Action Level is 1	o parts per	billion (ppt	0)
Fixture Location/Description	Fixture ID #	Test Date	Test Result (ppb)
Cafeteria - Sink	16_47659	8/5/2016	21.7
First Floor Boys Restroom - Sink	16_47660	8/5/2016	3.6
1st Floor Hall - Drinking Fountain	16_47661	8/5/2016	4.1
Room 2A - Sink	16_47662	8/5/2016	2.2
Second Floor Girls Restoom - Sink	16_47663	8/5/2016	0.9
Second Floor Girls Restoom - Sink	16_47664	8/5/2016	1.3
Room 21 - Sink	16_47665	8/5/2016	27.3
Room 21 - Sink	16_47666	8/5/2016	32.7
Room 21 - Sink	16_47667	8/5/2016	103.0
Room 21 - Sink	16_47668	8/5/2016	54.8
Cafeteria - Sink (retest)	16_70428	11/18/2016	24.0
Room 21 - Left Sink (retest)	16_70429	11/18/2016	9.0
Room 21 - Center Left Sink (retest)	16_70430	11/18/2016	2.0
Room 21 - Center Right Sink (retest)	16_70431	11/18/2016	25.0
Room 21 - Right Sink (retest)	16_70432	11/18/2016	3.0
Cafeteria - Sink (2nd retest)	17_03154	1/20/2017	4.0
Room 21 - Center Right Sink (2nd retest)	17_03155	1/20/2017	9.0



4120 SE International Way Suite A 110 Milwaukie, OR 97222

503.387.3251 PHONE 503.908.1318 FAX

www.trcsolutions.com

February 28, 2017

Mr. John W. Gilbert Facilities Manager Falls City School District #57 101 N. Main Street Falls City, OR 97344

Via email to: john.gilbert@fallscityschools.org

RE: Lead Water Testing Report

Falls City High School Building (Facility #101)

111 N. Main Street

Falls City, Oregon 97344

TRC Project: 262545

Mr. Gilbert:

At your request, TRC Environmental Corporation (TRC) performed lead in water testing at the Falls City School District High School Building located at 111 N. Main Street, in Falls City, Oregon.

Testing Procedures

Water testing was performed following the United States Environmental Protection Agency (USEPA) guidance document "3Ts for Reducing Lead in Drinking Water in Schools: Revised Technical Guidance." The 3Ts document provides an action limit of 20 parts per billion (ppb) for lead.

Samples were collected from cold water outlets on the interior of the building(s), including drinking fountains, kitchen food preparation sinks, classroom sinks, restroom sinks, mechanical room sinks, faculty lounge sinks, office sinks, plumbed refrigerator water outlets and water bottle refill stations. Any outlets that were broken or not in use at the time sampling was performed were documented as such and were not sampled.

A map of each school was annotated with the sample locations for each outlet and each sample number and location which were recorded on a Drinking Water Sample Data Sheet & Chain of Custody. Sampling for the District was conducted during the school week on Tuesday through Friday. Samples were collected using plastic 250 mL unpreserved bottles. The unpreserved bottles were preserved by the laboratory after receipt per the analytical method. During sample collection, each bottle was marked with a school identification code followed by the sample number (Ex. 101-01A, 101-01B). Water was sampled without touching the mouth of the container to the faucet filling the bottle to approximately one inch from the top.

February 28, 2017 TRC Project: 262545

Two samples were collected from each of the cold water outlets being tested. The first sample collected was the first draw sample (also called an A sample). The first draw sample is the first flow of water from the outlet into the bottle and represents the water standing in the fixture that would initially be consumed. The flush sample (also called a B sample) was collected into a new sample bottle 30 seconds after the water has been allowed to continuously flow from the outlet. The flush sample represents the water from the plumbing line behind the wall and outlet. Upon completion of a sampling event, the sample bottles were packaged and the Water Sample Data Sheet & Chain of Custody Record was signed and delivered with the samples to Edge Analytical, Inc., an independent third-party, accredited laboratory.

