Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-1D
Date: 3/18/08 Time: ~~1115~~ 1245

Screen Interval: 326 to 336
Static Water Level 22.46

Pump Sample depth: 331

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1250	0	500	0	15.52		540		2.85		6.35		78.9		6.71		22.57	0.11
1255	5	500	2.5	15.37	0.97	503	7.09	2.58	9.99	7.45	0.90	72.2	8.86	6.34	<10NTU		
1300	10	500	5.0	15.27	0.35	493	2.00	2.53	1.95	7.84	0.39	70.5	2.38	5.12	<10NTU	22.59	0.13
1305	15	500	7.5	15.30	0.19	490	0.61	2.50	1.19	7.87	0.03	70.1	0.56	7.16	<10 NTU	22.58	0.12
1310	20	500	10.0	15.36	0.39	487	0.61	2.49	0.40	7.89	0.02	69.9	0.28	7.63	<10NTU		
1315	25	500	12.5	15.35	0.07	489	0.40	2.50	0.40	7.90	0.01	69.7	0.29	6.54	<10NTU	22.60	0.14
1320	30	500	15.0	15.38	0.23	490	0.20	2.51	0.41	7.90	0	69.9	0.28	6.82	<10NTU	22.58	0.12
																	0.12
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-1D
Sample Date and Time: 3/18/08 1350
Sampler: Corey J. Stinson

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: 60

Dedicated		BP-Large or Small
2		Cycles per Minute
200		Pressure (PSI)
10		Refill Time
30		Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments: Used nitrogen gas cylinder for sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-1I1
Date: 3/18/08 Time: 1005

Screen Interval: 125 to 145
Static Water Level 22.50

Pump Sample depth: 135

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1010	0	500	0	15.57		810		4.46		7.62		59.5		6.54			
1015	5	500	2.5	15.11	2.99	968	17.7	0.37	169.3	7.42	0.2	69.7	15.78	7.13	<10NTU		
1020	10	500	5.0	15.11	0	972	0.41	0.32	14.5	7.41	0.01	71.8	2.96				
1025	15	500	7.5	15.11	0	975	0.30	0.33	3.07	7.40	0.01	72.04	0.83	8.10	<10NTU		
1030	20	500	10.0	15.11	0	977	0.21	0.32	3.08	7.42	0.02	72.7	0.41	6.79	<10NTU		
1035	25	500	12.5	15.10	0.06	978	0.10	0.33	3.08	7.40	0.02	73.0	0.41	7.87	<10NTU		
1040	30	500	15.0	15.12	0.12	978	0	0.34	2.98	7.41	0.01	73.2	0.27	7.81	<10NTU		
1045	35	500	17.5	15.11	0.06	978	0	0.35	2.89	7.41	0	73.5	0.40	6.99	<10NTU		
1050	40	500	20.0	15.09	0.44	978	0	0.35	0	7.41	0	73.7	0.27	7.45	<10NTU		
1055	45	500	22.5	15.09		979		0.36		7.40	0.01	73.9	0.28	7.63	<10NTU		
1100	50	500	25.0									73.9 PB					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-1I1 **Sample Date and Time:** 3/18/08 1120 **Sampler:** C. STRAUSS Craig J. Strauss

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7.8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
None	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 56

Dedicated		BP-Large or Small
2		Cycles per Minute
90		Pressure (PSI)
14		Refill Time
16		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-1I2
Date: 4/10/08 Time: 10:00

Screen Interval: 215 tp 235
Static Water Level 102.91

Pump Sample depth: 225

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1015		Start	pumping														
1018	0	500	Ø														
1023	5	500		15.20		347		0.71		8.14		-68.9		32.71		103.2	
1028	10	500	5	15.11	0.59	338	2.6	0.58	20.2	8.03	0.11	-63.2		34.35	4.9	103.2	
1033	15	500		15.18	0.5	337	0.3	0.54	7.1	8.03	Ø	-59.4		28.34	19.2	103.4	
1038	20	500	10	15.25	0.5	337	Ø	0.54	Ø	8.02	0.01	-56.1	4.3	26.42	7.0	103.2	
1043	25	500		15.13	0.8	338	0.3	0.53	1.9	8.02	Ø	-53.6		16.76	44.7	103.3	
1048	30	500	15	15.21	0.5	339	0.3	0.54	1.9	8.02	Ø	-51.6		12.67	27.8	103.3	
1053	35	500		15.24	0.2	339	Ø	0.54	Ø	8.01	0.01	-50.0	1.6	10.78	16.1	103.3	
1058	40	500	20	15.29	0.3	339	Ø	0.54	Ø	8.01	Ø	-48.4	1.6	10.68	0.9		
1103	45	500		15.28	0.1	340	0.3	0.54	Ø	8.03	0.02	-47.2	1.2	7.88	~~28.0~~		
1108	50	500	25	15.23	0.3	342	0.6	0.56	3.6	8.04	0.01	-45.8		6.84	~~10.1~~	~~103.2~~	
1113	55	500		15.37	0.9	342	Ø	0.55	1.9	8.04	Ø	-44.3		6.52		103.2	.29
1118	60	500	30	15.35	0.1	341	0.3	0.56	1.9	8.05	0.01	-43.5		6.48			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-1I2 **Sample Date and Time:** 4/10/08 1115 **Sampler:** Royanne Barringer

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:

		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: gas compressor

Dedicated		
		BP-Large or Small
	2	Cycles per Minute
	90	Pressure (PSI)
	18	Refill Time
	12	Discharge time

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

Comments:

Installed pump ~ 1/2 hr before sampling.

Nearby ag well sounds like it is running, water level ~ 3' lower than measured 4/8

3 Consecutive stable readings before sampling

Field Review: _____ QAQC Review: _____

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-1S
Date: 3/18/08 Time: 0850

Screen Interval: 20 to 40
Static Water Level 21.13

Pump Sample depth: 33

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
0840	0	500	0	14.18		1570		7.27		6.67		68.3		0.54		21.35	0.22
0845	5	500	2.5	14.26	0.56	1551	1.21	6.85	5.94	6.68	0.01	58.2	15.96				
0850	10	500	5.0	14.31	0.35	1553	0.12	6.82	0.43	6.68	0	58.8	1.02	1.06	<10NTU	21.34	0.21
0855	15	500	7.5	14.33	0.13	1558	0.32	6.86	0.58	6.68	0	61.1	3.83	0.98	<10NTU		
0900	20	500	10.0	14.35	0.13	1560	0.13	6.81	0.73	6.69	0.01	63.4	3.69	0.76	<10NTU	21.35	0.22
0905	25	500	12.5	14.41	0.41	1560	0	6.70	1.63	6.69	0	66.9	5.37			21.34	0.21
0910	30	500	15.0	14.39	0.14	1560	0	6.74	0.59	6.70	0.01	71.1	6.06	0.91	<10NTU		
0915	35	500	17.5	14.40	0.06	1560	0	6.69	0.74	6.69	0.01	73.6	3.46	0.82	<10NTU	21.36	0.23
0920	40	500	20.0	14.34	0.41	1561	0.06	6.65	0.59	6.70	0.01	77.4	5.03	0.94	<10NTU		
0925	45	500	22.5	14.38		1560	0.06	6.67	0.30	6.70	0	79.8	3.05	0.61	<10NTU	21.38	0.25
0930	50	500	25.0	14.41		1560		6.66		6.70	0	80.9	1.36	0.86	<10NTU		
																	.28
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-1S **Sample Date and Time:** 3/18/08 0950 **Sampler:** C STRAUSS Cory J. Strauss

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID: B/W-1S

	Duplicate
X	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 49

Dedicated		BP-Large or Small
2		Cycles per Minute
30		Pressure (PSI)
21		Refill Time
9		Discharge time

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-2D
Date: 3/19/08 Time: 800

Screen Interval: 125 to 145
Static Water Level 19.26

Pump Sample depth: 135

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
800	0	480	.0	13.75		253		.23		6.58		108.1		4.03		19.30	
805	5	480	~~2.25~~	13.93	-3.13	251	.79	.11	70	7.16	.28	105.3	5.8	1.91	71.3	18.30	
810	10	480	~~4.5~~	13.98	-.35	250	.40	.09	20	7.52	.36	105.9	-.6	.64	99.6	19.30	
815	15	480	7.2	14.03	-.36	251	.40	.12	-28.6	7.63	.11	104.6	1.3	.20	-8.95	19.30	
820	20	480	9.6	14.06	-.21	253	.79	.13	-8	7.69	.06	94.8	9.8	.55	24	19.30	
825	25	480	12.0	14.07	-.07	254	.39	.15	32	7.70	.01	88.6	13.8	.43	24.5	19.30	
830	30	480	14.4	14.05	.14	254	0	.19	23.5	7.71	.01	80.4	8.2	.45	-4.8	19.30	
835	35	480	16.8	14.09	-.28	255	.39	.20	-5.1	7.72	.05	71.4	9.0	.24	66.6	19.30	
840	40	480	19.2	14.10	-.07	255	0	.21	4.9	7.74	.02	62.1	9.3	.31	-25.5	19.30	
845	45	480	21.6	14.13	.21	255	0	.21	0	7.73	.01	55.1	7.0	.26	17.5	19.30	
850	50	480	24.0	14.13	0	256	.39	.20	5.2	7.74	.01	~~53.4~~ 53.9	1.2	.30	14.2	19.30	.04
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

PB

Sample ID: BW-2D
Sample Date and Time: 3/19/08 9:00
Sampler: Matt Renaud

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:

		Duplicate
		MS/MSD
	None	Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: ID 59

Dedicated	Lg	BP-Large or Small
	2	Cycles per Minute
	105	Pressure (PSI)
	11	Refill Time
	19	Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-2I (2I)

Date: 3/18/08 Time: 1510

Screen Interval: 69 to 89

Static Water Level 17.85

Pump Sample depth: 79

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1515	0	480		14.55		256		.78		7.81		31.3		3.74		18.50	
1520	5	480	2.4	14.44	.76	257	.39	.15	135.48	7.90	.09	31.0	.3	6.31		18.50	
1525	10	480	4.8	14.31	.90	259	.76	.16	6.45	7.90	0	30.9	.1	6.02		18.50	
1530	15	480	7.2	14.40	.63	261	.77	.19	17.1	7.87	.03	32.0	1.1	19.1		18.50	
1535	20	480	9.6	14.47	.48	261	0	.19	0	7.88	.01	30.1	1.9	28.5		18.50	
1540	25	480	12.0	14.43	.28	261	0	.20	5.12	7.91	.03	29.9	.2	29.7		18.50	
1545	30	480	14.4	14.46	✓.2	262	✓.38	.24	✓16.7	7.89	✓.02	29.0	✓.9	30.8	✓	18.50	
1550	35	480	16.8	14.39	✓.49	263	✓.38	.24	✓0	7.88	✓.01	29.7	✓.7	32.1	✓	18.50	
1555	40	480	19.2	14.33	✓.42	263	✓0	.28	15.3	7.86	✓.02	30.3	✓.6	34.7	✓	18.50	
1600	45	480	21.6	14.33	✓0	263	✓0	.25	✓11.3	7.89	✓.03	29.3	✓1	33.5	✓	18.50	
1605	50	480	24.0	14.30	✓.21	263	✓0	.26	✓3.9	7.87	✓.02	29.1	.2	32.0	✓		.65
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifer	

Sample ID: BW-2I

Sample Date and Time: 3/18/08 1610

Sampler: Matt Renaud

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity		N	NONE
	Sulfate, Nitrate/Nitrite	500 ml		
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID

Dedicated	69	BP-Large or Small
	2	Cycles per Minute
	55	Pressure (PSI)
	15	Refill Time
	15	Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-3D

Date: 3/14/08 Time: 1110

Screen Interval: 129 to 149

Static Water Level 24.78

Pump Sample depth: 139

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1110	0	500		15.21		226		.80		7.30		48.2		1.96		24.78	
1115	5	500	2.5	15.00		216		.16		7.32		45.7		.77		24.78	
1120	10	500	5	15.08		211		.13		7.55		44.1		.92		24.78	
1125	15	500	7.5	14.86		213		.14		7.82		43.4		.58		24.78	
1130	20	500	10	14.79		213		.30		7.81		45.5		.90		24.78	
1135	25	500	12.5	14.91		213	10	.18		8.02		40.9		.72	22.2	24.78	
1140	30	500	15	15.03		213	✓0	.16	✓	8.02	✓	39.4	3.5	.30	82.35	24.78	
1145	35	500	17.5	14.98	✓.40	213	✓0	.19	✓17.14	8.05	✓.03	36.1	9.3	.33	9.52	24.78	
1150	40	500	20	15.05	✓.47	212	✓.47	.17	✓11.16	7.99	✓.06	38.8	✓2.7	.28	16.39	24.78	
1155	45	500	22.5	15.10	✓.33	212	✓0	.18	✓5.7	7.99	✓0	37.5	✓1.3	.31	✓10.14	24.78	0
1200	50	500	25	15.12	✓.13	212	✓0	.19	8.4	7.97	✓.02	37.9	✓.4	.34	✓9.23		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 3/14/08 12:00

Sampler:

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID

Dedicated	Y	BP-Large or Small
	2	Cycles per Minute
	95	Pressure (PSI)
	14	Refill Time
	16	Discharge time

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-3I
Date: 3/13/08 Time: 1352

Screen Interval: 84.5 to 104.5
Static Water Level 23 85

Pump Sample depth: 95

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1525	0	500	0	15.17		295		0.72		8.13		175.6		50.62		23.90	0.05
1530	5	500	2.5	15.15	0.13	294	0.33	0.35	69.1	8.12	0.01	174.2	0.80	53.22	5.00	23.91	0.06
1535	10	500	5.0	15.12	0.19	292	0.68	0.25	33.3	8.09	0.03	171.7	1.44	40.43	27.3		
1540	15	500	7.5	15.09	0.19	290	0.69	0.22	12.7	8.13	0.04	167.2	2.65	29.41	31.55	23.99	0.14
1545	20	500	10.0	15.08	0.06	290	0	0.21	4.6	8.12	0.01	164.2	1.81	26.38	10.86	23.98	0.13
1550	25	500	12.5	15.07	0.06	290	0	0.20	4.87	8.18	0.06	159.5	17.40				
1555	30	500	15.0	15.09	0.13	290	0	0.20	0	8.13	0.05	159.8	0.18	21.13	22.10	23.99	0.14
1600	35	500	17.5	15.08	0.06	289	0.34	0.18	10.52	8.12	0.01	157.7	5.01	19.76	6.701	24.01	0.16
1605	40	500	20.0	15.07	0.06	289	0	0.19	5.4	8.12	0	146.3	3.62	14.27	32.27		
1610	45	500	22.5	15.05	0.13	289	0	0.19	0	8.15	0.03	142.0	2.98	15.62	9.03		
1615	50	500	25.0	15.05	0	289	0	0.18	5.4	8.13	0.02	138.4	2.56	14.57		24.03	0.18
1620	55	500	27.5	15.04		289	0	0.18		8.14		135.5		14.23			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-3I **Sample Date and Time:** 3/13/08 **Sampler:** C. STRAUSS Corey Strauss

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity		N	NONE
	Sulfate, Nitrate/Nitrite	500 ml		
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 52

Dedicated		BP-Large or Small
2		Cycles per Minute
70		Pressure (PSI)
18		Refill Time
12		Discharge time

Comments: VERY WINDY. TURBIDITY STARTED OFF AT 80NTU, BUT IS STEADILY DECREASING AS PUMPING.

