Appendix E

WATER QUALITY TEST REPORT





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NIT TEST PANEL (Nitrate/Nitrite) Report of Analysis

Date Collected: 06/06/12	System Group Type: ☑ A ☐ B ☐ Other:					
Water System ID Number: 28300Y	System Name: City of Gold Bar					
LabSample No: 066 08300	County: Snohomish					
Sample Location: Tank Road	Source Number(s): S03/S04					
Sample Purpose: (Check Appropriate Box) ☑ RC - Routine/Compliance (satisfies monitoring requirements) ☐ C - Confirmation (confirmation of chemical result) ☐ - I - Investigative (does not satisfy monitoring requirements) ☐ - O - Other (specify)	Date Received: 06/06/12 Date Analyzed: 6/ 8/12 Date Reported: 11/18/13 Comments:					
Sample Composition: (Check Appropriate Box) ☐ S - Single Source ☑ B - Blended (List Multiple Source Numbers in Source Nos. field) ☐ C - Composite (Specify in Comments Field) ☐ D - Distribution Sample	Sample Type: (Check One) ☐ Pre-Treatment/Raw ☐ Post-Treatment/Finished ☐ Unknown Sample Collected by: Richard Baker Phone Number:					
Send Report To: City of Gold Bar 107 5th Street Gold Bar, WA 98251	Bill To: Richard Baker 107 5th Street Gold Bar, WA 98251					

EPA Regulated AND STATE REGULATED OR REQUIRED

EFA REGULATED OR REQUIRED								
DOH#	Analytes	Results	Units	SRL	Trigger	MCL	MCL Exceeded? (Check only if YES)	Method/Analyst
20	Nitrate	ND	mg/l	0.5	5	10		SM-4500-NO3-F /MO
114	Nitrite	ND	mg/l	0.1	0.5	1		EPA 300.0 /MO
161	Nitrate + Nitrite	ND	mg/l	0.5		10		EPA 353.2 /

NOTES

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH)

Trigger Level: DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level are required to take additional samples. Contact your regenional DOH office for further information.

MCL (Maximum Contaminant Level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was no included in the current analysis.

ND (Not Detected): in the results column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL.

<(0.001): indicates the compound was not detected in the sample at or above the concentration indicated.



AR TEST PANEL (Arsenic by EPA 200.8) Report of Analysis

Date Collected: 09/05/12	System Group Type: ☑ A ☐ B ☐ Other:					
Water System ID Number: 28300Y	System Name: City of Gold Bar					
LabSample No: 066 13338	County: Snohomish					
Sample Location: Tank Road	Source Number(s): S03,S04					
Sample Purpose: (Check Appropriate Box) ☑ RC - Routine/Compliance (satisfies monitoring requirements) ☐ C - Confirmation (confirmation of chemical result) ☐ - I - Investigative (does not satisfy monitoring requirements) ☐ - O - Other (specify)	Date Received: 09/05/12 Date Analyzed: 9/10/12 Date Reported: 11/18/13 Comments:					
Sample Composition: (Check Appropriate Box) ☐ S - Single Source ☑ B - Blended (List Multiple Source Numbers in Source Nos. field) ☐ C - Composite (Specify in Comments Field) ☐ D - Distribution Sample	Sample Type: (Check One) ☐ Pre-Treatment/Raw ☐ Post-Treatment/Finished ☐ Unknown Sample Collected by: Richard Baker Phone Number:					
Send Report To: City of Gold Bar 107 5th St Gold Bar, WA 98251	Bill To: Richard Baker 107 5th St Gold Bar, WA 98251					

EPA Regulated AND STATE REGULATED OR REQUIRED

DOH#	Analytes	Results	Units	SRL	Trigger	MCL	MCL Exceeded? (Check only if YES)	Method/Analyst
4	Arsenic	5.88	ug/L	1.40	5.00	10.0		EPA 200.8 /CG

NOTES:

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH)

Trigger Level: DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level are required to take additional samples. Contact your regenional DOH office for further information.