Laboratory and Analytical Method

Analysis for lead was performed by Edge Analytical, Inc. an Oregon drinking water accredited laboratory, using the EPA Method 200.8 for analysis.

Samples Collected and Results

The District identified a total of ten (10) water fixtures prior to conducting the flushing and sampling activities. Sampling was conducted on August 5, 2016. Of the ten (10) first draw samples collected, five (5) had results above the action level of greater than 15 parts per billion (ppb) for lead. The first draw results (A sample) which were at or greater than 15 ppb for lead are noted in the table below. A complete list of the analytical results noting all rooms and outlets sampled can be found in Appendix A.

Sample #	Location and Fixture Description	Analyte	Result	EPA Limit	FCSD Action Limit
101-01A	Cafeteria Sink	Lead	21.7 ppb	20 ppb	>15 ppb
001-07A	Room 21 – Sink Faucet	Lead	27.3 ppb	20 ppb	>15 ppb
001-08A	Room 21 – Sink Faucet	Lead	32.7 ppb	20 ppb	>15 ppb
001-09A	Room 21 – Sink Faucet	Lead	103 ppb	20 ppb	>15 ppb
001-10A	Room 21 – Sink Faucet	Lead	54.8 ppb	20 ppb	>15 ppb

ppb = parts per billion

EPA = Environmental Protection Agency

FCSD = Falls City School District

Recommendations

TRC recommended that the District suspend the use of the water at the five (5) fixtures listed in the table above and take action to lower the concentrations for lead to those fixtures by replacing the associated outlet and supply lines from the wall to the outlet and potentially the associated plumbing line behind the wall. In the interim, as recommended by the USEPA short-term control measures such as flushing the piping in the system at the fixtures noted above, every morning before the facility opens, can be conducted to remove water that has been standing in the interior pipes and or fixtures. Additionally, TRC recommended that those fixtures be suspended from use until after the associated outlet, supply line from the wall to the outlet and any necessary plumbing lines are replaced. Once the replacements are made, TRC recommended the District have the water from the new outlets re-sampled for lead to determine if the outlet, supply line and plumbing line replacement (as applicable) has resolved the issue prior to allowing these faucets to be used without the short-term control measures noted above. A copy of the sample location map can be found in Appendix B.

Follow-up Samples Collected and Results

Five of total 10 water fixtures were determined to be above the action level at the time sampling was conducted and are represented in the table above. The District elected not to analyze the B samples, and instead proceeded directly to replacing the fixtures at these locations. TRC performed follow-up sampling of the five previously elevated fixtures within this school building once the fixtures were replaced. Follow-up sampling was conducted on November 18, 2016 and January 20, 2017. Two of the five samples remained above the action level during the sampling event in November; however, it was reported that these two fixtures were most likely not used once they were replaced. District facilities personnel tagged these fixtures as not in use, but proceeded to utilize them the week prior to the sampling in January in order to mimic regular use. The fixtures were then allowed to set unused for 8-18 hours prior to sample collection on January 20, 2017. The samples for both fixtures were below the action level during the January 20th sampling event.

Conclusions

Based on the fixture replacement activities completed by District and follow-up sample results indicating all sample locations at this facility being below the action level, TRC offers not further recommendations at this time.

TRC appreciates the opportunity to provide you with environmental consulting services. We look forward to working with you on future endeavors. If you have any questions or comments concerning this report, please call TRC at (503) 387-3251.