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barnett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-3S
Date: 3/12/08 Time: 1520

Screen Interval: 20 to 40
Static Water Level 22.80'

Pump Sample depth: 32

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	~~%RPD Delta~~	NTU	%RPD	Ft	Drawdown
1530	0	500	0	59.99		1902		2.00		7.48		115.3		62.56	<10 NTU	23.23	0.43
1535	5	300	2.5	59.72	<1	1914	<1	0.94	72	7.44	0.04	109.1	6	9.34		22.98	0.18
1540	10	300	4	59.63	<1	1915	<1	0.68	32	7.40	0.04	104.7	4	8.78		22.98	
1545	15	300	5.5	59.54	<1	1916	<1	0.48	34	7.42	0.02	100.9	4				
1550	20	300	7	59.57	<1	1917	<1	0.61	23	7.41	0.01	98.7	2	3.09		22.98	
1555	25	300	8.5	59.60	<1	1918	<1	0.59	3	7.42	0.01	96.7	2			22.98	
1600	30	300	10	59.57	<1	1919	<1	0.62	5	7.42	0	94.6	2	1.83		22.98	
1605	35	300	11.5	59.58	<1	1920	<1	0.56	10	7.37	0.05	94.9	<1			22.98	
1610	40	300	13	59.61	<1	1918	<1	0.52	7	7.40	0.03	92.4	3	1.68			
1615	45	300	14.5	59.71	<1	1922	<1	0.57	9	7.40	0	90.4	2			22.98	
1620	50	300	16	59.75	<1	1923	<1	0.53	7	7.42	0.02	88.3	2	0.87			
1625	55	300	17.5	59.91	<1	1920	<1	0.50	6	7.41	0.01	87.2	1				
1630	60	300	19	59.92		1918		0.55		7.41		86.1		0.49			
				15.57													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-3S **Sample Date and Time:** 3/12/08 1630 **Sampler:** TP

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

Dedicated		BP-Large or Small ID55
2		Cycles per Minute
~~20~~ TP	18	Pressure (PSI)
15		Refill Time
15		Discharge time

Comments: Windy

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-4D
Date: 3/17/08 Time: 1000

Screen Interval: 153.5 to 173.5
Static Water Level 55.57

Pump Sample depth: 163

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1005	0	500	0	15.17		735		0.84		6.33		54.2		6.71	<10NTU	55.63	0.08
1010	5	500	2.5	15.33	1.04	654	11.66	0.20	123.1	7.19	0.14	54.0	0.37				
1015	10	500	5.0	15.16	1.11	647	1.07	0.12	50.0	7.68	0.49	53.5	0.93	7.12	<10NTU	55.64	0.09
1020	15	500	7.5	15.23	0.46	642	0.77	0.10	18.18	7.77	0.09	54.8	2.40	8.16	<10NTU		
1025	20	500	10.0	15.28	0.32	644	0.31	0.09	10.52	7.77	0	55.9	1.98				
1030	25	500	12.5	15.27	0.07	646	0.31	0.09	0	7.78	0.01	56.4	0.89				
1035	30	500	15.0	15.29	0.13	646	0	0.09	0	7.77	0.01	57.7	1.41	8.54	<10NTU	55.63	0.06
1040	35	500	17.5	15.35	0.39	647	0.15	0.09	0	7.78	0.01	57.5	0.52	8.26	<10NTU	55.66	0.09
1045	40	500	20.0	15.36	0.06	647	0	0.09	0	7.78	0	58.3	0.34	7.69	<10NTU		
1050	45	500	22.5	15.42	0.38	648	0.15	0.09	0	7.78	0	58.4	1.38	9.12	<10NTU	55.68	0.11
1055	50	500	25.0	15.46	0.25	648	0	0.09	0	7.78	0	58.7		8.08	<10NTU	55.65	0.08
																	0.08
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-4D
Sample Date and Time: 3/17/08 1110
Sampler: C. STRAUSS Corey J Strauss

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7 8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 60

Dedicated		BP-Large or Small
2		Cycles per Minute
100		Pressure (PSI)
10		Refill Time
20		Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-4I
Date: 3/17/08 Time: 1125

Screen Interval: 105 to 125
Static Water Level 55.98

Pump Sample depth: 115

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1130	0	500	0	15.54		1498		0.18		7.31		76.3		8.78			
1135	5	500	2.50	15.51	0.19	1502	0.26	0.16	11.7	7.32	0.01	75.6	0.92	9.13	<10NTU	56.12	0.14
1140	10	500	5.00	15.53	0.12	1497	0.33	0.17	6.06	7.32	0	75.6	0	7.96	<10NTU		
1145	15	500	7.50	15.52	0.04	1484	0.87	0.17	0	7.32	0	75.4	0.26	8.41	<10NTU	56.21	0.23
1150	20	500	10.00	15.53	0.06	1473	0.74	0.17	0	7.34	0.02	75.2	0.26	8.57	<10NTU		
1155	25	500	12.50	15.46	0.45	1463	0.68	0.18	5.71	7.35	0.01	75.1	0.13	7.98	<10NTU	56.22	0.24
1200	30	500	15.00	15.47	0.06	1459	0.27	0.19	5.40	7.34	0.01	74.9	0.26				
1205	35	500	17.50	15.50	0.19	1452	0.48	0.19	0	7.34	0	74.9	0	7.64	<10NTU	56.19	0.21
1210	40	500	20.00	15.49	0.06	1448	0.27	0.19	0	7.35	0.01	74.8	0.13	7.85	<10NTU		
1215	45	500	22.50	15.50	0.04	1442	0.41	0.19	0	7.35	0	74.6	0.26	6.97	<10NTU	56.18	0.20
1220	50	500	25.00	15.48		1441		0.19		7.34		74.4		8.23	<10NTU	56.19	0.21
																	21
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-4I
Sample Date and Time: 3/17/08 1240
Sampler: C Strauss Corey Strauss

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 54

Dedicated		BP-Large or Small
2		Cycles per Minute
75		Pressure (PSI)
16		Refill Time
14		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-4S
Date: 3/17/08 Time: 0800

Screen Interval: 65 to 85
Static Water Level 36.32

Pump Sample depth: 75

	Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
		min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
	0805	0	500	0	14.65		1765		1.67		7.17		108.9		9.62	<10 NTU	36.48	
	0810	5	500	2.5	13.49	8.24	1776	0.62	1.77	5.81	7.19	0.02	107.9	0.92	8.91	<10 NTU	36.47	
	0815	10	500	5.0	15.12	11.39	1790	0.78	1.29	31.37	7.18	0.01	106.8	1.02	7.11	<10 NTU		
0900	0820	15	500	7.5	15.26	1.57	1790	0	0.70	59.2	7.16	0.02	106.5	0.28	8.26	<10 NTU	36.49	
0905	0825	20	500	10.0	15.22	0.26	1797	0.39	0.63	10.5	7.15	0.01	106.5	0	7.61	<10 NTU		
0910	0830	25	500	12.5	15.27	0.32	1805	0.44	0.61	3.22	7.15	0	106.7	0.18	7.32	<10 NTU	36.52	
0915	0835	30	500	15.0	15.21	0.39	1814	0.49	0.60	1.65	7.15	0	106.6	0.09	6.98	<10 NTU		
0920	0840	35	500	17.5	15.22	0.06	1817	0.16	0.60	0	7.15	0	106.6	0	8.04	<10 NTU	36.51	0.19
0925	0845	40	500	20.0	15.20	0.13	1817	0	0.59	1.68	7.16	0.01	106.3	0.28				
0930	0850	45	500	22.5	15.15	0.32	1822	0.27	0.60	1.68	7.16	0	106.1	0.18	9.12	<10 NTU		
0935	0855	50	500	25.0	15.22		1825		0.61		7.14		106.1					-19
Criteria		60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-4S **Sample Date and Time:** 3/17/08 0950 **Sampler:** C. STRAUSS Corey J. Strauss

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:

		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: 53

Dedicated		BP-Large or Small
2		Cycles per Minute
55		Pressure (PSI)
17		Refill Time
13		Discharge time

Comments: STOPPED PUMPING AT 0810 TO FIX GENERATOR

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Bassett QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-5S

Date: 3/13/08 Time: 1335

Screen Interval: 30 to 50

Static Water Level 29.90

Pump Sample depth: 42

0

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	~~Delta~~ %RPD	NTU	%RPD	Ft	Drawdown
1345	0	500	0	60.30		663		6.72		8.23		11.0		8.41	<10 NTU	29.91	0.01
1350	5	500	2.5	60.38	<1	667	<1	5.98	12	8.21	0.02	35.6	105	3.30	87.27		
1355	10	500	5	60.38	0	682	2	5.69	5	8.22	0.01	41.8	16				
1400	15	500	7.5	60.37	<1 ✓	693	2 ✓	5.89	3	8.22	0 ✓	46.9	11				
1405	20	500	10	60.31	<1	691	<1	5.83	1 ✓	8.21	0.01	50.4	7	1.77	60.35	29.92	0.02
1410	25	500	12.5	60.26	<1	684	1	5.53	5	8.20	0.01	52.6	4	1.50		29.95	0.05
1415	30	500	15	60.30	<1	685	<1	5.47	1	8.18	0.02	53.0	<1 ✓			29.95	0.05
1420	35	500	17.5 ~~20~~	60.32	<1	682	<1	5.55	1	8.21	0.03	54.4	3				
1425	40	500	20	60.40	.13	680		5.57		8.22	.12	54.2		3.13	20.4	29.95	0.05
1430	45	500	22.5	60.32	<1	676		5.77		8.20	.24	55.0					
1435	50	500	25	60.25	<1	677		5.76		8.22	.21	57.4	6.4	1.57			
				15.69													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifer	

Sample ID:

Sample Date and Time:

Sampler:

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity			
	Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small
		Cycles per Minute
		Pressure (PSI)
		Refill Time
		Discharge time

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-5I
Date: 3/13/08 Time: 1325

Screen Interval: 77.5 to 97.5
Static Water Level 29.97

Pump Sample depth: 88

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1340	0	500	0	15.60		817		4.41		8.13		247.6		9.10		30.15	0.18
1345	5	500	2.5	15.63	0.19	815	0.24	4.73		8.12	0.01	242.7		4.73	<10 NTU	30.22	0.25
1350	10	500	5.0	15.62	0.06	820	0.61	4.59		8.09	0.03	239.9		5.81	<10NTU	30.23	0.26
1355	15	500	7.5	15.64	0.12	824	0.48	4.38		8.11	0.02	235.6		7.86	<10NTU	30.18	0.21
1400	20	500	10.0	15.65	0.06	827		4.30		8.12	0.01	230.6		3.24	<10NTU	30.19	0.22
1405	25	500	12.5	15.65	0	828		4.39		8.11	0.01	228.1		4.65	<10NTU	30.17	0.20
1410	30	500	15.0	15.59	0.32	831		4.35		8.09	0.02	224.5		3.62	<10NTU		
1415	35	500	17.5	15.62	0.19	830	0.48	4.05	7.14	8.09	0	222.2	1.03	3.26	<10NTU	30.18	0.21
1420	40	500	20.0	15.61	0.06	834	0.48	4.25	4.81	8.13	0.04	219.8	1.08	4.01	<10NTU		
1425	45	500	22.5	15.62	0.06	835	0.12	4.19	1.42	8.09		217.3	1.14			30.19	0.22
1430	50	500	25.0	15.63		836		4.23		8.04		214.1		5.32			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-5I
Sample Date and Time: 3/13/08 1500
Sampler: C. STRAUSS Corey J. Strauss

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 53

Dedicated		BP-Large or Small
2		Cycles per Minute
65		Pressure (PSI)
17		Refill Time
13		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-5D
Date: 3/14/08 Time: 945

Screen Interval: 115.6 to 135.6
Static Water Level 29.98

Pump Sample depth: 125

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
945	0	500		15.52		1067		4.79		7.99		77.7		92.5		29.98	
950	5	500	2.5	15.62		1112		4.59		7.95		77.8		28.0		29.98	
955	10	500	5	15.60		1108		4.59		7.92		77.8		23.7		29.98	
1000	15	500	7.5	15.62		1103		4.52		7.90		77.4		18.1		29.98	
1005	20	500	10	15.63		1099		4.41		7.87		77.2		15.9		29.98	
1010	25	500	12.5	15.67	.26	1094	.0	4.31		7.84	.03	77.3	.1	17.7	8.84	29.98	
1015	30	500	15.	15.63	.26	1094	.0	4.33	.46	7.87	.03	76.5	.8	16.2	8.84	29.98	
1020	35	500	17.5	15.61	.13	1092	.18	4.32	.23	7.90	.03	75.8	.7	16.1	.62	29.98	
1025	40	500	20.	15.65	.26	1090	.18	4.32	0	7.89	.01	75.6	.2	16.0	.62	29.98	0
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-5D **Sample Date and Time:** 3/14/08 **Sampler:** Matt Renaud

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID 56

Dedicated	Y	BP-Large or Small
	2	Cycles per Minute
	80	Pressure (PSI)
	14	Refill Time
	16	Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-6D
Date: 3/17/08 Time: 1710

Screen Interval: 171.8 to 181.8
Static Water Level 102.90

Pump Sample depth: 177

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1410	0	480		62.24		652		8.51		6.90		144.1		.81		102.90	
1415	5	480	2.4	62.26	.03	651	.15	7.62	11.03	6.80	.10	154.7	10.6	.68	17.49	102.90	
1420	10	480	4.8	62.32	.09	649	.31	5.20	37.8	6.61	.19	160.5	5.8	.38	56.6	102.90	
1425	15	480	7.2	62.31	.02	648	.15	5.85	11.8	7.86	1.25	139.7	30.8	.70	59.2	102.90	
1430	20	460	9.39	62.26	.08	648	0	5.64	3.7	7.91	.05	137.6	2.1	.22	104.5	102.90	
1435	25	460	11.62	62.18	.13	648	0	5.67	.53	8.05	.13	129.3	8.3	.62	95.2	102.90	
1440	30	460	13.84	62.22	.06	648	0	5.80	2.3	8.04	.01	129.9	.6	.17	113.9	102.90	
1445	35	460	16.8	62.20	.03	648	0	5.84	.69	8.02	.02	128.0	1.9	.16	6.07	102.90	
1450	40	460	19.2	62.30	.16	648	0	5.83	.17	7.97	.05	128.3	.3	.14	13.3	102.90	
1455	45	460	21.6	62.28	.02	647	.15	5.68	2.6	8.03	.06	134.4	6.1	.20	35.3		
1500	50	460	24.0	62.34	.08	647	0	5.69	.18	7.97	.06	134.8	.4	.18	10.5		
1505	55		26.4														
				1685													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-6D
Sample Date and Time: 3/17/08 1500
Sampler: Matt Renaud

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: ID. 58		
Dedicated	Lg	BP-Large or Small
	2	Cycles per Minute
	150	Pressure (PSI)
	12	Refill Time
	18	Discharge time

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P. Basett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-6S
Date: 3/17/08 Time: 1245

Screen Interval: 105 to 125
Static Water Level 103.80

Pump Sample depth: 115

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1245	0	500		61.90		721		3.04		8.08		136.9		25.14		103.80	
1250	5	500	2.5	62.00	.16	728	.97	1.89	109	8.20	-.12	127.2	9.7	18.23		103.80	
1255	10	500	5	61.97	.05	740	1.6	1.20	29.67	8.13	.07	124.8	2.6	12.99		103.80	
1300	15	500	7.5	62.00	.05	743	1.6	1.68	33.9	8.14	-.01	121.6	8.7	9.19		103.80	
1305	20	500	10.0	61.95	.06	748	.67	1.78	5.18	8.22	-.08	110.9	10.7	6.84		103.80	
1310	25	500	12.5	61.91	.06	749	.13	2.09	16.02	8.13	.09	102.6	8.3	6.10		103.80	
1315	30	500	15.0	62.02	.18	752	.40	2.28	8.7	8.04	.09	103.6	-1.	5.61		103.80	
1320	35	500	17.5	61.97	.08	755	.40	2.43	6.37	8.09	-.05	97.8	8.8	4.98		103.80	
1325	40	500	20.0	62.04	.11	757	.26	2.61	7.14	8.14	✓ -.05	88.3	6.5	4.88	✓	103.80	
1330	45	500	22.5	61.94	✓ .16	757	✓ 0	2.68	✓ 2.64	8.17	✓ .03	58.5	29.8	5.10	✓	103.80	
1335	50	500	25.0	61.95	✓ .02	759	✓ .26	2.82	✓ 5.0	8.12	✓ -.05	67.0	8.5	3.96	✓	103.80	
1340	55	500	27.5	62.03	✓ .13	760	✓ .13	2.79	✓ 12.43	8.13	✓ -.01	65.8	✓ 1.2	2.76	✓	103.80	
1345	60	500	30.0	61.99	✓ .06	760	✓ 0	2.83	✓ 1.42	8.14	✓ .01	66.8	✓ 1	3.34	✓	103.80	
				16.66													0
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-6S
Sample Date and Time: 3/17/08 1345
Sampler: Matt Renaud

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 49

Dedicated	L9	BP-Large or Small
	2	Cycles per Minute
	90	Pressure (PSI)
	21	Refill Time
	9	Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-7D
Date: 3/13/08 Time: 1345

Screen Interval: 174 to 194
Static Water Level 157.57

Pump Sample depth: 184

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1400	0	450		17.76		761		.77		7.02	~~-.05~~	78.9		5.44		151.90	
1405	5	450	2.25	17.66	-.56	756	-.66	.82	-6.28	7.04	-.02	73.3	5.6	3.83	34.71	151.86	
1410	10	450	4.5	17.62	-.28	719	5.01	2.22	92.10	6.92	.12	80.4	-7.1	2.68	35.33	151.83	
1415	15	450	6.75	17.63	.06	704	2.1	2.44	-.89	6.83	.09	82.2	-1.8	1.31	68.67	151.83	
1420	20	450	9.0	17.60	.17	701	.43	2.47	1.22	6.90	-.07	75.5	6.7	1.19	9.6	151.83	
1425	25	450	11.25	17.64	-.23	699	.29	2.53	2.41	6.94	-.04	71.7	3.8	1.03	14.41	151.83	
1430	30	450	13.50	17.56	.45	699	0	2.44	3.62	7.02	-.08	67.7	4.0	.78	27.62	151.83	
1435	35	450	15.75	17.45	.62	697	.29	2.52	3.22	7.05	-.03	61.3	6.4	.59	27.71	151.83	
1440	40	450	18.0	17.53	-.46	696	.14	2.48	1.6	7.06	-.01	62.3	-1	.57	3.44	151.83	
1445	45	450	20.25	17.48	.29	698	-.29	2.47	.40	7.08	-.02	64.1	-1.8	.57	0		
1450	50	450	22.5	17.52	-.23	697	.14	2.44	1.22	7.09	-.01	63.9	0.2	.61	6.78		
																	.26
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-7 **Sample Date and Time:** 3/13/08 1450 **Sampler:** MMR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID. 62