MCL (Maximum Contaminant Level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was no included in the current analysis.

ND (Not Detected): in the results column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL.

<(0.001): indicates the compound was not detected in the sample at or above the concentration indicated.



NIT TEST PANEL (Nitrate/Nitrite) Report of Analysis

Date Collected: 09/05/12	System Group Type: ☑ A ☐ B ☐ Other:					
Water System ID Number: 28300Y	System Name: City of Gold Bar					
LabSample No: 066 13338	County: Snohomish					
Sample Location: Tank Road	Source Number(s): S03,S04					
Sample Purpose: (Check Appropriate Box) ☐ RC - Routine/Compliance (satisfies monitoring requirements) ☐ C - Confirmation (confirmation of chemical result) ☐ - I - Investigative (does not satisfy monitoring requirements) ☐ - O - Other (specify)	Date Received: 09/05/12 Date Analyzed: 9/ 7/12 Date Reported: 11/18/13 Comments:					
Sample Composition: (Check Appropriate Box) ☐ S - Single Source ☑ B - Blended (List Multiple Source Numbers in Source Nos. field) ☐ C - Composite (Specify in Comments Field) ☐ D - Distribution Sample	Sample Type: (Check One) ☐ Pre-Treatment/Raw ☐ Post-Treatment/Finished ☐ Unknown Sample Collected by: Richard Baker Phone Number:					
Send Report To: City of Gold Bar 107 5th St Gold Bar, WA 98251	Bill To: Richard Baker 107 5th St Gold Bar, WA 98251					

EPA Regulated AND STATE REGULATED OR REQUIRED

DOH#	Analytes	Results	Units	SRL	Trigger	MCL	MCL Exceeded? (Check only if YES)	Method/Analyst
20	Nitrate	ND	mg/l	0.5	5	10		SM-4500-NO3-F /MO
114	Nitrite	ND	mg/l	0.1	0.5	1		EPA 300.0 /MO
161	Nitrate + Nitrite	ND	mg/l	0.5		10		EPA 353.2 /

NOTES

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH)

Trigger Level: DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level are required to take additional samples. Contact your regenional DOH office for further information.

MCL (Maximum Contaminant Level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was no included in the current analysis.

ND (Not Detected): in the results column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL.

<(0.001): indicates the compound was not detected in the sample at or above the concentration indicated.



AR TEST PANEL (Arsenic by EPA 200.8) Report of Analysis

Date Collected: 12/05/12	System Group Type: ☑ A ☐ B ☐ Other:					
Water System ID Number: 28300Y	System Name: City of Gold Bar					
LabSample No: 066 18428	County: Snohomish					
Sample Location: Tank Road	Source Number(s): S04/S03					
Sample Purpose: (Check Appropriate Box) ☐ RC - Routine/Compliance (satisfies monitoring requirements) ☐ C - Confirmation (confirmation of chemical result) ☐ - I - Investigative (does not satisfy monitoring requirements) ☐ - O - Other (specify)	Date Received: 12/05/12 Date Analyzed: 12/ 6/12 Date Reported: 11/18/13 Comments:					
Sample Composition: (Check Appropriate Box) ☑ S - Single Source ☐ B - Blended (List Multiple Source Numbers in Source Nos. field) ☐ C - Composite (Specify in Comments Field) ☐ D - Distribution Sample	Sample Type: (Check One) ☐ Pre-Treatment/Raw ☐ Post-Treatment/Finished ☐ Unknown Sample Collected by: Richard Baker Phone Number:					
Send Report To: City of Gold Bar 107 5th St Gold Bar, WA 98251	Bill To: Richard Baker 107 5th St Gold Bar, WA 98251					

EPA Regulated AND STATE REGULATED OR REQUIRED

DOH#	Analytes	Results	Units	SRL	Trigger	MCL	MCL Exceeded? (Check only if YES)	Method/Analyst
4	Arsenic	6.88	ug/L	1.40	5.00	10.0		EPA 200.8 /CG

NOTES:

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH)

Trigger Level: DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level are required to take additional samples. Contact your regenional DOH office for further information.