Sincerely,

TRC Environmental Corporation

lasar Stare

Jason Stone

Industrial Hygienist

Ron Landolt

NW Region BSI Practice Manager

Non a July

February 28, 2017

TRC Project: 262545

February 28, 2017 TRC Project: 262545

Appendix A – Analytical Results



Burlington, WA Corporate Laboratory (a) 1620 S Weinut St. - Burlington, WA 98233 - **800.755.9295** · 360 757 1400

Bellingham, WA Microbiology (b) 605 Orchard Dr Sta 4 - Bellincham, WA 98225 - 360 715 121 Portland, OR Microbiology/Chemistry (c) 9150 SW Proneer C1 Ste W - Wilsonville, OR 97070 - 503 682,7802

Corvallis, OR Microbiology/Chemistry (d)

Bend, OR Microbiology (e)

20332 Empte Blvd Sta 4 - Bend, OR 97701 - 541 639 8425

Page 1 of 1

Project: 101 - High School

INORGANIC COMPOUNDS (IOC) REPORT FOR LEAD & COPPER

Client Name: TRC -

TRC - Milwaukie

4120 SE International Way

Suite A110

Milwaukie, OR 97222

System Name:

System ID Number:

DWP Source Number:

Multiple Sources:

Sample Type:

Sample Purpose: Investigative or Other

County:

Reference Number: 16-19602

Analyst: bj

Date Received: 8/5/2016

Report Date: 8/12/2016

Approved By: Ijh

Authorized by:

Thanh B Phan Lab Manager, Portland

Lab Number	Date Collected	Site / Location	EPA#	Analyte Name	Result	Units	AL	RL	METHOD	Lab	Comments
16_47659	8/5/2016	101-01A - cafeteria - sink	1030	LEAD	21.7	ppb	15	1	200.8	4072	
16_47660	8/5/2016	101-02A - ground floor men's restroom - sink	1030	LEAD	3.6	ppb	15	1	200.8	4072	
16_47661	8/5/2016	101-03A - 1st florr hall - drinking fountain	1030	LEAD	4.1	ppb	15	1	200.8	4072	
16_47662	8/5/2016	101-04A - room 2A - sink	1030	LEAD	2.2	ppb	15	1	200.8	4072	
16_47663	8/5/2016	101-05A - girls restroom- 1st floor sink	1030	LEAD	0.9	ppb	15	1	200.8	4072	
16_47664	8/5/2016	101-06A - 1st floor girl's restroom - sink	1030	LEAD	1.3	ppb	15	1	200.8	4072	
16_47665	8/5/2016	101-07A - room 21 - sink	1030	LEAD	27.3	ppb	15	1	200.8	4072	
16_47666	8/5/2016	101-08A - room 21 - sink	1030	LEAD	32.7	ppb	15	1	200.8	4072	
16_47667	8/5/2016	101-09A - room 21 - sink	1030	LEAD	103	ppb	15	1	200.8	4072	
16_47668	8/5/2016	101-10A - room 21 - sink	1030	LEAD	54.8	ppb	15	1	200.8	4072	

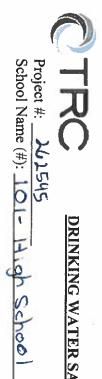
NOTES:

These test results meet all the requirements of NELAP, unless otherwise stated in writing, and relate only to these samples. If you have any questions concerning this report contact Lawrence J Henderson at the above phone number.

RL (Reporting Level): indicates the minimum reporting level.

AL Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper under the Lead and Copper Rule for public water systems. A blank MCL value indicates a level is not currently established

ND (Not Detected); indicates that the compound was not detected above the Reporting Level (RL).



Date of Sampling:

Date of Flush: 8/4

DRINKING WATER SAMPLE DATA SHEET & CHAIN OF CUSTOI 16-19602 Sampled By: Ron landelt