Dedicated	Y	BP-Large or Small
	2	Cycles per Minute
	~~140~~ 120	Pressure (PSI)
	8	Refill Time
	22	Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-8D
Date: 3/13/08 Time: 1120

Screen Interval: 186 to 201.6
Static Water Level 140.70

Pump Sample depth: 191

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1120	0	400	0	17.57		1285	-	6.65		7.03		91.6		.67		140.70	
1125	5	400	2	17.58	0.05	1289	.31	6.11	8.46	7.09	-.06	81.2	10.4	.35	62.7	140.70	
1130	10	400	4	17.58	0	1290	.07	6.13	.32	7.29	.2	76.9	4.3	.44	22.7	140.69	
1135	15	400	6	17.58	0	1289	.07	6.00	2.14	7.41	.12	74.9	2.0	.40	9.5	140.68	
1140	20	400	8	17.57	.05	1290	.07	5.96	.67	7.44	.03	74.4	.5	.33	19.18	140.68	
1145	25	400	10	17.61	.22	1293	.23	5.88	1.35	7.51	.07	73.2	1.2	.37	11.4	140.68	
1150	30	400	12	17.77	.90	1290	.23	5.81	1.19	7.72	.21	74.5	-1.3	.30	20.9	140.69	
1155	35	400	14	17.64	.73	1290	0	5.81	0	7.54	.18	73.5	1.0	.31	3.28	140.69	
1200	40	400	16	17.58	.34	1289	.07	5.65	2.79	7.49	.05	77.1	3.6	.23	20.17	140.69	
1205	45	400	18	17.53	.28	1290	.07	5.81	2.79	7.52	.03	74.6	2.5	.25	8.3	140.69	
1210	50		20	17.56	.17	1288	.15	5.68	2.26	7.49	.03	73.6	1.0	.28	11.3	140.69	
																	.01
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 3/13/08 12:15

Sampler:

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 55

Dedicated	Y	BP-Large or Small
	2	Cycles per Minute
	120	Pressure (PSI)
	15	Refill Time
	15	Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-8S

Date: 3/13/08 Time: 9:30

Screen Interval: 140 to 160

Static Water Level 139.12

Pump Sample depth: 154

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
9:50	0	500	0	17.17		1247		3.55		7.74		88.3		237		140.98	
9:55	5	500	2.5	17.24	.41	1248	.08	3.10	13.53	7.71	.03	88.4	.1	170		140.98	
10:00	10	500	5.0	17.27	.17	1245	.24	3.02	2.6	7.70	.01	84.5	3.9	178		140.98	
10:05	15	500	7.5	17.28	.06	1245	0	3.32	9.46	7.76	.06	77.8	6.7	116		140.98	
10:10	20	500	10.0	17.24	.23	1245	0	3.70	10.82	7.81	.05	73.4	4.4	53.2		140.98	
10:15	25	500	12.5	17.13	.64	1244	.08	3.74	1.07	7.78	.03	72.4	1.0	36.2		140.98	
10:20	30	500	15.0	17.16	.17	1244	0	3.88	3.67	7.79	.01	71.0	1.4	24.5		140.98	
10:25	35	500	17.5	17.21	.29	1244	0	3.93	1.28	7.80	.01	69.3	1.7	24.0		140.98	
10:30	40	500	20.0	17.21	0	1244	0	4.01	2.01	7.82	.02	68.0	1.3	17.7		140.98	
10:35	45	500	22.5	17.22	.06	1244	0	4.13	2.95	7.82	0	66.8	1.8	15.1	9.75	140.98	
10:40	50	500	25.0	17.22	0	1244	0	4.20	1.68	7.83	.01	65.8	1.0	11.9		140.98	
																	.14
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 3/13/08 10:45

Sampler: Matt Renaud

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 12:50

Dedicated	Lg	BP-Large or Small
	2	Cycles per Minute
	115	Pressure (PSI)
	20	Refill Time
	10	Discharge time

Comments:

2 Liters purged to clear ~~out~~ pump + tubing before readings began

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: PBarrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-9D

Date: ~~1505~~ 3/12/08 Time: 1505

Screen Interval: 144.8 to 164.8

Static Water Level 20.78

Pump Sample depth: 155

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1520	0	500	0	14.48		256		0.21		7.57		144.4		2.59	<10NTU	20.90	0.12
1525	5	500	2.5	14.46	0.13	255	0.39	0.20	4.88	7.89	0.32	141.5	2.02	2.38	<10NTU	20.92	0.14
1530	10	500	5.0	14.49	0.20	256	0.39	0.21	4.88	7.94	0.05	139.4	1.49	2.47	<10NTU	20.89	0.11
1535	15	500	7.5	14.50	0.06	255	0.39	0.25	17.39	7.95	0.01	138.2	0.86	2.39	<10NTU	20.90	0.12
1540	20	500	10.0	14.47	0.20	255	0.0	0.26	3.92	7.95	0.00	135.5		2.41	<10NTU	20.92	0.14
1545	25	500		14.50	0.20	254	0.39	0.28	7.40	7.98	0.03	133.3		2.45	<10NTU	20.94	0.16
1550	30	500		14.48	0.13	254	0.00	0.30	6.89	7.94	0.04	133.0		2.43	<10NTU	20.90	0.12
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-9D + B/W-9D MS/MSD **Sample Date and Time:** 3/12/08 **Sampler:** C. STRAUSS Corey J. Strauss

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small
2		Cycles per Minute
100		Pressure (PSI)
6		Refill Time
24		Discharge time

Comments:

BREEZY CONDITIONS

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-9I
Date: 3/12/08 Time: 1400

Screen Interval: 70 to 90
Static Water Level 18.45

Pump Sample depth: 80

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1405	0	500	0	14.28		580		0.86		7.99		184.6		24.6		18.50	0.05
1410	5	500	2.5	14.10	1.26	575	0.86	0.27	104.4	7.97	0.02	180.3	2.35	20.3	19.15	18.52	0.07
1415	10	500	5.0	14.08	0.14	578	0.52	0.19	34.4	7.91	0.06	174.8	3.09	22.4	9.83	18.51	0.06
1420	15	500	7.5	14.02	0.42	579	0.17	0.18	5.41	7.89	0.02	172.3	1.44	23.8	6.06	18.55	0.10
1425	20	500	10.0	14.06	0.28	579	0.00	0.18	0.00	7.90	0.01	169.1	1.87	25.6	7.28	18.54	0.09
1430	25	500	12.5	14.05	0.07	580	0.18	0.18	0.00	7.92	0.02	166.0	1.85	23.1	9.82	18.52	0.07
1435	30	500	15.0	14.05		580		0.17	5.71	7.90		162.4	2.19	22.0		18.53	0.08
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-9I
Sample Date and Time: 3/12/08 1450
Sampler: C. STRAUSS Corey J. Strauss

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small
2		Cycles per Minute
65		Pressure (PSI)
18		Refill Time
12		Discharge time

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-9S
Date: 3/12/08 Time: 14:20

Screen Interval: 20 to 40
Static Water Level 17.90

Pump Sample depth: 30

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg ~~C~~F	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1430	0	500	0	58.14		2342		5.23		7.38		180.5		9.72		17.94	0.04
1435	5	500	2.5	58.01	<1	2349	<1	4.86	7	7.36	0.02	177.2	2	8.38			
1440	10	500	5	58.09	<1	2336	<1	4.84	<1	7.33	0.03	176.0	<1			17.98	0.08
1445	15	500	7.5	58.21	<1	2345	<1	4.63	4	7.33	0	172.3	2	2.61			
1450	20	500	10	58.19	~~2~~ <1	2342	<1	4.69	1	7.38	0.05	167.7	3			18.00	0.10
1455	25	500	12.5	58.13	<1	2341	<1	4.45	5	7.33	0.05	170.3	2	1.48	56.25	18.00	0.10
1500	30	500	15	58.09		2344		4.58	3	7.36	0.03	166.6	2	1.18	22.5		
				14.49													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 3/12/08 1500

Sampler: TR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small
2		Cycles per Minute
20		Pressure (PSI)
13		Refill Time
17		Discharge time

Comments: conditions were breezy while filling bottles

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-10D

Date: 3/12/08 Time:

Screen Interval: 100.6 to 120.6

Static Water Level 21.36

Pump Sample depth: 110

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1710	0	500	0	14.90		317		0.39		7.85		204.0		3.72	<10NTU	21.39	0.03
1715	5	500	2.5	14.90	0.00	313	1.27	0.29	29.41	7.93	0.08	197.7	3.16	3.61	<10NTU	21.41	0.05
1720	10	500	5.0	14.92	0.13	313	0.00	0.28	3.51	7.92	0.01	194.8	1.47	3.70	<10NTU	21.43	0.07
1725	15	500	7.5	14.93	0.06	314	0.32	0.31	10.17	7.94	0.02	190.9	2.02	3.61	<10NTU	21.40	0.04
1730	20	500	10.0	14.94	0.07	314	0.00	0.32	3.17	7.94	0.00	188.4	1.31	3.50	<10NTU	21.42	0.06
1735	25	500	12.5	14.94	0.00	315	0.32	0.32	0.00	7.95	0.01	184.9	1.88	3.41	<10NTU	21.45	0.09
1740	30	500	15.0	14.97	0.20	314	0.32	0.34	6.06	7.94	0.01	183.2	0.92	3.51	<10NTU	21.46	0.10
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-10D

Sample Date and Time: 3/12/08

Sampler: C. STRAUSS Cory J. Strauss

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small
2		Cycles per Minute
70		Pressure (PSI)
5		Refill Time
25		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-10S

Date: 3/12/08 Time: 1700

Screen Interval: 20 to 40

Static Water Level 21.75

Pump Sample depth: 34

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1705	0	500	0	58.71		356		5.83		7.23		192.3		6.06			
1710	5	500	2.5	58.76	<1	355	<1	4.41	27	7.15	0.08	191.6	<1	14.7 TR		21.75	0
1715	10	500	5	58.83	<1	355	0	4.45	<1	7.16	0.01	187.1	2	14.7	83	21.75	
1720	15	500	7.5	58.91	<1 ✓	355	0 ✓	4.30	3	7.13	0.03 ✓	185.5	<1 ✓	9.00	48	21.75	
1725	20	500	10	58.95	<1	354	<1	4.35	4 ✓	7.13	0	184.1	<1	6.29	<10 NTU	21.75	
1730	25	500	12.5	58.85		353		3.96		7.12	0.01	182.7		7.11		21.75	
1735	30	500	15	58.88		353		4.05		7.12	0	182.4		4.97		21.75	
				14.93													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 3/12/08 ~~1700~~ 1735

Sampler: YR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

Dedicated		BP-Large or Small
2		Cycles per Minute
20		Pressure (PSI)
15		Refill Time
15		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-11D1
Date: 3/13/08 Time: 1100

Screen Interval: 170.3 to 190.3
Static Water Level 38.53

Pump Sample depth: 180

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1110	0	400	0	15.18		8937		0.81		6.08		0.3				38.56	0.03
1115	5	400	2.0	15.16	0.13	8999	0.69	0.43	61	6.04	0.04	-4.4	4.7	1.14	<10NTU	38.58	0.05
1120	10	400	4.0	15.16	0	9037	0.42	0.33	26.3	6.05	0.01	-5.7	1.3	0.91	<10NTU	38.55	0.02
1125	15	400	6.0	15.17	0.7	9042	0.05	0.32	3.30	6.05	0	-6.7	1.0	0.86	<10NTU	38.56	0.03
1130	20	400	8.0	15.18	0.6	9046	0.06	0.32	0	6.05	0	-6.8	1.48	0.80	<10NTU	38.59	0.06
1135	25	400	10.0	15.19	0.6	9056	0.11	0.35	8.9	6.04	0.01	-7.5	9.79	0.94	<10NTU	38.57	0.04
1140	30	400	12.0	15.19	0	9049	0.07	0.35	0	6.05	0.01	-8.5	12.5	0.91	<10NTU	38.56	0.03
1145	35	400	14.0	15.17	0.14	9050	0.01	0.36	2.81	6.05	0	-8.4	1.18	1.18	<10NTU	38.59	0.06
1150	40	400	16.0	15.21	0.29	9065	0.17	0.37	2.79	6.05	0	-8.1	3.63	1.05	<10NTU	38.57	0.04
1155	45	400	18.0	15.17	0.29	9067	0.06	0.39	5.26	6.04	0.01	-7.8	3.77	1.20	<10NTU		
1200	50	400	20.0	15.16		9059		0.40	2.78	6.05	0.01	-8.8	12.04	1.16	<10NTU		
1205	55	400	22.0	15.12		9065		0.41	2.76	6.05	0	-8.7	1.19	1.18	<10NTU	38.59	0.06
1210	60	400	24.0	15.16		9049		0.42		6.04	0.01	-7.9		1.06	<10NTU	38.60	0.07
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-11D1
Sample Date and Time: 3/13/08 1220
Sampler: C. STRAUSS Cory J. Strauss

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7BL	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: 63

Dedicated		BP-Large or Small
2		Cycles per Minute
100		Pressure (PSI)
7		Refill Time
23		Discharge time

Comments: BUBBLES IN FLOW CELL + LINE

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Review: PBassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-11D3
Date: 3/19/08 Time: 1400

Screen Interval: 235 to 245
Static Water Level 37.92

Pump Sample depth: 240

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1410	0		0	16.02		1629	~~3.14~~	.53		6.51		-7.4		25.99		50.48	
1435	5	80	.4	17.51	8.9	1681	3.14	1.06	66.6	6.53	.02	-20.0	12.6			54.42	
1440	10	80	.8	17.22	1.7	1683	.12	.64	49.4	6.45	.08	-15.0	-5	15.18	52.51	54.42	
1445	15	80	1.2	17.08	.82	1687	.24	1.00	43.9	6.50	-.05	-18.1	3			54.28	
1450	20	80	1.6	17.14	-35 ~~17.14~~	1692	.30	.97	3.05	6.46	.04	-17.9	-.2			53.99	
1455	25	80	2.0	16.76	2.24 ~~16.76~~	1706	.82	.77	22.99	6.35	.11	-15.7	.2	16.03	5.44	54.10	
1500	30	80	2.4	17.26	2.93 ~~17.31~~	1727	1.2	.86	11.04	6.50	.15	-19.9	-2.2			53.82	
1505	35	80	2.8	17.31	.29	1745	1.03	.98	13.04	6.39	.11	-21.8	1.9				
1510	40	80	3.2	missed reading while attending to equipment.													
1515	45	80	3.6	17.63	1.83	1784	2.21	.69	34.7	6.42	.03	-23.9	1.2			53.42	
1520	50	80	4.0	16.30	7.8	1810	1.44	.76	9.7	6.41	.01	-24.2	.3				
1525	55	80	4.4	16.21	.60	1857	2.6	.78	2.6	6.40	.01	-25.8	1.6	10.53	41.42	54.70	16.78
~~1530~~	~~60~~																3
	~~65~~																
	~~70~~																
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-11D3 **Sample Date and Time:** 3/19/08 1525 **Sampler:** Matt Renaud

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID 121

Dedicated	Lg	BP-Large or Small
	5	Cycles per Minute
	40	Pressure (PSI)
	9.6	Refill Time
	2.4	Discharge time

Comments:

extremely low recovery rate. Turbidity can't be collected because flow cell leaks and effluent tube does not discharge.

final turb will be collected pre-flow cell. 3 liters purged by 1435 in flow adjustment period.

