source Sample)	4/4/16	8:53	<4
0416-8071-10	3/31/16	8:08	Fountain by Rm 202, Bldg. 2	4/4/16	8:53	<4
0416-8071-11	3/31/16	8:09	Fountain by Rm 202, Bldg. 2 (Second Draw)	4/4/16	8:53	<4
0416-8071-12	3/31/16	8:18	Fountain by Rm 618 (Lower), Bldg. 6	4/4/16	8:53	<4
0416-8071-13	3/31/16	8:24	Hall Fountain by Rm 304, Bldg. 3	4/4/16	8:53	<4

RAdata, Inc., New Jersey Laboratory OQA # 14006

0416-8071-14	3/31/16	8:26	Fountain by Rm 303, Bldg. 3	4/6/16	8:40	<4
0416-8071-15	3/31/16	8:38	Bathroom Tap Rm 306, Bldg. 3 (Source Sample)	4/6/16	8:40	<4
0416-8071-16	3/31/16	8:39	Bathroom Tap Rm 306, Bldg. 3 (Second Draw)	4/6/16	8:40	<4
0416-8071-17	3/31/16	8:45	Fountain Rm 306, Bldg. 3	4/6/16	8:40	24.5
0416-8071-18	3/31/16	8:50	Fountain Rm 301A, Bldg. 3	4/6/16	8:40	<4
0416-8071-19	3/31/16	9:00	Bathroom Tap Rm 403, Bldg. 4 (Source Sample)	4/6/16	8:40	<4
0416-8071-20	3/31/16	9:04	Fountain Rm 404, Bldg. 4	4/6/16	8:40	<4
0416-8071-21	3/31/16	9:10	Teacher's Lounge Rm 421, Bldg. 4	4/6/16	8:40	<4
0416-8071-22	3/31/16	9:15	Drinking Fountain Rm 414, Bldg. 4	4/6/16	8:40	8.69
0416-8071-23	3/31/16	9:20	Rm 414 Sink, Bldg. 4	4/6/16	8:40	7.20
0416-8071-24	3/31/16	9:21	Rm 414 Sink, Bldg. 4 (Second Draw)	4/6/16	8:40	<4
0416-8071-25	3/31/16	9:26	Fountain by Rm 414A, Bldg. 4	4/6/16	8:40	<4
0416-8071-26	3/31/16	9:32	Rm 416 Culinary Prep Sink, Bldg. 4	4/6/16	8:40	<4
0416-8071-27	3/31/16	9:33	Rm 416 Culinary Prep Sink, Bldg. 4 (Second Draw)	4/6/16	8:40	<4
0416-8071-28	3/31/16	9:38	Nurses Office, Bldg. 4	4/6/16	8:40	<4
0416-8071-29	3/31/16	9:41	Rm 401 Fountain, Bldg. 4	4/6/16	8:40	<4
0416-8071-30	3/31/16	9:44	Rm 402 Fountain, Bldg. 4	4/6/16	8:40	4.64

ug/L=parts per billion (ppb)

Reviewed and Approved by:

Timothy P. Kroder, Laboratory Manager