(DE) +	Pageof	18/5/16 DN	Condition of Samples: Acceptable: Yes No Comments: Miled	Accep Comm	Please hold all B samples and invoice TRC for Analysis	Please hold all B sample
	(Printed)	1700	AN INCOMEN	(Print)	13	For Landel
	Received by: (Signature)	P-5-16	Section de Disconnection de la constantion de la		ļ	(Prince)
	×	7	Cincinna Cincinna	-Delin	Date: Received by: (Signature)	Relinquished by: (Signature)
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	X					
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	×		०४।४			- 09B
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	X		0815		1	- 668
	×		08/4	1455	A Floor Girls Rostmon-Sink	- O6A
	×		0x /5		1	-058
	×		08/4	1455	Girl's Restrogon-19-ther Sint	,05A
	×		0812			840.
	×		0811	1453	Rem 2A-50人	-OHA
,	×		22.80		,	.038
	X		0810	145	1st Floor Hall- drinking Guntain	-03 A
	×		C%07			-028
	×		0806	374	P Plos Nen's Rostram - Sint	-02A
	×		0807			-01B
	×		0806	5441	Cateteria - Sink	101 - GIA
Laboratory Sample ID	Analysis – Pb by EPA 200.8 (250 mL Bottle)	Standing Time	Sample Time	Flush Time	Sample Location	Sample #



Burlington, WA Corporate Laboratory (a)
1620 S Walnut St. Burlington, WA 98233 - 800 756 9295 - 360 757 1400

Bellingham, WA Microbiology (b) 805 Orchard Er Ste 4 - Bellingham, WA 98225 - 360 715 1212 Portland, OR Microbiology/Chemistry (c) 9150 SW Proneer Ct Ste Will Wilsonville, OR 97070 - 503.582,7802

Corvallis, OR Microbiology/Chemistry (d) 540 SW Third Street: Convolte, DR 97333-541 753 4946

Bend, OR Microbiology (e)

20332 Empire Blvd Ste 4 - Bend, OR 97701 - 541 639 8425

Page 1 of 1

LEAD & COPPER RULE REPORT

Client Name:

TRC - Milwaukie

4120 SE International Way

Suite A110

Milwaukie, OR 97222

Reference Number: 16-28836

Project: 262545-Phase 2 Falls City

S.D.-High School Bldg

System Name:

System ID Number:

DWP Source Number: Multiple Sources:

Sample Type:

Sample Purpose: Investigative or Other

County:

Analyst: mvp

Date Received: 11/18/2016 Report Date: 11/23/2016

Approved By: bj

Authorized by:

Thanh B Phan Lab Manager, Portland

Lab Number	Date Collected	Site / Location	EPA#	Analyte Name	Result	Units	AL	RL	METHOD	Lab	Comments
16_70428	11/18/2016	101-01C - Cafeteria Sink	1030	LEAD	24	ppb	15	1	200.8	4072	
16_70429	11/18/2016	101-07C - Room 21 - Left Sink	1030	LEAD	9	ppb	15	1	200.8	4072	
16_70430	11/18/2016	101-08C - Room 21 - Center Left Sink	1030	LEAD	2	ppb	15	1	200.8	4072	
16_70431	11/18/2016	101-09C - Room 21 - Center Right Sink	1030	LEAD	25	ppb	15	1	200.8	4072	
16_70432	11/18/2016	101-10C - Room 21 - Right Sink	1030	LEAD	3	ppb	15	1	200.8	4072	
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NOTES:

These test results meet all the requirements of NELAP, unless otherwise stated in writing, and relate only to these samples. If you have any questions concerning this report contact Lawrence J Henderson at the above phone number.

RL (Reporting Level): indicates the minimum reporting level.

AL. Faderal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper under the Lead and Copper Rule for public water systems, A blank MCL value indicates a level is not currently established.

ND (Not Detected): indicates that the compound was not detected above the Reporting Level (RL).