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-11S
Date: 3/13/08 Time: 1105

Screen Interval: 38 to 58
Static Water Level 38.93

Pump Sample depth: 50

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP	~~% RPD~~	Turbidity		Depth to Water	
	min	ml/min	Liters	Deg ~~C~~F	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	~~Delta~~	NTU	%RPD	Ft	Drawdown
1115	0	450	0	60.24		5362		1.81		4.10		216.6		14.26		38.93	0
1120	5	450	2.25	60.07	<1	5353	<1	3.00	49	4.10	0	210.8	3	24.60	53		
1125	10	450	4.5	60.10	<1	5347	<1	3.28	9	4.08	0.02	209.1	<1	21.10	15		
1130	15	450	6.75	60.24	<1	5331	<1	3.22	2	4.08	0	206.8	1	21.66	3	39.00	0.07
1135	20	450	9	60.13	<1	5321	<1	3.28	2	4.08	0	204.1	1				
1140	25	450	11.25	60.15	<1	5309	<1	3.17	3	4.09	0.01	200.8	2	17.27	23	38.99	0.06
1145	30	450	13.5	60.20	<1	5296	<1	3.14	<1	4.06	0.03	200.4	<1	15.31	12		
1150	35	450	15.75	60.18	<1	5283	<1	3.18	1	4.08	0.02	199.7	<1	11.57	28		
1155	40	450		60.12	<1	5297	<1	3.23	2	4.08	0	198.8	<1	10.75	7	38.98	0.05
1200	45	450		60.04	<1	5293	<1	3.07	5	4.07	0.01	198.4	<1	9.40	<10 NTU	38.98	
1205	50	450		60.02		5296		3.05		4.07	0	197.4		9.19			
1210	55	450		60.18		5287		3.08		4.07		196.3		8.13			
1215	60	450		60.14		5293		2.99		4.08		195.4		6.56		39.00	0.07
				15.63													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-11S **Sample Date and Time:** 3/12/08 1215 **Sampler:** TR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity		N	NONE
		Sulfate, Nitrate/Nitrite	500 ml		
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small ID 58
2		Cycles per Minute
~26		Pressure (PSI)
12		Refill Time
18		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: PBarrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-13D
Date: 3/17/08 Time: 820

Screen Interval: 139.2 to 159.2
Static Water Level 126.15

Pump Sample depth: 149

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
825	0	480		58.79		749		6.57		6.46		192.3		.54		126.21	
830	5	480	2.4	60.13	2.25	681	9.5	7.01	6.9	7.40	.06	180.8	11.4	.57	5.4	126.21	
835	10	480	4.8	60.17	.07	672	1.3	6.98	.43	7.71	.31	176.9	4.0	.55	3.6	126.21	
840	15	480	7.2	60.30	.22	671	.15	6.81	2.47	7.69	.02	181.3	4.4	.22	85.7	126.21	
845	20	480	9.6	60.66	.60	671	0	6.70	1.6	7.70	.01	180.3	1.0	.30	30.8	126.21	
850	25	480	12.0	60.31	34.58	673	.3	6.57	1.99	7.72	✓ .02	180.9	.6	.28	6.9	126.21	
855	30	480	14.4	60.67	✓ .23	674	✓ .15	6.52	✓ .76	7.74	✓ .02	181.0	✓ .1	.27	✓ 3.63	126.21	
900	35	480	16.8	60.81	✓ .34	674	✓ 0	6.40	✓ 1.86	7.73	✓ .01	180.7	✓ .3	.28	3.63	126.21	
905	40	480	19.2	60.096	✓ .25	675	✓ .15	6.47	✓ 1.09	7.74	✓ .01	180.5	✓ .2	.30	3.63	126.21	
910	45	480	21.6	60.77	✓ .31	675	✓ 0	6.42	✓ .76	7.74	✓ 0	179.8	✓ .7	.27	6.9	126.21	
915	50	480	24.0	60.91	✓ .23	675	✓ 0	6.34	✓ 1.25	7.71	✓ .03	178.4	✓ 1.3	.30	✓ 6.9	126.21	
																	.06
				16.00													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-13D

Sample Date and Time: 3/17/08 915

Sampler: Matt Renaud

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 58

Dedicated	6	BP-Large or Small
	2	Cycles per Minute
	75	Pressure (PSI)
	12	Refill Time
	18	Discharge time

Comments:

%RPD = 200 X $\frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

300 6242026

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-14
Date: 3/18/08 Time: 0830

Screen Interval: 37.5-57.5
Static Water Level 13.73

Pump Sample depth: 47

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
0850	0	500	0	13.70		527		1.06		7.21		-4.5		0.33	<10 NTU	13.73	
0855	5	500	2.5	13.85	1	528	<1	0.76	33	7.41	0.20	13.7	~~496~~ 182				
0900	10	500	5	13.91	<1	533	<1	0.55	32	7.40	0.01	19.2	~~55~~ 5.5	0.27	20	13.73	
0905	15	500	7.5	13.94	<1 ✓	533	0	0.41	29	7.39	0.01	18.0	~~0~~ 1.2				
0910	20	500	10	13.95	<1	532	<1	0.40	2	7.39	0 ✓	15.6	2.4	0.32	16.9	13.73	
0915	25	500	12.5	13.97	<1	533	<1	0.43	1	7.38	0.01	12.5	3.1				
0920	30	500	15	13.97	0	534	<1	0.42	2 ✓	7.38	0	10.6	1.9				
0925	35	500	17.5	14.10	<1	528	<1	0.44	5	7.40	0.02	8.4	2.2	0.35	8.95	13.73	
0930	40	500	20	14.15	<1	528	0	0.43	2	7.39	0.01	7.1	1.3				
0935	45	500	22.5	14.24	<1	534	<1	0.40	7	7.38	0.01	5.5	1.6				
0940	50	500	25	14.24		532		0.39		7.39		3.0					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-14
Sample Date and Time: 3/18/08 0850
Sampler: TMR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:

		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

NONE

Bladder Pump Information:

Dedicated		BP-Large or Small ID 57
2		Cycles per Minute
35		Pressure (PSI)
13		Refill Time
17		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event: Q1 2008

Monitor Well Sampling Log

Project: Yerington Mine Site, NV
Client: Atlantic Richfield Company
Project Number: 133999

Location: B/W-15
Screen Interval: 35.8 to 55.82
Pump Sample Depth: 46

Date: 3/14/08 Time: 0810
Static Water Level: 11.73

Time	min	Pump Rate ml/min	Vol Removed ~~Gallons~~ L	Temperature deg F	%RPD	SC uS/cm	%RPD	DO mg/L	%RPD	pH SU	Delta	ORP mV	Delta	Turbidity NTU	%RPD	Depth to Water Ft	Drawdown
0825	0	450	0	55.67		369		0.67		7.09		122.8		0.10	<10 NTU	11.74	0.01
0830	5	450	2.25	55.87	<1	364	1	0.39	53	7.25	0.16	123.2	<1				
0835	10	450	4.5	55.94	<1	363	<1	0.38	3	7.25	0	126.0	2	0.06 ✓		11.74	
0840	15	450	6.75	55.94	0 ✓	363	0 ✓	0.37	3	7.26	0.01	126.6	<1 ✓				
0845	20	450	9	55.92	<1	363	0	0.33	11	7.26	0 ✓	127.0	<1	0.16		11.74	
0850	25	450	11.25	55.92	0	362	<1	0.31	6	7.26	0	126.6	<1				
0855	30	450	13.5	55.90	<1	362	0	0.30	3	7.24	0.02	127.3	<1	0.14		11.74	
0900	35	450	15.75	55.97	<1	362	0	0.33	9 ✓	7.26	0.02	126.7	<1				
0905	40	450	18	56.03	<1	362	0	0.32	3	7.26	0	126.2	<1	0.15		11.74	
0910	45	450	20.25	56.05	<1	362	0	0.30	6	7.27	0.01	125.7	<1				
0915	50	450	22.5	56.10		362		0.27		7.26		125.7					
0920	55	450	24.75 ✓	56.18		362		0.27		7.27		125.4					
~~0925~~	~~60~~	~~450~~	~~27~~ TR	(13.43)													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/- 10 mV		<10 NTU or +/-10%		<0.3 ft or 2% of aquifer	

Sample ID: B/W-15 **Sample Date/Time:** 3/14/08 0920 **Sampler:** TR

Analysis Requested: NDEP Profile 2

		Volume:	Filtered:	Preserv.
X	Dissolved Metals	500 ml	Filtered	HNO3
X	Radionuclides	8 L	Filtered	HNO3
X	TDS, pH, Alkalinity, Sulfate, Nitrate/Nitrite	500 ml	Unfiltered	None
X	TOC	250 ml	Unfiltered	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	Equipment rinsate blank

Bladder Pump Information:

dedicated		BP - Large or Small ID 59
4	2	Cycles per minute
50	30	Pressure (PSI)
9	11	Refill time
6	19	Discharge time

Comments:

%RPD= 200* (Read1-Read2) / (Read1+Read2)

Field Review P Barrett **QAQC Review**

3 consecutive stable readings before sampling

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-16D
Date: 3/18/08 Time: 1420

Screen Interval: 190 to 210
Static Water Level 191.45

Pump Sample depth: 204

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1435	0	500	0	18.13		834		5.97		7.75		78.2		100.6			
1440	5	500	2.5	18.08	0.27	750	10.6	3.65	48.2	7.82	0.17	71.6	8.81				
1445	10	500	5.0	18.07	0.05	721	3.94	2.61	33.23	7.96	0.14	67.4	6.04	86.43		191.65	0.20
1450	15	500	7.5	17.76	1.73	716	0.69	2.01	25.9	7.97	0.03	63.5	5.95	71.31	19.17		
1455	20	500	10.0	17.58	1.01	701	2.11	1.29	2.01	8.02	0.03	59.8	6.00	64.68	9.75	191.66	0.21
1500	25	500	12.5	17.46	0.68	697	0.57	1.67	25.68	8.03	0.01	57.9	3.22	58.96	18.25		
1505	30	500	15.0	17.47	0.06	695	0.28	1.88	11.83	8.05	0.02	55.9	3.51	52.94	10.75	191.65	0.20
1510	35	500	17.5	17.50	0.20	694	0.14	2.08	10.10	8.04	0.01	54.3	2.90	49.60	6.51	191.67	0.22
1515	40	500	20.0	17.51	0.06	693	0.14	2.28	9.17	8.05	0.01	52.5	3.7	32.78	40.84		
1520	45	500	22.5	17.47	0.06	693	0	2.41	5.54	8.05	0.01	51.3	2.31	29.21	11.5	191.68	0.23
1525	50	500	25	17.46	0.06	693	0	2.47	3.26	8.05	0	50.7	1.17	26.43	9.99	191.65	0.20
1530	55	500	27.5	17.46	0	692	0.14	2.55	2.38	8.05	0	50.2	0.99	22.4			
1535	60	500		17.47	0.06	692		2.71		8.05	0	49.1	1.81	17.6		191.65	0.20
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-16D
Sample Date and Time: 3/18/08 1545
Sampler: Corey J. Stevens

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	7 8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: 50

Dedicated		BP-Large or Small
2		Cycles per Minute
125		Pressure (PSI)
25		Refill Time
10		Discharge time

Comments: Used nitrogen gas cylinder for sampling

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-18D
Date: 3/18/08 Time: 945

Screen Interval: 154.75 to 174.75
Static Water Level 20.85

Pump Sample depth: 165

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
945	0	500		14.50		446		.76		8.21		85.4		194		20.90	
950	5	500	2.5	15.05	-3.7	433	2.96	.43	55.5	8.34	-.13	81.3	4.1	113	52.77	20.90	
955	10	500	5	14.57	3.24	428	1.16	.14	101.75	8.16	.18	89.9	-8.6	91.2	21.35	20.90	
1000	15	500	7.5	14.61	.27	425	.70	.15	6.9	8.11	.05	90.6	-.7	156	52.4	20.90	
1005	20	500	10	14.73	-.82	427	.47	.19	23.52	8.12	-.01	89.7	.9	178	13.17	20.90	
1010	25	500	12.5	14.74	.07	428	.23	.18	5.4	8.20	-.08	88.4	1.3	183	2.77	20.90	
1015	30	500	15.0	14.76	.14	433	1.16	.18	0	8.21	.01	85.7	2.7	229	22.33	20.90	
1020	35	500	17.5	14.74	.14	436	.69	.21	15.3	8.24	-.03	82.9	2.6	274	17.9	20.90	
1025	40	500	20.0	14.76	.14	439	.69	.18	15.3	8.19	.05	82.5	.4	287	4.63	20.90	
1030	45	500	22.5	14.78	.14	443	.91	.19	5.4	8.18	.01	80.8	1.7	300	4.4	20.90	
1035	50	500	25.0	14.74	.27	446	.67	.22	14.6	8.22	-.04	78.6	2.2	293	2.4	20.90	
1040	55	500	27.5	14.72	.14	448	.45	.19	14.6	8.21	.01	75.7	3.1	298	1.7	20.90	
1045	60		30.0	14.80	.54	450	.45	.23	19.	8.17	.04	72.9	2.2	302	13	20.90	.05
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-18D
Sample Date and Time: 3/18/08 1045
Sampler: Matt Renaud

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
	None	Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: ID: 58		
Dedicated		BP-Large or Small
	2	Cycles per Minute
	95	Pressure (PSI)
	12	Refill Time
	18	Discharge time

Comments:
Turbid water. silts present 1036 compressor shut off 1037 compressor restarted.

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barnett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-18I
Date: 3/18/08 Time: 8:15

Screen Interval: 116 to 136
Static Water Level 20.47

Pump Sample depth: 140

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
815	0	490		14.17		574		.70		7.57		112.7		1000 +		20.50	
820	5	490	1.96	14.33	1.12	585	1.9	.44	45.6	7.72	.15	111.3	.4	594	50.94	20.50	
825	10	490	4.9	14.42	.63	588	.68	.49	10.75	7.93	.21	102.3	9	345	53.05	20.50	
830	15	490	7.35	14.45	.21	588	0	.42	15.4	7.85	.08	106.5	.8	274	22.36	20.50	
835	20	490	9.8	14.48	.21	589	.17	.41	2.4	7.89	-.04	104.3	2.2	230	17.46	20.50	
840	25	490	12.25	14.48	0	590	.17	.67	-48.1	8.05	-.16	95.6	8.9	193	17.49	20.50	
845	30	490	14.7	14.43	.35	591	.17	.41	-48.1	7.95	.1	100.5	-4.9	143	29.76	20.50	
850	35	490	17.15	14.57	.97	590	.17	.38	7.6	7.96	-.01	98.3	2.2	121	16.6	20.50	
855	40	490	19.6	14.59	.14	591	.17	.38	0	7.85	.11	96.9	1.4	104	15.1	20.50	
900	45	490	22.05	14.60	.07	590	.17	.39	2.6	8.06	.21	94.2	2.7	105	.95	20.50	
905	50	490	24.5	14.63	.21	591	.17	.37	8	8.00	.06	91.9	2.2	98.1	6.79	20.50	
910	55	490	26.95	14.64	.07	590	.17	.37	0	8.00	0	91.7	.2	82.9	16.8	20.50	
915	60	490	29.4	14.58	.41	590	0	.37	0	8.03	.05	89.8	.9	~~11.8~~			.03
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-8I
Sample Date and Time: 3/18/08 915
Sampler: Matt Renand

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
None	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID 53

Dedicated	Lg	BP-Large or Small
	2	Cycles per Minute
	70	Pressure (PSI)
	17	Refill Time
	13	Discharge time

Comments:
Initially very silty

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-18S
Date: 3/18/08 Time: 1210

Screen Interval: 15 to 40
Static Water Level 20.98

Pump Sample depth: 40

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1228	0	450	—	14.53	—	2753		.07		7.68		55.5		1000+		21.10	
1233	5	400	2 ~~2.25~~	14.63	.66	2776	.83	.42	142.86	7.69	-.1	54.5	1.0	184		21.10	
1238	10	400	4 ~~4.50~~	14.63	0	2799	.83	.38	10	7.62	.07	54.6	-.1	152		21.10	
1237	15	400	6 ~~6.75~~	14.58	.34	2819	.71	.45	16.9	7.70	-.08	53.0	1.6	61.9		21.10	
1242	20	400	8 ~~9.00~~	14.67	.62	2853	1.2	.57	22.8	7.62	.08	53.9	-.9	62.4		21.10	
1247	25	400	10 ~~11.00~~	14.62	.34	2900	1.6	.41	32.7	7.64	-.02	52.9	1.0	44.4		21.10	
1252	30	400	12 ~~13.50~~	14.66	.27	2946	1.6	.41	0	7.63	.01	52.4	.5	38.5		21.10	
1257	35	400	14	14.67	.07	2995	1.6	.42	2.4	7.60	.03	53.0	-.6	39.1	✓	21.10	
1302	40	400	16	14.66	.07	3044	1.6	.43	2.4	7.58	-.02	53.0	0	26.2		21.10	
1307	45	400	18	14.66	0	3082	1.2	.42	2.4	7.58	0	52.9	-.1	27.9	✓	21.10	
1312	50	400	20	14.67	.07	3141	1.9	.45	6.9	7.53	.05	53.1	-.2	23.6	✓	21.10	
1317	55	400	22	14.66	.07	3169	.9	.44	2.2	7.61	.08	51.9	1.2	21.4	✓		-.12
1322	60	400	24	14.66	0	3192	.72	.44	0	7.59	.02	51.8	.1	26.9	✓		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 3/18/08 13:25

Sampler: Matt Renaud

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

None

Bladder Pump Information: ID

Dedicated	LG	BP-Large or Small
	2	Cycles per Minute
	40	Pressure (PSI)
	23	Refill Time
	7	Discharge time

Comments:

initial purge is chocolate milk colored w/ sediment.