MCL (Maximum Contaminant Level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was no included in the current analysis.

ND (Not Detected): in the results column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL.

<(0.001): indicates the compound was not detected in the sample at or above the concentration indicated.



AR TEST PANEL (Arsenic by EPA 200.8) Report of Analysis

Date Collected: 03/21/13	System Group Type: ☑ A ☐ B ☐ Other:					
Water System ID Number: 28300Y	System Name: City of Gold Bar					
LabSample No: 066 03430	County: Snohomish					
Sample Location: Tank Road	Source Number(s): S03/S04					
Sample Purpose: (Check Appropriate Box) ☑ RC - Routine/Compliance (satisfies monitoring requirements) ☐ C - Confirmation (confirmation of chemical result) ☐ - I - Investigative (does not satisfy monitoring requirements) ☐ - O - Other (specify)	Date Received: 03/21/13 Date Analyzed: 3/22/13 Date Reported: 11/18/13 Comments:					
Sample Composition: (Check Appropriate Box) ☐ S - Single Source ☑ B - Blended (List Multiple Source Numbers in Source Nos. field) ☐ C - Composite (Specify in Comments Field) ☐ D - Distribution Sample	Sample Type: (Check One) ☐ Pre-Treatment/Raw ☐ Post-Treatment/Finished ☐ Unknown Sample Collected by: Richard Baker Phone Number:					
Send Report To: City of Gold Bar 107 5th St Gold Bar, WA 98251	Bill To: Richard Baker 107 5th St Gold Bar, WA 98251					

EPA Regulated AND STATE REGULATED OR REQUIRED

DOH#	Analytes	Results	Units	SRL	Trigger	MCL	MCL Exceeded? (Check only if YES)	Method/Analyst
4	Arsenic	6.36	ug/L	1.40	5.00	10.0		EPA 200.8 /CG

NOTES:

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH)

Trigger Level: DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level are required to take additional samples. Contact your regenional DOH office for further information.

MCL (Maximum Contaminant Level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was no included in the current analysis.

ND (Not Detected): in the results column indicates this compound was analyzed and not detected at a level greater than or equal to the SRI.

<(0.001): indicates the compound was not detected in the sample at or above the concentration indicated.



AR TEST PANEL (Arsenic by EPA 200.8) Report of Analysis

Date Collected: 06/20/13	System Group Type: ☑ A ☐ B ☐ Other:					
Water System ID Number: 28300Y	System Name: City of Gold Bar					
LabSample No: 066 07847	County: Snohomish					
Sample Location: Tank Road	Source Number(s): S03					
Sample Purpose: (Check Appropriate Box) ☐ RC - Routine/Compliance (satisfies monitoring requirements) ☐ C - Confirmation (confirmation of chemical result) ☐ - I - Investigative (does not satisfy monitoring requirements) ☐ - O - Other (specify)	Date Received: 06/20/13 Date Analyzed: 6/21/13 Date Reported: 11/18/13 Comments:					
Sample Composition: (Check Appropriate Box) ☑ S - Single Source ☐ B - Blended (List Multiple Source Numbers in Source Nos. field) ☐ C - Composite (Specify in Comments Field) ☐ D - Distribution Sample	Sample Type: (Check One) ☐ Pre-Treatment/Raw ☐ Post-Treatment/Finished ☐ Unknown Sample Collected by: Richard Baker Phone Number: 360-793-1101					
Send Report To: City of Gold Bar 107 5th St Gold Bar, WA 98251	Bill To: Richard Baker 107 5th St Gold Bar, WA 98251					

EPA Regulated AND STATE REGULATED OR REQUIRED

DOH#	Analytes	Results	Units	SRL	Trigger	MCL	MCL Exceeded? (Check only if YES)	Method/Analyst
4	Arsenic	ND	ug/L	1.40	5.00	10.0		EPA 200.8 /CG

NOTES:

SRL (State Reporting Level): indicates the minimum reporting level required by the Washington Department of Health (DOH)

Trigger Level: DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level are required to take additional samples. Contact your regenional DOH office for further information.