DRINKING WATER SAMPLE DATA SHEET & CHAIN OF CUSTODY RECORD

Project #: 262545, Phase 2
School Name (#): Falls City S.D. – High School Building

Sampled By: Re-Concill

Date of Flush: 11/17/16

E

17/16 Date of Sampling: 11/14/11

(Printed)							101-10D	101-10C	101-09D	101-09C	101-08D	101-08C	101-07D	101-07C	101-01D	101-01C	Sample #
(Printed) (Printed)							" " " " " " " " " " " " " " " " " " "	Room 21 - Right Sink	tt tt	Room 21 - Center Right Sink	2	Room 21 - Center Left Sink	33 33	Room 21 - Left Sink	33	Cafeteria Sink	Sample Location
			70428 - 70432	6-28836			h): [4		1-1-1	17.10	1 - 1 -	_	11:11	1	- 1	- 17:10	Flush Time
Relinquished by: (Signature) (Printed) Condition of Samples: Acceptable: Yes No Comments:				<u>ි</u>		7:50	1.55	44.1	1:54	12.1	12:53	7:55	75.1	27.7	2 - 2	77.27	Sample Time
Date: //-21-/hg Time: //400																	Standing Time
Redeived by (Signature) (Printed) (Printed) Page 1 of 1						(Pb) – Lead	(Pb) – Lead	(Pb) – Lead	(Pb) – Lead	(Pb) – Lead	(Pb) - Lead	(Pb) – Lead	(Pb) – Lead	$ 1 \rangle$	(Pb) – Lead	(250 mL Bottle)	Analysis – Pb EPA 200.8
Lewis 130°C																Own pre Add	Laboratory Sample ID

ACI di Pipa 11/18/16 @ 11:30



Burlington, WA Corporate Laboratory (e) 1620 S Walnut St. - Burlington, WA 98233 - 809 755 8295 - 360 757 1400

Bellingham, WA Microbiology (b) 805 Orchard Dr Ste 4 - Bellingham, WA 98225 - 360 715.12 Portland, OR Microbiology/Chemistry (c) 9150 SW Proneer Ct Ste Will Wilsonville, OR 97070 - 503 682,7802

Corvallis, OR Microbiology/Chemistry (d) 540 SW Thad Street - Corvellis, OR 97333 - 541 763 4946

Bend, OR Microbiology (e)

20332 Empire Blvd Sle 4 Bend OR 97701 - 541 639 8425

Page 1 of 1

LEAD & COPPER RULE REPORT

Client Name:

TRC - Milwaukie

4120 SE International Way

Suite A110

Milwaukie, OR 97222

Reference Number: 17-01356

Project: 262545- Falls City SD -

High School, Phase 3

System Name:

System ID Number:

DWP Source Number: Multiple Sources:

Sample Type:

Sample Purpose: Investigative or Other

County:

Analyst: bj

Date Received: 1/20/2017

Report Date: 1/24/2017

Approved By: anp

Authorized by:

Colin P.O'Dwyer Chemist/Microbiologist

Lab Number	Date Collected	Site / Location	EPA#	Analyte Name	Result	Units	AL	RL	METHOD	Lab	Comments
17_03154	1/20/2017	101-01E - Cafeteria Sink	1030	LEAD	4	ppb	15	1	200.8	4072	
17_03155	1/20/2017	101-09E - Room 21 - Center Right Sink	1030	LEAD	9	ppb	15	1	200.8	4072	
		5.					:				
					ı						
									:		

NOTES:

These test results meet all the requirements of NELAP, unless otherwise stated in writing, and relate only to these samples. If you have any questions concerning this report contact Lawrence J Henderson at the above phone number.

RL (Reporting Level): indicates the minimum reporting level.

AL Federal Action Levels are 0.015 mg/L for Lead and 1.3 mg/L for Copper under the Lead and Copper Rule for public water systems. A blank MCL value indicates a level is not currently established

ND (Not Detected): indicates that the compound was not detected above the Reporting Level (RL).