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-19D
Date: 4/10/08 Time: 1200

Screen Interval: 204.5 to 224.5
Static Water Level 97.17

Pump Sample depth: 215

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1215	0	500	0													97.15	
1220	5	500		17.41		1001		2.06		8.06		-77.4		2.83			
1225	10	500	5	17.35	0.3	995	0.6	1.91	7.5	8.04	0.02	-78.2	0.6	1.44	✓	97.15	
1230	15	500		17.37	0.1	992	0.3	1.86	2.6	8.03	0.01	-72.6	5.6	0.78	✓		
1235	20	500	10	17.43	0.3	989	0.3	1.84	1.1	8.05	0.02	-69.1	3.5	0.54	✓	97.15	
1240	25	500		17.43	0	983	0.6	1.76	4.4	8.03	0.02	-64.6	4.5	0.98	✓		
		→ stop pumping, ran out of gas															
1245	25	Start again															
1250	30	500	15	17.33	0.6	982	0.1	1.87	6.1	8.02	0.01	-57.4	7.2	0.52	✓	97.18	
1255	35	500		17.45	0.7	983	0.1	1.84	1.6	8.03	0.01	-53.7	3.7	0.62	✓		
1300	40	500	20	17.45	0	983	0	1.83	0.5	8.05	0.02	-51.3	2.4	0.54	✓	97.14	
1305	45	500		17.47	0.1	980	0.3	1.80	1.6	8.02	0.03	-47.6	3.7	0.63	✓		
1310	50	500	25	17.41	0.3	977	0.3	1.76	2.2	8.02	0	-45.0	2.6	0.84	✓	97.2	.03
1315	55	500	27.5	17.38	0.2	977	0	1.79	1.7	8.02	0	-43.4	1.6	0.57	✓		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-19D-1 **Sample Date and Time:** 4/10/08 1315 **Sampler:** Royanne Barringer / Penny Bassett

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID: B/W-19D-2

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID 48 gas comp.

Dedicated		BP-Large or Small
	2	Cycles per Minute
	100	Pressure (PSI)
	22	Refill Time
	8	Discharge time

Comments: Some small bubbles building up onsides of flow cell but no obvious bubbles from leak in sample line

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: _____ QAQC Review: _____

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-19I
Date: [illegible] Time: [illegible]

Screen Interval: 140 to 160
Static Water Level [illegible]

Pump Sample depth: 150

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
[illegible]	0	[illegible]		16.11		[illegible]		6.03		7.95		66.9		6.62		26.36	
[illegible]	5	500	2.5	16.56		1071		6.42		7.92		64.3		13.3		26.36	
[illegible]	10	500	5	16.71		1071		6.02		7.92		68.3		6.25		26.36	
835	15	[illegible]	7.5	16.54		1059		5.84		7.92		70.2		5.55		26.36	
840	20	500	10	16.64		1037		5.58	1.7	7.90		72.3		5.65		26.36	
845	25	500	12.5	16.65	.06	1037	0	5.72	.35	7.90	0	73.1		5.52	2.32	26.36	
850	30	500	15	16.92	.78	1037	0	5.74	.35	7.93	.03	72.8	.3	3.57	35.14	26.36	
855	35	500	17.5	16.68	.96	1036	.09	5.73	.17	7.91	.02	73.7	.9	3.52	5.76	26.36	
900	40	500	20	16.72	.24	1037	.09	5.74	.17	7.92	.01	73.1	.6	3.56	5.48	26.36	
905	45	500	22.5	16.71	.06	1036	.09	5.71	.52	7.92	0	73.6	.5	4.01	41.89	26.36	.15
~~910~~	~~50~~																
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-19I
Sample Date and Time: 3/14/08 905
Sampler: M. H Reynard

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID 55

Dedicated	Y	BP-Large or Small
	2	Cycles per Minute
	100	Pressure (PSI)
	15	Refill Time
	15	Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-19S

Date: 3/13/08 Time: 1550

Screen Interval: 90 to 110

Static Water Level 96.39

Pump Sample depth: 104

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1550	0	500	—	12.03		1062		7.00		7.47		70.7		28.2		96.41	
1555	5	500	2.5	16.92	.64	1061	.94	6.36	9.58	7.49	= 02	75.8	-5.1	18.1	43.63	96.41	
1600	10	500	5	16.94	.12	1061	0	6.16	3.19	7.55	-.06	70.0	5.8	11.8	4.21	96.41	
1605	15	500	7.5	16.93	.06	1062	.09	6.04	1.97	7.58	-.02	66.8	-.1	8.55	21.07	96.41	
1610	20	500	10.0	16.95	.12	1061	.09	5.91	2.18	7.58	0	66.1	.8	9.28	2.87	96.41	
1615	25	500	12.5	16.88	.41	1061	0	5.89	.34	7.60	-.02	63.8	2.3	6.33	37.8	96.41	
1620	30	500	15.0	16.84	.24	1060	.09	5.92	.51	7.59	0.01	63.5	.3	6.30	.46	96.41	
1625	35	500	17.5	16.85	✓.06	1060	✓ 0	6.16	3.97	7.60	✓ -.01	63.8	✓ -.3	6.87	✓ 8.7	96.41	
1630	40	500	20.0	16.91	✓.35	1055	✓ .47	6.07	✓ 1.5	7.63	✓ -.03	63.0	✓ .8	5.07	✓ 30.2	96.41	
1635	45	500	22.5	16.80	.18	1054	✓ .38	5.87	✓ 3.31	7.57	.06	64.8	-.1	6.05	✓ 17.63		.02
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 3/13/08 1640

Sampler:

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small
		Cycles per Minute
		Pressure (PSI)
		Refill Time
		Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments: Initial purge >1.5 L

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-20
Date: 3/14/08 Time: 1010

Screen Interval: 35 to 55
Static Water Level 31.75

Pump Sample depth: 45

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C F	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	~~Delta~~ %RPD	NTU	%RPD	Ft	Drawdown
1020	0	500	0	58.23		341		1.88		8.03		-113.7		0.64	<10 NTU	31.90	0.15
1025	5	500	2.5	58.26	<1	349	2	0.54	110	7.86	0.17	-179.5	45				
1030	10	500	5	58.15	<1	349	0	0.32	51	7.86	0	-209.7	16	0.37	53.4	31.90	
1035	15	500	7.5	58.24	<1 ✓	350	<1 ✓	0.30	6	7.85	0.01	-228.3	8				
1040	20	500	10	58.15	<1	350	0	0.28	7	7.85	0 ✓	-237.0	4	0.30	20.89	31.90	
1045	25	500	12.5	58.21	<1	349	<1	0.26	7 ✓	7.86	0.01	-238.2	<1 ✓				
1050	30	500	15	58.15	<1	349	0	0.26	0	7.87	0.01	-237.8	<1	0.25	18.18	31.90	
1055	35	500	17.5	58.06	<1	349	0	0.28	7	7.88	0.01	-235.8	<1				
1100	40	500	20	58.07	<1	348		0.24	15	7.89	0.01	-234.6	<1	0.23	8.3	31.90	
1105	45	500	22.5	58.15	<1	347		0.21	13	7.90	0.01	-232.1	1				
1110	50	500	25	58.12		346		0.26		7.91		-230.9		0.28	19.6	31.80	0.05
1115	55	500	27.5	58.06		346		0.24		7.90		-229.3					
1120	60	500	30	58.06		347		0.24		7.89		-228.8					
				14.57													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-20 **Sample Date and Time:** 3/14/08 1120 **Sampler:** TWR

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small ID 57
2		Cycles per Minute
25		Pressure (PSI)
13		Refill Time
17		Discharge time

Comments: 4-inch well, purge volume is 49.5 L for stablization

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-21
Date: 3/17/08 Time: 1020

Screen Interval: 64 to 84
Static Water Level 54.08

Pump Sample depth: 74

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1025	0	480		58.40		527		3.89		6.86		193.1		.60		54.08	
1030	5	480		58.09	.68	526		2.66		6.93		199.5		.52		54.07	
1035	10	480		58.06		525		2.58		6.94		197.6		.40		54.08	
1040	15	480		58.07		524		2.39		7.03		195.7		.48		54.08	
1045	20	480		58.10		525		2.36		7.16		188.0		.35		54.08	
1050	25	480		58.27		524		2.32		7.12		192.5		.40		54.08	
1055	30	480		58.22		524		2.31		7.11		192.6		.38		54.08	
1100	35	480		58.28	.10	524		2.30	4.3	7.10		193.6		.40		54.07	
1105	40	480		58.27	.01	524		2.22	3.5	7.11	-.01	192.5	1.1	.20	6.1	54.08	0
1110	45	480		58.28	-.01	524		2.29	3.0	7.11	0	192.4	.1	.25	25.22		
1115	50	480		58.26	.03	524		2.26	1.3	7.10	-.01	193.0	.6	.22	12.7		
				14.58													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-21
Sample Date and Time: 3/17/08 1115
Sampler: Matt Renaud

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID: BW-21

		Duplicate
	X	MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: ID: 50

Dedicated	Lg	BP-Large or Small
	2	Cycles per Minute
	45	Pressure (PSI)
	20	Refill Time
	10	Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-22D
Date: 3/17/08 Time: 1540

Screen Interval: 175 to 195
Static Water Level 154.83

Pump Sample depth: 185

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1545	0	500	0	62.85		1631		5.71		7.48		206.3		100.3		155.00	
1550	5	500	2.5	62.85		1658		5.40	4.2	7.32	.07	199.1	7.2	108.0	7.39	155.00	
1555	10	500	5.0	62.88		1661		5.50	.19	7.28	.14	227.2	28.1	54.33		155.00	
1600	15	500	7.5	62.85		1667		5.16	.34	7.42	.01	202.4		35.72		155.00	
1605	20	500	10.0	62.73		1672		5.07	.09	7.43	.01	195.0		26.58		155.00	
1610	25	500	12.5	62.77		1669		5.09	.02	7.36	.05	180.5		22.60		155.00	
1615	30	500	15.0	62.71	.12	1671	.1	5.06	.03	7.38	.06	184.7	.4	24.47	7.98	155.00	
1620	35	500	17.5	62.77	.12	1671	.0	5.08	.02	7.46	.04	166.9	17.8	15.11		155.00	
1625	40	500	20.0	62.66	.17	1675	.24	4.88	.20	7.42	.04	176.4	9.5	13.33		155.00	
1630	45	500	22.5	62.51	.24	1678	.18	4.83	.05	7.48	.1	156.3	20.1	11.13		155.00	
1635	50	500	25.0	62.48	.05	1679	.06	4.63	.20	7.42	.06	148.7	7.6	11.10	.02	155.00	.17
1640	55	500	27.5	62.49	.02	1681	.1	4.62	.01	7.40	.02	153.0	4.3	9.54	15.1		
1645	60	500	30	62.45	.06	1681	.12	4.70	.08	7.37	.03	157.4	4.4	10.93	13.6		
				1641													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-22D
Sample Date and Time: 3/17/08 1645
Sampler: Matt Renaud

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID 55

Dedicated	Y	BP-Large or Small
	2	Cycles per Minute
	95	Pressure (PSI)
	15	Refill Time
	15	Discharge time

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-23D
Date: 3/19/08 Time: 0750

Screen Interval: 302 to 312
Static Water Level 228.83

Pump Sample depth: 307

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
0815	0	500	0	14.42		686		3.56		7.73		19.7					
0820	5	500	2.5	14.74	2.19	686	0	2.94	19.07	7.71	0.02	16.5	17.67	19.50		229.01	0.18
0825	10	500	5.0	16.11	8.88	688	0.29	1.16	86.83	7.73	0.02	9.2	56.8	10.81			
0830	15	500	7.5	16.20	0.55	688	0	1.08	7.14	7.73	0	8.3	10.28	9.68	<10NTU	229.05	0.22
0835	20	500	10.0	16.30	0.61	686	0.29	1.40	25.8	7.72	0.01	7.4	11.46	6.54	<10NTU	229.06	0.23
0840	25	500	12.5	16.35	0.30	685	0.14	1.41	6.14	7.72	0	7.6	2.66	7.81	<10NTU		
0845	30	500	15.0	16.39	0.24	683	0.28	1.43	8.91	7.71	0.01	7.9	3.87	6.75	<10NTU	229.05	0.22
0850	35	500	17.5														
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-23D

Sample Date and Time: 3/19/08 0905

Sampler: C. STRAUSS Cory J. Strauss

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	78L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 50

Dedicated		BP-Large or Small
2		Cycles per Minute
175		Pressure (PSI)
20		Refill Time
10		Discharge time

Comments:

WHILE REELING UP WL METER, PROBE APPEARED TO BE COVERED IN SUDS.

* 10' Screen, less purge volume req'd

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-25D

Date: 3/19/08 Time: 1150

Screen Interval: 218 to 238

Static Water Level 20.40

Pump Sample depth: 228

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
						285		3.21		8.12		42.6		43.6		21.55	
1155	0	500	0	14.74		312	9.05	.27	168.90	800	.19	-97.4	140	22.17	65.2	21.55	
1200	5	500	2.5	14.79	.34	3.07	1.6	.19	34.78	797	.03	-96.7	-.7	7.43	99.6	21.55	
1205	10	500	5.0	14.85	.40	283	8.1	.18	5.41	7.95	.02	-87.7	-9.0	4.79	43.2	21.55	
1210	15	500	7.5	14.83	-.13	264	6.9	.20	-10.53	7.91	.04	-80.8	-6.9	2.86	50.5	21.55	
1215	20	500	10.0	14.83	0	257	2.7	.21	4.9	7.86	.05	-80.6	-.2	2.69	6.12	21.55	
1220	25	500	12.5	14.88	.34	252	1.9	.20	4.9	7.83	.03	-80.1	.5	2.68	.37	21.55	
1225	30	500	15.0	14.96	.54	249	1.6	.21	4.9	7.85	.02	-83.9	3.8	2.54	5.4	21.55	
1230	35	500	17.5	14.96	0	248	.40	.22	4.7	7.84	.01	-87.6	3.7	2.20	14.3	21.55	
1235	40	500	20.0	14.96	0	247	.4	.21	4.7	7.89	.05	-90.7	3.1	2.06	6.6	21.55	
1240	45	500	22.5	14.94	.13	246	.4	.21	0	7.84	.05	-89.3	1.4	2.08	.96	21.55	1.15
1245	50	500	25.0	14.96	0												
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: BW-25D

Sample Date and Time: 3/19/08 1250

Sampler: Matt Renaud

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 52

Dedicated	Lg	BP-Large or Small
	2	Cycles per Minute
	40	Pressure (PSI)
	18	Refill Time
	12	Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-25I
Date: 3/12/08 Time: 1230

Screen Interval: 102 to 122
Static Water Level 19.09

Pump Sample depth: 112

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1245	0	500	0	14.94		1147		0.75		7.57		147.8		0.91	<10NTU	19.11	0.02
1250	5	500	2.5	14.69	1.68	1150	0.26	0.22	109	7.56	0.01	146.5	0.88	0.89	<10NTU	19.10	0.01
1255	10	500	5.0	14.57	0.82	1149	0.08	0.18	20.0	7.54	0.02	144.4	1.44	0.96	<10NTU	19.11	0.02
1300	15	500	7.5	14.61	0.27	1149	0.00	0.15	18.18	7.54	0.00	142.5	<10mV	1.06	<10NTU	19.12	0.03
1305	20	500	10.0	14.79	1.22	1149	0.00	0.15	0.00	7.55	0.01	140.5	<10mV	1.03	<10NTU	19.13	0.04
1310	25	500	12.5	14.63		1151	0.53	0.15	0.00	7.51	0.04	138.6	<10mV	1.16	<10NTU	19.11	0.02
1315	30	500	15.0	14.55		1152	0.26	0.15	0.00	7.53		137.1	<10mV	0.99	<10NTU		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-25 I
Sample Date and Time: 3/12/08 1330
Sampler: Cory J. Strauss

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small
2		Cycles per Minute
90		Pressure (PSI)
18		Refill Time
12		Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: P Barnett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-25S
Date: 3/12/08 Time: 1230

Screen Interval: 29 to 49
Static Water Level 17.94

Pump Sample depth: 39

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1235	0	500	0	58.35		1423		2.46		7.42		163.3					
1240	5	500	2.5	58.26	<1	1419	<1	2.07	17	7.41	0.01	157.7	3	1.51	<10 NTU	17.94	-0.00
1245	10	500	5	58.13	<1	1410	<1	1.93	7	7.40	0.01	152.6	3	0.78		17.94	-0.00
1250	15	500	7.5	58.46	<1	1405	<1	1.91	1	7.40	0	148.2	3			17.95	-0.02
1255	20	500	10	57.94	<1	1407	<1	1.76	8	7.41	0.01	145.1	2	0.57		17.97	0.03
1300	25	500	12.5	58.15	<1	1402	<1	1.74	1	7.41	0	142.5	2			17.98	0.04
1305	30	500	15	58.53		1398		1.64	6	7.41	0	140.8	1	0.52		17.99	0.05
1310	35	500	17.5	58.13		1403		1.67		7.42		137.6					
				14.51													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time: 3/12/08 1310

Sampler: TR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:

		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

Dedicated		BP-Large or Small
2		Cycles per Minute
25		Pressure (PSI)
13		Refill Time
17		Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-27D
Date: 3/12/08 Time: 1030

Screen Interval: 230 to 250
Static Water Level 24.91

Pump Sample depth: 240

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1040	0	500	0	13.00		607		0.61		7.54		140.7		1.43	<10 NTU	24.93	
1045	5	500	2.5	13.16	1.22	607	0	0.36	51.54	7.47	0.07	142.3	1.13	2.07	<10 NTU	24.94	
1050	10	500	5.0	13.26	0.76	607	0	0.32	11.76	7.50	0.03	141.7	0.42	2.01	<10 NTU	24.97	
1055	15	500	7.5	13.30	0.30	606	0.16	0.31	3.17	7.50	0.00	141.2	0.35	1.76	<10 NTU	24.97	
1100	20	500	10.0	13.28	0.15	606	0.00	0.30	3.27	7.51	0.01	140.6	0.42	1.82	<10 NTU	24.95	
1105	25	500	12.5	13.31	0.22	606	0.00	0.29	3.38	7.50	0.01	139.9	0.49	1.99	<10 NTU	24.93	
1110	30	500	15.0	13.34		606	0.00	0.30		7.51		138.7		2.16	<10 NTU	24.94	.03
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-27D
Sample Date and Time: 3/12/08 1130
Sampler: C. STRAUSS

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small
	2	Cycles per Minute
	60	Pressure (PSI)
	24	Refill Time
	6	Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments: REACHED STABILIZATION CRITERIA AND PURGE VOLUME CRITERIA AFTER 30 min. COLLECT SAMPLE.