MCL (Maximum Contaminant Level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was no included in the current analysis.

ND (Not Detected): in the results column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL.

<(0.001): indicates the compound was not detected in the sample at or above the concentration indicated.



AR TEST PANEL (Arsenic by EPA 200.8) Report of Analysis

Date Collected: 09/10/13	System Group Type: ☑ A ☐ B ☐ Other:			
Water System ID Number: 28300Y	System Name: City of Gold Bar			
LabSample No: 066 12938	County: Snohomish			
Sample Location: 505 Croft Ave	Source Number(s): S03 & S04 Blend			
Sample Purpose: (Check Appropriate Box) ☑ RC - Routine/Compliance (satisfies monitoring requirements) ☐ C - Confirmation (confirmation of chemical result) ☐ - I - Investigative (does not satisfy monitoring requirements) ☐ - O - Other (specify)	Date Received: 09/10/13 Date Analyzed: 9/11/13 Date Reported: 11/18/13 Comments:			
Sample Composition: (Check Appropriate Box) ☐ S - Single Source ☑ B - Blended (List Multiple Source Numbers in Source Nos. field) ☐ C - Composite (Specify in Comments Field) ☐ D - Distribution Sample	Sample Type: (Check One) ☐ Pre-Treatment/Raw ☐ Post-Treatment/Finished ☐ Unknown Sample Collected by: Richard Baker Phone Number:			
Send Report To: City of Gold Bar 107 5th St Gold Bar, WA 98251	Bill To: Richard Baker 107 5th St Gold Bar, WA 98251			

EPA Regulated AND STATE REGULATED OR REQUIRED

	DOH#	Analytes	Results	Units	SRL	Trigger	MCL	MCL Exceeded? (Check only if YES)	Method/Analyst
4	4	Arsenic	6.44	ug/L	1.40	5.00	10.0		EPA 200.8 /CG

NOTES:

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Trigger Level: DOH Drinking Water response level. Systems with compounds detected at concentrations in excess of this level are required to take additional samples. Contact your regenional DOH office for further information.

MCL (Maximum Contaminant Level): If the contaminant amount exceeds the MCL, immediately contact your regional DOH office.

NA (Not Analyzed): in the results column indicates this compound was no included in the current analysis.

ND (Not Detected): in the results column indicates this compound was analyzed and not detected at a level greater than or equal to the SRL.

<(0.001): indicates the compound was not detected in the sample at or above the concentration indicated.



Drinking Water Report for IOC's

Date Collected: 11/04/13	System Group Type: ☑ A ☐ B ☐ Other:		
Water System ID Number: 28300Y	System Name: City of Gold Bar		
LabSample No: 066 16331	County: Snohomish		
Sample Location: TANK ROAD	Source Number(s): S03-S04		
Sample Purpose: (Check Appropriate Box) ☑ RC - Routine/Compliance (satisfies monitoring requirements) ☐ C - Confirmation (confirmation of chemical result) ☐ - I - Investigative (does not satisfy monitoring requirements) ☐ - O - Other (specify)	Date Received: 11/04/13 Date Analyzed: 11/ 4/13 Nitrates Date Reported: 11/18/13 Comments:		
Sample Composition: (Check Appropriate Box) □ S - Single Source □ B - Blended (List Multiple Source Numbers in Source Nos. field) □ C - Composite (Specify in Comments Field) □ D - Distribution Sample	Sample Type: (Check One) ☐ Pre-Treatment/Raw ☐ Post-Treatment/Finished ☐ Unknown Sample Collected by: RICHARD BAKER Phone Number: 360-793-1101		
Send Report To: City of Gold Bar 107 5th St Gold Bar, WA 98251	Bill To: RICHARD BAKER 107 5th St Gold Bar, WA 98251		