DRUNKING WATER SAMPLE DATA SHEET & CHAIN OF CUSTODY RECORD 17-01356 Phase 3 Sampled By: Re. Landelf Date of Sampling: 1/20/17

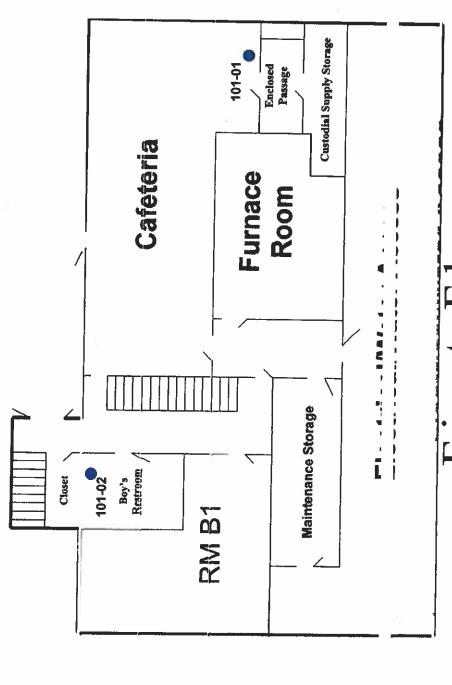
Project #: 262545, Phase 3
School Name (#): Falls City S.D. - High School

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(Printed)	Received by Sugarante																	ht Sink			Sample Location
 	Reli)																			Flush Time
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Time:	Date:																				Standing Time
)	nd by: (Signature)																1	1 1	(Ph) I cad	(and poure)	Analysis - Pb EPA 200.8
																					Laboratory Sample ID
	(S: Preserved (Nitric Acid) or Unpreserved Turner Time (Printed)	Received by: (Signature) (Printed) (Printed) (Printed) (Printed) (Printed) (Printed)	shigh by: (Signature) Date: Received by: (Signature) Printed) Printed Pri	sligd by: (Signature) Date: Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contact Contac	Signature) Date: Received by: (Signature)	Signature) Date: Received by: (Signature) Ladi	Signature) Date: Control Contro	Sted by: (Signature) Date: Received by: (Signature) (Light Printed) Coudeff 10:10 Control 10:10 C	Signature) Date: Date: Received by: (Signature) Printed) Redimquished by: (Signature) Printed) Printed) Printed) Time: Printed) Printed) Time: Printed) Time: Printed) Printed)	Signature) Date: Control Chines Chines	Signature) Date: Canadit Control Contr	Abodit (Nitric Acid) or Untreserved Thronound Throught (Signature) St. Preserved (Nitric Acid) or Untreserved Thronound Throught (Signature) St. Preserved (Nitric Acid) or Untreserved Thronound Throught (Signature) St. Preserved (Nitric Acid) or Untreserved Thronound Throught (Printed) Time: (Printed)	Signature) Date: Received by: (Signature) Date: Da	Signature) Date: Canada	abyd by: (Signature) Date: Received by: (Signature) Date: Preserved (Nitric Acid) or Unpreserved Threatened Threatened (Princed) Received by: (Signature) Received by: (Signature) Princed) Time: (Princed)	abyd by: (Signature) Date: (Printed) Preserved (Nitric Acid) or Unpreserved Thomson and Time (Printed) (Printed) Time: (Printed) Time: (Printed) Time: (Printed)	Signature) Date: Received by (Signature) Control Chinese C	Signature) Date: Control Contr	101-09F Room 21 - Center Right Sink 4:-45 (Pb) - Lead 4:-45 (Pb) - Lead 4:-46 (Pb) - Lead 4:	101-01	101-01E Caliceria Sink 9-42 Pb) - Lead 101-09E Room 21 - Center Right Sink 9:45 Pb) - Lead 4:45 Pb) - Lead 101-09F Phone Pho

February 28, 2017 TRC Project: 262545

Appendix B - Sample Location Map(s)