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-27S
Date: 3/12 Time: 1040

Screen Interval: 16 to 36
Static Water Level 18.16

Pump Sample depth: 30

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1040	0	500	0	53.68		435		7.09		6.78		186.8		7.81		18.16	0
1045	5	500	2.5	53.70	<1	426	2	6.23	13	6.77	0.01	186.5	<1	10.2	/	18.17	0.01
1050	10	500	5	53.68	<1	425	<1	5.81	7	6.78	0.01	185.7	<1	8.57	<10 NTU	18.17	
1055	15	500	7.5	53.74	<1	423	<1	5.93	2	6.80	0.02	187.3	<1	7.62		18.17	
1100	20	500	10	53.67	<1	422	<1	5.72	4	6.77	0.03	189.0	<1	5.16		18.17	
1105	25	500	12.5	53.78	<1	420	<1	5.42	5	6.71	0.06	190.7	<1	4.41		18.17	
1110	30	500	15	53.75		419		5.72		6.75	0.04	189.2	<1	4.32		18.17	-.01
				12.08													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID:

Sample Date and Time:

Sampler: TC

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:

		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

Dedicated		BP-Large or Small
2		Cycles per Minute
~~60~~ 70	20	Pressure (PSI)
20		Refill Time
10		Discharge time

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

Comments:

3 Consecutive stable readings before sampling

Field Review: P Barnett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-28D
Date: 3/17/08 Time: 1450

Screen Interval: 150 to 170
Static Water Level 46.65

Pump Sample depth: 160

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1455	0	500	0	16.26		683		2.55		8.80		25.7		61.45		46.80	0.15
1500	5	500	2.5	16.10	0.98	659	3.57	0.16	176.4	8.63	0.17	-30.5		12.33			
1505	10	500	5.0	16.22	0.74	657	0.30	0.17	6.06	8.54	0.09	-48.9	47.9	7.13	<10NTU	46.81	0.16
1510	15	500	7.5	15.95	1.67	652	1.07	0.19	11.11	8.53	0.01	-59.7	19.8	6.54	<10NTU	46.80	0.15
1515	20	500	10.0	15.93	0.12	650	0	0.20	5.12	8.49	0.04	-64.2	7.26	5.87	<10NTU		
1520	25	500	12.5	15.92	0.06	649	0.15	0.20	0	8.40	0.09	-71.6	10.89	6.13	<10NTU	46.83	0.18
1525	30	500	15.0	15.92	0	647	0.30	0.21	4.87	8.34	0.06	-78.8	9.57	5.76	<10NTU	46.82	0.17
1530	35	500	17.5	15.93	0.06	641	0.93	0.21	0	8.38	0.04	-86.8	9.43	5.96	<10NTU		
1535	40	500	20.0	15.92	0.06	643	0.31	0.22	4.65	8.30	0.08	-93.8	7.75	6.23	<10NTU	46.81	0.16
1540	45	500		15.96		657		0.21		8.28		-102.4	8.76	5.77	<10NTU		
1545	50	500		15.98		640		0.20		8.29		-106.7		6.08	<10NTU		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-28D
Sample Date and Time: 3/17/08 1600
Sampler:

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small
		Cycles per Minute
		Pressure (PSI)
		Refill Time
		Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: PBarrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-28I
Date: 3/17/08 Time: 1330

Screen Interval: 95 to 115
Static Water Level 47.91

Pump Sample depth: 105

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1340	0	500	0	16.03		758		2.44		7.68		96.5				47.96	0.05
1345	5	500	2.5	15.90	0.81	776	2.34	0.25	162.8	7.59	0.09	92.3	4.45	20.3			
1350	10	500	5.0	15.95	0.31	777	0.38	0.18	32.56	7.53	0.06	87.3	5.56	10.69		48.01	0.10
1355	15	500	7.5	15.93	0.12	781	0.25	0.19	5.4	7.53	0	82.1	6.14	9.64	<10NTU	48.03	0.12
1400	20	500	10.0	15.97	0.25	780	0.25	0.18	5.4	7.57	0.04	77.4	3.34	5.87	<10NTU		
1405	25	500	12.5	16.10	0.93	781	0.25	0.19	5.4	7.58	0.01	72.9	5.91	3.04	<10NTU	48.02	0.11
1410	30	500	15.0	16.09	0.06	782	0.26	0.20	5.5	7.57	0.01	67.6	6.30	3.12	<10NTU	48.06	0.15
1415	35	500	17.5	16.02	0.43	785	0.38	0.21	5.4	7.59	0.02	60.1	7.54	2.97	<10NTU	48.05	0.14
1420	40	500	20.0	16.10	0.49	788	0.38	0.21	0	7.57	0.02	57.0	5.29	3.21	<10NTU		
1425	45	500	22.5	15.97	0.81	793	0.63	0.21	0	7.57	0	52.7	7.83	3.26	<10NTU	48.07	0.16
1430	50	500	25.0	15.99		798		0.22		7.56		49.5					
																	0.16
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-28I **Sample Date and Time:** 3/17/08 1450 **Sampler:** C. STRAUSS Corey J. Strauss

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 584

Dedicated		BP-Large or Small
2		Cycles per Minute
65		Pressure (PSI)
16		Refill Time
14		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-28S
Date: 3/17/08 Time: 1610

Screen Interval: 40 to 60
Static Water Level 47.48

Pump Sample depth: 55

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
										7.52		-41.6		7.14		47.65	0.17
1615	0	500	0	16.53		1290		5.02									
1620	5	500	2.5	15.97	3.44	1294	0.31	3.02	49.75	7.36	0.16	-37.5	10.36	6.96	<10 NTU		
1625	10	500	5.0	15.79	1.71	1311	1.30	2.53	17.65	7.36	0	-28.1	28.66	6.81	<10 NTU	47.66	0.18
1630	15	500	7.5	15.76	0.19	1312	0.07	2.32	8.65	7.34	0.02	-15.5	57.7	6.99	<10NTU		
1635	20	500	10.0	15.77	0.06	1313	0.07	2.21	4.85	7.33	0.01	-11.6	28.78	7.08	<10 NTU	47.65	0.17
1640	25	500	12.5	15.77	0	1312	0.07	2.08	6.06	7.32	0.01	-9.2	23.07	7.24	<10NTU		
1645	30	500	15.0	15.80	0.19	1311	0.07	2.01	3.42	7.32	0	-5.5	56.34	6.81	<10NTU	47.66	0.18
1650	35	500	17.5	15.81	0.06	1312	0.07	2.03	0.97	7.34	0.02	-2.6	71.6	6.72	<10NTU	47.65	0.17
1655	40	500	20.0	15.82	0.06	1311	0.07	2.08	2.43	7.33	0.01	+2.8	83.14	7.36	<10NTU	47.68	0.20
1700	45	500	22.5	15.83	0.06	1311	0	2.10	0.95	7.34	0.01	3.0	6.89	6.90	<10NTU	47.70	0.22
1705	50			15.77		1311	0	2.16		7.34	0	3.2	6.45	6.82	<10NTU	47.71	0.23
																	0.23
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-28S
Sample Date and Time: 3/17/08 1725
Sampler: C. Strauss Corey J. Strauss

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 57

Dedicated		BP-Large or Small
2		Cycles per Minute
45		Pressure (PSI)
19		Refill Time
11		Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Comments:

Field Review: P Barrett

QAQC Review:

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-29D

Date: 3/19/08 Time: 1000

Monitoring Log

Screen Interval: 360 to 380

Static Water Level 78.45

Event Q1-2008

Pump Sample depth: 370 ← SCREEN DEPTH

WHAT IS DEPTH OF PUMP

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1010	0	500	0	13.91		1595		2.88		9.45		91.5					
1015	5	500	2.5	14.20	2.06	1937	19.36	0.35	156.7	8.27	1.18	78.5	15.3			78.60	0.15
1020	10	500	5.0	14.26	0.42	1948	0.56	0.22	45.61	8.10	0.17	64.2	20.04	6.87	<10NTU	78.61	0.16
1025	15	500	7.5	14.38	0.83	1960	0.61	0.13	51.4	7.98	0.12	19.7	106.1	7.01	<10NTU		
1030	20	500	10.0	14.36	0.13	1961	0.05	0.12	8	7.97	0.01	13.1	40.24	7.52	<10NTU	78.63	0.18
1035	25	500	12.5	14.39	0.20	1963	0.11	0.11	8.69	7.92	0.05	-12.6	156.1	6.91	<10NTU		
1040	30	500	15.0	14.39	0	1962	0.06	0.11	0	7.92	0	-27.0	72.72	6.84	<10NTU	78.65	0.20
1045	35	500	17.5	14.42	0.20	1962	0	0.10	9.52	7.91	0.01	-41.6	42.52	6.75	<10NTU		
1050	40	500	20.0	14.44	0.13	1963	0.06	0.09	10.52	7.90	0.01	-252.5	23.16	7.03	<10NTU	78.64	0.19
1055	45	500	22.5	14.45	0.07	1962	0.06	0.08	11.76	7.89	0.01	-69.4	27.72	8.00	<10NTU	78.66	0.21
1100	50	500	25.0	14.45	0	1963	0.06	0.08	0	7.89	0	-77.4	10.89	7.35	<10NTU		
1105	55	500	27.5	14.46	0.07	1961	0.13	0.08	0	7.90	0.01	-83.1	7.102	6.12	<10NTU	78.67	0.22
1110	60	500	30.0	14.49	0.22	1963	0.13	0.07	13.33	7.90	0	-86.6	4.12	8.61	<10NTU	78.69	0.24
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-29D

Sample Date and Time: 3/19/08 1120

Sampler: C. STRAUSS Cory J. Strauss

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID: B/W-29D

	Duplicate
X	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 50

Dedicated		BP-Large or Small
2		Cycles per Minute
90		Pressure (PSI)
20		Refill Time
10		Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: P Basset

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-29I-1
Date: 3/14/08 Time: 0740

Screen Interval: 122 to 132
Static Water Level 76.05

Pump Sample depth: 127

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
0750	0	500	0	13.48		4540		1.59		6.43		107.5		48.3			
0755	5	500	2.5	13.60	0.88	4682	3.07	0.61	89.1	6.46	0.03	99.8	7.42	46.2		76.24	0.19
0800	10	500	5.0	13.71	0.81	4546	2.59	0.35	54.62	6.52	0.06	86.2	14.62	18.5		76.27	0.22
0805	15	500	7.5	13.69	0.14	4426	2.67	0.28	22.2	6.56	0.04	73.1	16.46	9.31	<10NTU	76.30	0.25
0810	20	500	10.0	13.67	0.15	4372	1.23	0.27	3.64	6.58	0.02	66.3	9.75	6.92	<10NTU	76.29	
0815	25	500	12.5	13.64	0.87	4346	0.59	0.24	11.76	6.59	0.01	61.6	7.35	6.68	<10NTU		
0820	30	500	1500	13.64	0	4321	0.57	0.22	8.69	6.60	0.01	56.4	8.81	7.91	<10NTU	76.28	
0825	35	500	17.5	13.66	0.14	4314	0.16	0.22	0	6.61	0.01	54.4	3.61	6.87	<10NTU	76.29	
0830	40	500	20.0	13.58	0.88	4292	0.51	0.22	0	6.61	0	51.2	6.06	6.34	<10NTU	76.30	.25
~~0835~~	~~45~~																
~~0840~~	~~50~~																
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-29I1
Sample Date and Time: 3/14/08 0910
Sampler: C. STRAUSS Corey J. Strauss

Analysis Requested: NDEP Profile 2

	Analysis	Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID: B/W-29I1-D2

X	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 56

Dedicated		
2		BP-Large or Small
85		Cycles per Minute
14		Pressure (PSI)
16		Refill Time
		Discharge time

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

Comments:

3 Consecutive stable readings before sampling

Field Review: PBassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-29I-2
Date: 3/14/08 Time: 1030

Screen Interval: 185 to 195
Static Water Level 76.60

Pump Sample depth: 190

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1035	0	500	0	14.16		2427		2.28		7.11		-17.6		10.7		76.83	0.23
1040	5	500	2.5	13.97	1.35	2612	7.34	0.19	169.2	7.37	0.26	-10.6	49.6	13.1			
1045	10	500	5.0	13.92	0.35	2620	0.30	0.16	17.14	7.39	0.03	-4.9	73.54			76.81	0.21
1050	15	500	7.5	13.93	0.07	2623	0.14	0.17	6.06	7.40	0.01	-1.0	132	7.91	<10 NTU		
1055	20	500	10.0	13.93	0	2627	0.15	0.18	5.17	7.40	0	+3.5	98.6	8.23	<10 NTU	76.85	0.25
1100	25	500	12.5	13.89	0.28	2626	0.03	0.20	9.98	7.41	0.01	4.5	0.	8.06	<10 NTU		
1105	30	500	15.0	13.69	1.45	2623	0.11	0.22	9.52	7.41	0	6.8	2.5	8.10	<10 NTU	76.83	0.23
1110	35	500	17.5	13.70	0.07	2624	0.03	0.21	4.65	7.41	0	6.7	1.48	7.68	<10 NTU		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-29I-2
Sample Date and Time: 3/14/08 1125
Sampler: C. STRAUSS Craig J. Strauss

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 54

Dedicated		BP-Large or Small
2		Cycles per Minute
110		Pressure (PSI)
16		Refill Time
4		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: B/W-29S
Date: ~~0910~~ 3/14/08 Time: 0910

Screen Interval: 95 to 115
Static Water Level 76.08

Pump Sample depth: 105

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
0915	0	500	0	13.75		3865		2.16		5.05		100.7		~~384~~85.5			
0920	5	500	2.5	13.87	0.86	3861	0.10	0.34	145	5.05	0	108.4	7.36	46.9		76.30	0.22
0925	10	500	5.0	13.81	0.43	3829	0.83	0.28	19.4	5.10	0.05	116.4	7.11	21.4			
0930	15	500	7.5	13.81	0	3797	0.83	0.26	7.40	5.14	0.04	117.4	0.85	17.7		76.29	0.21
0935	20	500	10.0	13.78	0.21	3757	1.21	0.25	3.92	5.20	0.06	117.2	0.17	15.9			
0940	25	500	12.5	13.75	0.21	3704	1.26	0.23	8.33	5.25	0.05	115.2	1.72	11.8		76.31	
0945	30	500	15.0	13.73	0.15	3682	0.59	0.24	4.25	5.29	0.04	113.3	1.66				
0950	35	500	17.5	13.76	0.22	3663	0.51	0.22	8.69	5.32	0.03	112.0	1.55	9.04	<10NTU	76.28	
0955	40	500	20.0	13.77	0.07	3644	0.52	0.21	4.89	5.34	0.02	110.3	1.52	9.24	<10NTU	76.30	
1000	45	500	22.5	13.96	0.08	3624	0.55	0.21	0	5.37	0.03	108.3	1.82	8.76	<10NTU	76.29	.19
1005	50	500	25.0	13.77	0.08	3605	0.52	0.20	4.79	5.38	0.01	107.5	0.75	7.62	<10NTU		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: B/W-29S
Sample Date and Time: 3/14/08 1025
Sampler: C. STRAUSS Corey J. Strauss

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: 54

Dedicated		BP-Large or Small
2		Cycles per Minute
70		Pressure (PSI)
16		Refill Time
14		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: D4BC-1
Date: 3/18/08 Time: 1530