EPA Regulated AND STATE REGULATED OR REQUIRED

	EPA REGULATED OR REQUIRED							
DOH#	Analytes	Results	Units	SRL	Trigger	MCL	MCL Exceeded? (Check only if YES)	Method/Analyst
4	Arsenic	0.0052	mg/l	0.0014	0.005	0.01		EPA 200.8 /CG
5	Barium	ND	mg/l	0.1	2	2		EPA 200.8 /CG
6	Cadmium	ND	mg/l	0.001	0.005	0.005		EPA 200.8 /CG
7	Chromium	ND	mg/l	0.007	0.1	0.1		EPA 200.8 /CG
11	Mercury	ND	mg/l	0.0002	0.002	0.002		EPA 245.1 /EB
12	Selenium	ND	mg/l	0.002	0.05	0.05		EPA 200.8 /CG
110	Beryllium	ND	mg/l	0.0003	0.004	0.004		EPA 200.8 /CG
112	Antimony	ND	mg/l	0.003	0.006	0.006		EPA 200.8 /CG
113	Thallium	ND	mg/l	0.001	0.002	0.002		EPA 200.8 /CG
116	Total Cyanide	ND	mg/l	0.01	0.2	0.2		EPA 335.4 /EB
19	Fluoride	ND	mg/l	0.5	4	4		EPA 300.0 /EB
114	Nitrite	ND	mg/l	0.1	0.5	1		EPA 300.0 /EB
20	Nitrate	ND	mg/l	0.5	5	10		SM-4500-NO3-F /EB
161	Nitrate + Nitrite	ND	mg/l	0.5	5	10		EPA 353.2 /
8	Iron	ND	mg/l	0.1		0.3		EPA 200.7 /CG
10	Manganese	0.014	mg/l	0.01		0.05		EPA 200.8 /CG
13	Silver	ND	mg/l	0.1		0.1		EPA 200.8 /CG
21	Chloride	ND	mg/l	20		250		EPA 300.0 /EB
22	Sulfate	ND	mg/l	50		250		EPA 300.0 /EB

LAB SAMPLE NO: 066--16331 DW ANALYSIS REPORT PAGE 2

DOH#	Analytes	Results	Units	SRL	Trigger	MCL	MCL Exceeded? (Check only if YES)	Method/Analyst
24	Zinc	ND	mg/l	0.2		5		EPA 200.8 /CG
14	Sodium	21.	mg/l	5				EPA 200.7 /CG
15	Hardness (CaCO3)	46.	mg/l	10				EPA 200.7 calc /CG
16	Conductivity	210	umhos/cm	70		700		EPA 120.1 /JM
17	Turbidity	0.20	NTU	0.1				SM 2130B /JM
18	Color	ND	unit	15		15		EPA 110.2 /JM
26	Total Dissolved Solids	120	mg/l	100		500		SM 2540C /MB
111	Nickel	ND	mg/l	0.005				EPA 200.8 /CG
9	Lead	ND	mg/l	0.001	0.015	0.015		EPA 200.8 /CG
23	Copper	ND	mg/l	0.02	1.3	1.3		EPA 200.8 /CG
409	pH	6.7	unit					SM 4500HB /JM

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<(0.001): indicates the compound was not detected in the sample at or above the concentration indicated.

HARDNESS						
GRAINS/GAL	mg/L (ppm)	RESULT				
0 to 1	0 to 17.1	SOFT				
1 to 3.5	17.1 to 60	SLIGHTLY HARD				
3.5 to 7.0	60 to 120	MODERATELY HARD				
7.0 to 10.5	120 to 180	HARD				
>10	> 180	VERY HARD				

*NOTE: To convert grains/gal to ppm, multiply grains times 17.1
To convert ppm to grains/gal, divide ppm by 17.1.