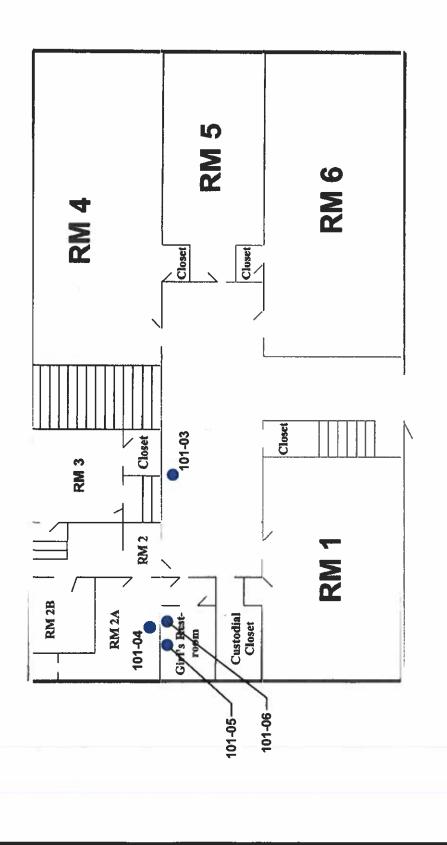
High School



First Floor

LEGEND	ASB	ASBESTOS SURVEY REPORT	PORT	
	₩.	SAMPLE LOCATION MAP	AP	
Urinking Water Sample Location	FALLS CITY SCHO	FALLS CITY SCHOOL DISTRICT - LIBRARY/SCIENCE BUILDING	SCIENCE BUILDING	
	uc	111 NORTH MAIN STREET FALLS CITY, OREGON 97344	44)
	TRC Project No.: 262545		Figure: 1	4120 SE International Way, Suite A110
	Drawn by: MC	Checked by: RL	Date: 2/28/17	Miwaukie, Oregon 97222 Phone: (503) 387-3251 Fax: (503) 908-1318

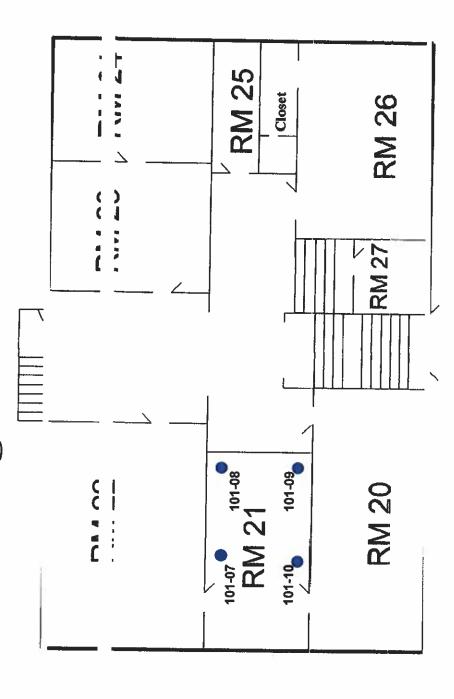
High School



Second Floor

TEGEND	ASB	ASBESTOS SURVEY REPORT	PORT	
	SA	SAMPLE LOCATION MAP	AP	
 Drinking Water Sample Location 	FALLS CITY SCHOO	FALLS CITY SCHOOL DISTRICT - LIBRARY/SCIENCE BUILDING	SCIENCE BUILDING	
	14	FALLS CITY, OREGON 97344	144	
	TRC Project No.: 262545		Figure: 2	4120 SE International Way, Suite A110
	Drawn by: MC	Checked by: RL	Date: 2/28/17	Phone: (503) 387-3251 Fax: (503) 908-1318

High School



Third Floor

LEGEND	ASBI	ASBESTOS SURVEY REPORT	PORT	
	SA	SAMPLE LOCATION MAP	AP	
 Drinking Water Sample Location 	FALLS CITY SCHOO	FALLS CITY SCHOOL DISTRICT - LIBRARY/SCIENCE BUILDING	SCIENCE BUILDING	
	F/	FALLS CITY, OREGON 97344	- 44)
	TRC Project No.: 262545		Figure: 3	4120 SE International Way, Suite A110
	Drawn by: MC	Checked by: RL	Date: 2/28/17	Phone: (503) 387-3251 Fax: (503) 908-1318