Screen Interval: 19-39
Static Water Level 15.61

Pump Sample depth: 30

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1445	0	500	0	14.58		2176		1.10		7.14	←	172.8		0.35	<10NTU	15.65	0.04
1450	5	500	2.5	14.68	<1	2005	8	1.20	9	7.26	<1	165.9	7	0.20	<10NTU	15.63	0.02
1455	10	500	5	14.64	<1	1757	13	2.82	81	7.33	<1	157.4	9	0.21	<10NTU	15.64	0.03
1500	15	500	7.5	14.65	<1	1733	1	2.83	<1	7.32	<1	153.4	4				
1505	20	500	10	14.58	<1	1726	<1	2.86	1	7.33	<1	150.4	3	0.20	<10NTU	15.62	0.01
1510	25	500	12.5	14.65	<1	1724	<1	2.94	3	7.32	<1	147.6	2.8			15.60	0
1515	30	500	15	14.69	<1	1727	<1	2.88	2	7.34	<1	145.0	3	0.19	<10NTU	15.61	0
1520	35	500	17.5	14.68	<1	1728	<1	2.84	1	7.33	<1	144.3	<1			15.61	0
1525	40	500	20	14.68	0	1733	<1	2.93	3	7.33	0	141.2	3				
1530	45	500	22.5	14.66	0	1737	<1	2.91	<1	7.33	0	142.2	<1	0.15	<10NTU	15.65	0.04
1535	50	500	25	14.61	<1	1741	<1	2.79	4	7.33	0	140.9	1			15.61	0
1540	55	500	27.5	14.68	<1	1744	<1	2.80	<1	7.32	<1	140.0	<1	0.12	<10NTU	15.63	0.02
1545	60	500	30	14.71	<1	1748	<1	2.71	3	7.32	<1	137.5	3			15.71	0.10
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: D4BC-1 **Sample Date and Time:** 3/18/08 1545 **Sampler:** BW

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

None

Bladder Pump Information:		
Dedicated	small	BP-Large or Small ID # 53
	2	Cycles per Minute
	20	Pressure (PSI)
	17 sec	Refill Time
	13 sec	Discharge time

Comments: Previous conductivites 1500 - 2400 uS

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: W5AB-3
Date: 3-19-08 Time: 1330

Screen Interval: 41.7'-66.2'
Static Water Level 17.23

Pump Sample depth: 54.0'

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1400	0	450		14.95		2896		0.72		6.86		187.3		0.68		17.41	0.18
1405	5	450	2.25	14.96	<1	2917	<1	0.92	-30.6	6.86	0	183.3	4.0	30.8	191.4	17.35	0.12
1410	10	450	4.50	14.94	<1	2910	<1	0.74	27.9	6.83	0.03	180.8	2.5	26.6	14.6	17.47	0.24
1415	15	450	6.75	14.95	<1	2923	<1	0.62	17.6	6.82	0.01	180.4	0.4	26.6	0	17.41	0.18
1420	20	450	9.00	14.96	<1	2944	<1	0.55	11.97	6.83	0.01	177.5	2.9	16.4	47.4	17.48	0.25
1425	25	450	11.25	14.87	<1	2936	<1	0.54	1.83	6.84	0.01	175.0	2.5	11.0	39.4	17.45	0.22
1430	30	450	13.50	14.96	<1	2948	<1	0.52	3.8	6.84	0	172.9	2.1	14.0	24.0	17.39	0.16
1435	35	450	15.75	14.95	<1	2950	<1	0.53	-1.9	6.82	0.02	172.0	0.9	13.5	3.6	17.52	0.29
1440	40	450	18.00	14.89	<1	2953	<1	0.51	3.84	6.82	0	170.1	1.9	10.7	23.1	17.40	0.17
1445	45	450	20.25	14.90	<1	2956	<1	0.51	0	6.83	0.01	165.3	4.8	8.28	25.5	17.51	0.28
1450	50	450	22.50	14.89	<1	2942	<1	0.50	1.99	6.82	0.01	162.4	2.9	10.7	25.5	17.44	0.21
1455	55	450	24.75	14.89	0	2942	0	0.50	0	6.84		161.5	25.5	7.36	37.0	17.41	0.18
1500	60	450	27.00	14.85	<1	2946	<1	0.47	6.18	6.84		161.2		7.70	4.5	17.50	0.27
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: 54 **Sample Date and Time:** 3-19-08 / 1500 **Sampler:** Briana Wright

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated	small	BP-Large or Small
	2	Cycles per Minute
	34	Pressure (PSI)
	16sec	Refill Time
	14sec	Discharge time

Comments: Filtered samples - the water went through the flow through cell

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Monitoring Log

Event Q1-2008

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: D5AC-1
Date: 3-19-08 Time: 0935

Screen Interval: 28'-33' bgs
Static Water Level 25.8 btoc

Pump Sample depth: 31.0'

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1000	~~50~~	300	1.5	15.03		14533		0.87		6.59		135.8		0.54	<10NTU	27.2	1.4
1005	~~55~~	250	2.75	15.03	0	14465	0.5	0.86	1.2	6.56	0.03	136.3	0.5	6.39	<10NTU	27.08	1.28
1010	~~1010~~	250	4.0	15.03	0	14352	0.8	0.97	12.0	6.55	0.01	136.9	0.6	0.28	<10NTU	27.2	1.4
1015	~~2015~~	250	5.25	15.09	0.4	14314	0.3	0.97	0	6.53	0.02	137.5	0.4			27.18	1.38
1020	~~2520~~	250	6.5	15.05	0.3	14270	0.3	0.93	4.2	6.56	0.03	137.1	0.4	0.66	<10NTU	27.13	1.33
1025	~~3025~~	250	7.75	15.03	0.1	14258	0.1	1.02	9.2	6.54	0.02	138.0	0.9			27.22	1.42
1030	~~3530~~	250	9.0	15.05	0.1	14222	0.3	1.02	0	6.54	0	138.7	0.7	0.68	<10NTU	27.14	1.34
1035	~~4035~~	250	10.25	15.08	0.1	14217	0.0	1.05	2.9	6.53	0.01	138.9	0.2			27.23	1.43
1040	~~4540~~	250	11.5	14.97	0.7	14268	0.4	1.03	1.9	6.54	0.01	139.2	0.3	0.68	<10NTU	27.23	1.43
1045	~~5045~~	250	12.75	14.96	0.1	14265	0.02	1.02	1.0	6.53	0.01	139.7	0.5			27.21	1.41
1050	~~5050~~	250	14.0	14.98	0.1	14231	0.2	1.07	4.8	6.53	0	139.7	0	0.68	<10NTU	27.33	1.53
1055	~~55~~	200	15.0	15.03	0.3	14259	0.2	1.13	5.5	6.53	0	140.1	0.4			27.1	1.3
1100	~~00~~	200	16.0	14.99	0.3	14252	0.04	1.15	1.8	6.52	0.01	140.7	0.6	0.68	<10NTU	27.0	1.2
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: 47

Sample Date and Time: 3-19-08 1100

Sampler: Briana Wright

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity		N	NONE
	Sulfate, Nitrate/Nitrite	500 ml		
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

Dedicated	small	BP-Large or Small
	2	Cycles per Minute
	20-~~30~~	Pressure (PSI)
	15-~~23~~	Refill Time
	15-~~2~~	Discharge time

Comments: Filtered samples - the water went through the flowthroughcell

calibrated cond. to 1413 + read to 8974

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: MW-2
Date: 3/20/08 Time: 0830

Screen Interval: 65-80
Static Water Level 58.35

Pump Sample depth: 74

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
0845	0	500	0	17.38		6245		1.25		4.17		169.8					
0850	5	500	2.5	17.66	1.59	6302	0.90	2.26	57.55	4.18	0.01	173.0	1.86	8.61	<10NTU	58.40	0.05
0855	10	500	5.0	17.68	0.13	6304	0.03	2.16	4.52	4.18	0	172.4	0.34	9.24	<10NTU	58.39	0.04
0900	15	500	7.5	17.61	0.28	6305	0.01	2.15	0.46	4.18	0	170.9	0.874	8.75	<10NTU	58.39	0.04
0905	20	500	10.0	17.79	1.01	6307	0.03	1.95	10.21	4.18	0	169.1	1.058	8.99	<10NTU		
0910	25	500	12.5	17.78	0.05	6307	0	1.89	3.125	4.18	0	168.3	0.47	8.45	<10NTU	58.39	0.04
0915	30	500	15.0	17.74	0.22	6305	0.03	1.74	8.26	4.18	0	167.0	0.77	7.81	<10NTU	58.40	0.05
0920	35	500	17.5	17.90	0.89	6305	0	1.60	8.38	4.18	0	165.8	0.77	7.96	<10NTU		
0925	40	500	20.0	17.85	0.27	6306	0.02	1.53	4.47	4.18	0	164.6	0.72	8.07	<10NTU	58.38	0.03
0930	45	500	22.5	17.84	0.05	6306	0	1.46	4.68	4.17	0.01	163.6	0.61	8.14	<10NTU		
0935	50	500	25.0	17.80	.22	6309	.09	1.40	4.19	4.18	0.01	162.8	.49	8.35	<10NTU		
0940	55	500	27.6	17.83	.16	6306	.04	1.34	4.37	4.18	0	162.2	.36	8.48	<10NTU		
0945	60	500	30.0	17.82	.05	6307	.01	1.40	4.35	4.18	0	161.7	.30	7.98	<10NTU		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: MW-2 **Sample Date and Time:** 3/20/08 1000 **Sampler:** C STRAUSS Corey J. Strauss

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7 8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 52

Dedicated		
2		Cycles per Minute
50		Pressure (PSI)
18		Refill Time
12		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

Vol of cyl: $\pi r^2 h$ = (3.1415)(0.1667 ft)^2(15 ft) = 1.309 ft^3 × 7.48 gal/ft^3 × 3.8 L/gal = 37 L for 1 SCREEN Vol.

3 Consecutive stable readings before sampling

Field Review: P Barnett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: MW-4
Date: 3/20/08 Time: 1415

Screen Interval: 85-100
Static Water Level 79.77

Pump Sample depth: 97

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1420	0	500		16.38	.01	1883		3.15		7.33		135.0		2.61		79.90	
1425	5	500	2.5	16.37	.06	1879	.21	3.32	-5.29	7.37	-.04	134.0	1	1.14	78.4	79.90	
1430	10	500	5.	16.31	.37	1875	.21	3.45	-3.84	7.36	.01	134.0	0	1.01	12.9	79.90	
1435	15	500	7.5	16.33	.12	1866	.48	3.16	8.22	7.37	.01	133.2	.8	1.19	16.36	79.90	
1440	20	500	10	16.33	0	1860	.32	3.06	3.21	7.36	.01	132.9	.3	.53	76.74	79.90	
1445	25	500	12.5	16.36	.18	1857	.16	3.03	.99	7.31	.05	132.5	.4	.76	35.68	79.90	
1450	30	500	15	16.31	.31	1857	0	3.01	.66	7.29	.02	132.7	.2	.85	11.18	79.90	
1455	35	500	17.5	16.35	.24	1858	.05	3.10	-2.94	7.32	.03	133.9	1.2	1.19	33.33	79.90	
1500	40	500	20	16.31	.24	1858	0	3.12	.64	7.40	.08	133.2	.7	1.21	1.66	79.90	
1505	45	500	22.5	16.27	.25	1859	.05	3.13	.32	7.46	.06	132.5	.7	1.13	6.84	79.90	
1510	50	500	25	16.31	.25	1856	.16	3.06	2.26	7.34	.12	134.0	1.5	.88	24.87	79.90	
1515	55	500	27.5	16.25	.37	1856	0	3.09	.97	7.33	.01	133.8	.2	.73	18.63	79.90	
1520	60	500	30	16.30	.31	1855	.05	3.14	1.6	7.35	.02	134.0	.2	.43	51.72	79.90	.13
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: MW-4 **Sample Date and Time:** 3/20/08 1520 **Sampler:** Matt Renaud

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID: 48

Dedicated	L9	BP-Large or Small
	2	Cycles per Minute
	80	Pressure (PSI)
	22	Refill Time
	8	Discharge time

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: MW-5

Date: 3/20/08 Time: 0840

Screen Interval: 50-65

Static Water Level 49.80

Pump Sample depth: _____

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP	~~Delta~~ %RPD	Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV		NTU	%RPD	Ft	Drawdown
0850	0	500	0	14.72		15805		2.08		3.91		231.1					
0855	5	500	2.5	14.88	1	15830	<1	2.76	28	3.91	0	213.0	8	28.03			
0900	10	500	5	14.98	<1	15859	<1	2.72	1	3.90	0.01	210.7	1	15.58	57.09	50.05	0.25
0905	15	500	7.5	15.02	<1	15887	<1	2.70	<1	3.90	0	209.7	<1	6.39	83.66	50.08	0.28
0910	20	500	10	15.03	<1	15844	<1	2.47	9	3.90	0	208.8	.9	5.94	7.30	50.07	0.27
0915	25	500	12.5	15.01	<1	15933	<1	2.36	5	3.87	0.03	208.7	.13	5.31	11.2	50.00	0.20
0920	30	500	15	15.03	<1	15891	<1	2.36	0	3.89	0.02	208.1	.28	6.26	16.42	50.02	0.22
0925	35	500	17.5	15.14	<1	15858	<1	2.24	5	3.90	0.01	205.6	1.2	4.36	35.78	50.08	0.28
0930	40	500	20	15.09	<1	15898	<1	2.24	0	3.89	0.01	204.6	.48	5.17	16.99	50.08	0.28
0935	45	500	22.5	15.12	.14	15938	.25	2.33	3.9	3.89	0	204.0	.29	16.9			
0940	50	500	25	15.14	.13	15899	.24	2.47	5.8	3.89	0	203.8	.09				
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: MW-5

Sample Date and Time: 3/20/08 0840

Sampler: TWR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity			
		Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small ID 57
2		Cycles per Minute
~32		Pressure (PSI)
13		Refill Time
17		Discharge time

Comments: Verified pH stds after sampling pH 2.0 std = 2.04
pH 4.0 std = 3.99
1413 std = 1394
8974 std = 8917
15,000 st = 14,935

%RPD = 200 X (Read 1 - Read 2) / (Read 1 + Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review: _____

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: MW-2002-1
Date: 3/19/08 Time: 950

Screen Interval: 18-28
Static Water Level 15.80

Pump Sample depth: 28

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
955	0	500		14.47		3173		1.00		7.02		106.3		66.58		15.90	
1000	~~10~~ 5	500	2.5	14.30	1.18	3178	~~1.18~~	.34	98.5	6.95	.07	104.1	2.2	41.79	45.75	15.90	
1005	10	500	5.0	14.27	.21	3184	.19	.22	42.9	6.94	.01	96.0	8.1	25.56	48.2	15.90	
1010	~~20~~ 15	500	7.5	14.28	.07	3186	.06	.17	25.6	6.97	.03	89.9	6.1	16.50	43.0	15.90	
1015	20	500	10.0	14.34	.41	3186	0	.16	6.0	6.92	.05	86.0	3.9	13.11	22.9	15.90	
1020	~~30~~ 25	500	12.5	14.32	.14	3189	.09	.13	20.6	6.92	0	83.3	2.7	10.01	26.2	15.90	
1025	30	500	15.0	14.30	.14	3191	.06	.13	0	6.93	.01	80.2	3.1	9.35	6.8	15.90	
1030	~~40~~ 35	500	17.5	14.33	.21	3192	.03	.12	8	6.93	0	78.7	1.5	7.41	23.2	15.90	
1035	40	500	20.0	14.30	.21	3194	.06	.14	15.4	6.94	.01	76.8	1.9	6.81	8.4		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: MW-2002-1 **Sample Date and Time:** 3/19/08 1035 **Sampler:** Matt Renaud

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
NM	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: FD

Dedicated	4	BP-Large or Small
	50	Cycles per Minute
	35	Pressure (PSI)
	20	Refill Time
	10	Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: MW-2002-2
Date: 3/12/08 Time: 0850

Screen Interval: 51-61
Static Water Level 45.20

Pump Sample depth: 52.6

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	~~Delta~~ %RPD	NTU	%RPD	Ft	Drawdown
0905	0	500	0	59.41		729		6.37		8.16		165.7				45.80	0.40
0910	5	400	2.5	59.89	<1	727	<1	6.08	5	8.15	0.01	159.2	4	20.31		45.40	0.20
0915	10	400	4.5	60.02	<1	725	<1	5.86	4	8.15	0	154.8	3	13.06	43	45.45	0.25
0920	15	400	6.5	60.15	<1	724	4	5.99	2	8.14	0.01	153.0	1	10.73	20	45.45	
0925	20	400	8.5	60.24	<1	724	0	5.84	3	8.15	0.01	151.1	1	8.68	21	45.45	
0930	25	400	10.5	60.31	<1	723	<1	5.83	<1	8.14	0.01	150.4	<1				
0935	30	400	12.5	60.29	<1	723	0	5.84	<1	8.17	0.03	149.5	<1	6.84	<10 NTU		
0940	35	400	14.5	60.48	<1	721	<1	5.88	<1	8.16	0.01	148.7	<1	6.91			
0945	40	400	16.5	60.54	<1	720	<1	5.76	2	8.14	0.02	149.0	<1			45.45	
0950	45	400	18.5	60.50	<1	719	<1	5.76	0	8.14	0	147.8	<1			45.45	
0955	50	400	20.5	60.45	<1	717	<1	5.71	<1	8.14	0	146.7	<1	85.43		45.45	
1000	55	400	22.5	60.41	<1	716		5.91	3	8.14	0	146.7	0	75.81	12		
1005	60	400	24.5	60.37	<1	716		5.85	1	8.15	0.01	146.5	<1	67.13	12	45.45	
				15.76													
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: MW-2002-2
Sample Date and Time: 3/12/08 1005
Sampler: TR

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity		N	NONE
	Sulfate, Nitrate/Nitrite	500 ml		
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		~~BP Large or Small~~ ID 57
2		Cycles per Minute
30		Pressure (PSI)
13		Refill Time
17		Discharge time

Comments: Windy sampling conditions, initial high turbidity readings are due to bladder pump installation

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: PBarrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: MW-2002-2I
Date: 3/13/08 Time: 0900

Screen Interval: ___
Static Water Level 46.21

Pump Sample depth: ___

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
0905	0	400	0	15.10		574		3.99	5	8.04		94.5		37.4		46.41	
0910	5	400	2.0	15.07	0.19	550	4.27	2.33	52.53	8.24	-.20	93.8	.7	48.16	25.15	46.39	
0915	10	300	4.0	15.15	0.52	535	2.76	2.87	20.8	8.29	-.05	94.3	.5	13.19	114.7	46.32	
0920	15	300	5.5	15.23	0.52	535	0	1.52	61.5	8.30	-.01	94.8	.5	7.23	58.37	46.35	
0925	20	300	7.0	14.97	1.72	534	-.18	0.78	64.35	8.21	-.09	94.9	.1	15.23	71.23	46.34	
0930	25	200	8.0	14.80	1.14	533	-.18	0.61	24.5	8.21	0	95.7	.8	23.2	41.5	46.35	
0935	30	200	9.0	14.81	-.06	533	0	0.61	0	8.21	0	95.6	.1	28.6	20.85	46.38	
0940	35	200	10.0	14.83	-.13	532	-.18	0.62	-1.6	8.21	0	95.7	.1	30.51	6.5	46.34	
0945	40	200	11.0	14.91	-.53	531	-.18	0.63	1.6	8.21	0	95.7	0	50.6	49.5	46.37	
0950	45	200	12.0	15.02	-.73	531	0	0.64	1.6	8.21	0	95.7	0	85.1	50.85	46.39	
0955	50	200	13.0	15.04	-.13	531	0	0.66	3.0	8.21	0	95.6	.1	46.71	58.25	46.35	
1000	55	200	14.0	15.07	-.19	531	0	0.71	7.2	8.22	-.01	95.0	.6	57.45	20.62	46.39	
1005	60	200	15.0	15.05	-.13	531	0	0.72	1.3	8.23	-.01	94.7	.3	22			-.18
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: MW-2002-2I **Sample Date and Time:** 3/13/08 1020 **Sampler:** Corey J. Strauss

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
	X	TOC	250 ml	N	HCl

QC Sample ID:

		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:

Dedicated		BP-Large or Small
		Cycles per Minute
		Pressure (PSI)
		Refill Time
		Discharge time

Comments:

BEGINNING TURBIDITY WAS 413.6, ATTACHED 0.45 µm FILTER

FINAL UNFILTERED TURBIDITY 109.4

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review: ___

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: PA-MW-1
Date: 3/19/08 Time: 1550

Screen Interval: 90.5-110.5
Static Water Level 96.35

Pump Sample depth: _____

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1600	0	500	0	16.67		1959		1.18		7.51		70.2					
1605	5	500	2.5	16.62	0.30	1960	0.05	0.91	37.18	7.49	0.02	70.4	0.28	16.67	<10NTU	96.49	0.14
1610	10	500	5.0	16.60	0.12	1960	0	0.76	6.37	7.48	0.01	69.9	0.71	3.54	<10NTU		
1615	15	500	7.5	16.55	0.31	1961	0.05	0.70	8.21	7.48	0	69.9	0	4.12	<10NTU	96.50	0.15
1620	20	500	10.0	16.54	0.06	1965	0.21	0.69	1.43	7.48	0	69.9	0	4.08	<10NTU		
1625	25	500	12.5	16.53	0.06	1968	0.16	0.68	1.45	7.47	0.01	69.9	0	3.96	<10NTU	96.48	0.13
1630	30	500	15.0	16.53	0	1970	0.10	0.68	0	7.48	0.01	69.8	0.14	4.15	<10NTU	96.47	0.12
1635	35	500	17.5	16.54	0.06	1971	0.05	0.67	1.48	7.47	0.01	69.8	0	3.92	<10NTU	96.47	0.14
1640	40	500	20.0	16.57	0.18	1971	0	0.67	0	7.47	0	69.8	0	3.75	<10NTU		
1645	45	500	22.5	16.50	0.18	1973	0.10	0.66	1.50	7.47	0	69.8	0	3.56	<10NTU	96.51	0.16
1650	50	500	25.0	16.51	0.06	1974	0.05	0.65	1.52	7.47	0	69.7	0.14	3.52	<10NTU	96.55	0.20
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: PA-MW-1 **Sample Date and Time:** 3/19/08 1710 **Sampler:** C. STRAUSS

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	3L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small
2		Cycles per Minute
65		Pressure (PSI)
20		Refill Time
10		Discharge time

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review: _____

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: PA-MW-2
Date: 3/19/08 Time: 1220

Screen Interval: 134.5 - 154.5
Static Water Level 141.56

Pump Sample depth: _____

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1230	0	500	0	17.55		2096		4.68		6.86		18.6		7.96			
1235	5	500	2.5	17.39	0.91	2073	1.10	4.59	1.94	6.87	0.01	21.8	15.8	6.89	<10NTU	141.70	0.14
1240	10	500	5.0	17.41	0.11	2054	0.92	4.74	3.21	6.89	0.02	25.1	15.4	7.10	<10NTU		
1245	15	500	7.5	17.22	0.05	2033	1.02	4.96	4.14	6.91	0.02	27.8	10.2	6.71	<10NTU	141.71	0.15
1250	20	500	10.0	17.44	0.11	2025	0.39	5.19	4.53	6.95	0.04	30.1	7.94	6.23	<10NTU	141.73	0.17
1255	25	500	12.5	17.44	0	2016	0.45	5.24	0.95	6.96	0.01	33.4	10.39	6.74	<10NTU	141.72	0.16
1300	30	500	15.0	17.42	0.11	2005	0.54	5.33	1.70	6.99	0.03	36.7	9.41	6.57	<10NTU		
1305	35	500	17.5	17.40	0.11	2003	0.09	5.32	0.18	6.99	0	38.1	3.74	6.98	<10NTU	141.75	0.19
1310	40	500	20.0	17.39	0.05	2001	0.09	5.32	0	6.98	0.01	40.7	6.59	6.68	<10NTU	141.74	0.18
1315	45	500	22.5	17.43	0.23	1996	0.25	5.43	2.05	6.99	0.01	43.4	6.42	7.12	<10NTU		
1320	50	500	25.0	17.41		1993		5.46		6.99		46.1					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: PA-MW-2 **Sample Date and Time:** 3/19/08 1345 **Sampler:** C. STRAUSS Corey J. Strauss

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7 8L	Y	HNO3
X	TDS, ph, Alkalinity Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: 57

Dedicated		BP-Large or Small
2		Cycles per Minute
80		Pressure (PSI)
19		Refill Time
11		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barnett

QAQC Review: _____

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: PA-MW-3
Date: _____ Time: 1400

Screen Interval: 109-129
Static Water Level 116.35

Pump Sample depth: _____

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1405	0	500	0	17.05		1810		0.63		7.18		71.6					
1410	5	500	2.5	16.92	0.76	1805	0.27	0.44	35.5	7.16	0.02	71.8	0.27				
1415	10	500	5.0	16.78	0.83	1806	0.05	0.34	25.6	7.15	0.01	71.6	0.27	6.51		116.46	0.11
1420	15	500	7.5	16.77	0.05	1794	0.49	0.44	25.6	7.16	0.01	71.5	0.13	5.90	<10NTU	116.48	0.13
1425	20	500	10.0	16.74	0.17	1778	0.89	0.58	27.5	7.19	0.03	70.8	0.98	5.89	<10NTU		
1430	25	500	12.5	16.75	0.06	1774	0.22	0.60	3.38	7.19	0	70.9	0.14	5.46	<10NTU	116.50	0.15
1435	30	500	15.0	16.74	0.06	1769	0.28	0.62	3.27	7.19	0	70.9	0	5.78	<10NTU		
1440	35	500	17.5	16.73	0.05	1763	0.33	0.65	4.72	7.19	0	70.9	0	5.42	<10NTU		
1445	40	500	20.0	16.72	0.06	1762	0.05	0.67	3.03	7.19	0	70.9	0	5.79	<10NTU		
1450	45	500	22.5	16.71		1758		0.70		7.19		70.8		6.16			
1455	50	500	25.0	16.69		1756		0.72		7.19		70.8	0	6.82			
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: PA-MW-3 **Sample Date and Time:** 3/19/08 1515 **Sampler:** C. STRAUSS Corey J. Strauss

Analysis Requested: NDEP Profile 2

	Analysis	Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7 8L	Y	HNO3
X	TDS, ph, Alkalinity / Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:

		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information: ~~50~~ 50

Dedicated		BP-Large or Small
2		Cycles per Minute
80		Pressure (PSI)
20		Refill Time
10		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review: _____

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: USGS-13
Date: 3/20/08 Time: 1120

Screen Interval: 6.2 - 16.2
Static Water Level 13.51

Pump Sample depth: 15.5

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1130	0	250	0	14.28		2721		2.84		6.94		-39.1				13.75	0.24
1135	5	250	1.25	14.13	<1	2634	3	2.37	18	7.14	0.20	-36.6	7	17.09		13.73	0.22
1140	10	250	2.5	14.09	<1	2595	1	2.40	1	7.22	0.08	19.3	646			13.80	0.29
1145	15	250	3.75	14.14	<1 ✓	2556	2 ✓	1.95	20	7.19	0.03	58.7	101	2.87	+10 NTU	13.80	0.29
1150	20	250	5	14.14	0	2532	<1	1.77	10	7.18	0.01 ✓	68.3	15	2.02		13.77	0.26
1155	25	250	6.25	14.09	<1	2524	<1	1.61	9	7.17	0.01	75.1	9	2.17		13.74	0.23
1200	30	250	7.5	14.02	<1	2515	<1	1.47	9	7.17	0	78.1	4	3.53		13.73	
1205	35	250	8.75	13.98	<1	2507	<1	1.46	<1 ✓	7.17	0	80.9	4 ✓	5.62		13.74	
1210	40	250	10	14.07	<1	2506	<1	1.45	<1	7.17	0	84.1	4	4.30		13.78	
1215	45	250	11.25	13.95		2514		1.40		7.17		87.5		1.59		13.78	.27
1220	50	250	12.5	13.93		2514		1.44		7.18		90.5					
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: USGS-13 **Sample Date and Time:** 3/20/08 1230 **Sampler:** TMB

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity			
	Sulfate, Nitrate/Nitrite	500 ml	N	NONE
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small ID 50
2		Cycles per Minute
15		Pressure (PSI)
20		Refill Time
10		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: UW-1
Date: 3/20/08 Time: 1020

Screen Interval: 109-129
Static Water Level 108.95

Pump Sample depth: 120

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1030	0	500	0	14.69		3450		1.86		6.50		-48.3					
1035	5	500	2.5	14.74	0.33	3458	0.23	0.77	82.88	6.53	0.03	-52.6	8.52	6.42	<10NTU	109.02	0.07
1040	10	500	5.0	14.82	0.54	3460	0.05	0.70	9.52	6.54	0.01	-51.3	2.50	6.36	<10NTU	109.03	0.08
1045	15	500	7.5	14.81	0.06	3463	0.08	0.70	0	6.54	0	-52.1	1.74	5.89	<10NTU		
1050	20	500	10.0	14.85	0.269	3479	0.11	0.72	2.81	6.53	0.01	-55.5	6.32	4.96	<10NTU	109.02	0.07
1055	25	500	12.5	14.86	0.06	3483	0.11	0.73	1.37	6.53	0	-56.1	1.07	5.13	<10NTU	109.01	0.06
1100	30	500	15.0	14.88	0.12	3490	0.20	0.76	4.02	6.53	0	-58.6	4.35	5.26	<10NTU		
1105	35	500	17.5	14.89	0.06	3494	0.11	0.77	1.30	6.53	0	-60.4	3.02	4.98	<10NTU	109.00	0.05
1110	40	500	20.0	14.93	0.26	3498	0.11	0.78	1.29	6.53	0	-63.1	4.37	5.36	<10NTU		
1115	45	500	22.5	14.97	0.26	3502	0.11	0.81	3.77	6.53	0	-66.6	5.55	5.12	<10NTU	190.06	0.11
1120	50	500	25.0	14.94	0.26	3504	0.06	0.79	2.86	6.54	0.01	-68.7	3.10	5.26	<10NTU		
1125	55	500	27.5	14.98	0.13	3503	0.03	0.78	1.36	6.53	0.01	-69.5	1.15	5.25	<10NTU	109.06	0.11
1130	60	500	30.0	15.00	0.10	3504	0.03	0.77	1.29	6.53	0.0	-71.0	2.13	5.86	<10NTU		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: UW-1

Sample Date and Time: 3/20/08 1150

Sampler: C STRAUSS Corey J. Strauss

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:

Dedicated		BP-Large or Small
		Cycles per Minute
		Pressure (PSI)
		Refill Time
		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: Penny Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: W4CB-2
Date: 3/20/08 Time: 1400

Screen Interval: 47.5 - 57.5
Static Water Level 19.79
Pump Sample depth: _____

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1415	0	500	0	14.19		4432		3.43		6.27		57.9					
1420	5	500	2.5	13.68	4	6941	44	1.88	58	5.80	0.47	47.4	10.5	9.86	< 10 NTU	19.85	0.06
1425	10	500	5	13.54	1	7018	1	1.12	51	5.75	0.05	38.7	8.7	6.35		19.90	0.11
1430	15	500	7.5	13.52	<1 ✓	6951	<1	0.74	41	5.76	0.01	36.6	2.1	4.93		19.89	0.10
1435	20	500	10	13.50	<1	6840	2 ✓	0.66	11	5.71	0.05	35.8	<1	3.43		19.90	
1440	25	500	12.5	13.48	<1	6747	1	0.63	5	5.76	0.05	32.1	4	3.21		19.89	
1445	30	500	15	13.5	<1	6651	1	0.59	7	5.78	0.02	25.8	6	1.82		19.88	.07
1450	35	500	20	13.49	<1	6613	<1	0.57	3	5.80	0.02	23.0	2.8	1.68			
1455	40	500	22.5	13.48	<1	6591	<1	0.53	7	5.82	0.02	20.2	2.8	1.54	< 10 NTU		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: W4CB-2 **Sample Date and Time:** 3/20/08 1510 **Sampler:** Corey Strauss

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small ID 54
2		Cycles per Minute
40		Pressure (PSI)
16		Refill Time
14		Discharge time

Comments: water degassing in flow through cell

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review: _____

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: W5AA-1
Date: 3/18/08 Time: 1120

Screen Interval: 58-73
Static Water Level 15.52

Pump Sample depth: 67

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1135	0	500	0	14.35		821		3.59		8.35		78.8		0.31	<10NTU	15.69	0.17
1140	5	500	2.5	14.20	1	867	5	1.67	73	8.34	0.01	82.0	4	0.21	38 ~~<10~~	15.36	0.34
1145	10	400	4.5	14.31	<1	871	<1	1.24	30	8.31	0.03	84.4	2	0.12	~~59~~ <10	15.67	0.15
1150	15	400	6.5	14.23	<1	873	<1	1.04	17	8.31	0	85.2	<1	0.27	<10NTU	15.65	0.13
1155	20	400	8.5	14.25	<1	874	<1	0.79	27	8.28	0.03	87.2	2	0.24	<10NTU	15.67	0.15
1200	25	400	10.5	14.28	<1	869	<1	0.72	9	8.25	0.03	88.1	<1	0.16	<10NTU	15.69	0.17
1205	30	400	12.5	14.25	<1	865	<1	0.55	27	8.21	0.04	89.8	2	0.12	<10NTU	15.63	0.11
1210	35	400	14.5	14.29	<1	851	2	0.52	6	8.13	0.08	92.5	3	0.38	<10NTU	15.63	0.11
1215	40	400	~~14.27~~ 16.5	14.27	<1	835	2	0.46	12	8.07	0.06	93.9	1	0.14	<10NTU	15.70	0.18
1220	45	400	18.5	14.30	<1	824	2	0.45	2	8.05	0.02	93.8	<1	0.24	<10NTU	15.68	0.16
1225	50	400	20.5	14.33	<1	824	0	0.38	16	8.04	0.01	93.7	<1			15.63	0.11
1230	55	400	22.5	14.37	<1	821	<1	0.38	~~10~~ 0	8.05	0.01	93.6	<1	0.17	<10NTU	15.69	0.17
1235	60	400	24.5	14.29	<1	820	<1	0.36	5	8.05	0	92.4	<1	0.22	<10NTU	15.63	0.11
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: W5AA-1
Sample Date and Time: 3/18/08 1235
Sampler: TMR

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity		N	NONE
	Sulfate, Nitrate/Nitrite	500 ml		
X	TOC	250 ml	N	HCl

QC Sample ID:	
	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small ID 56
2		Cycles per Minute
35		Pressure (PSI)
14		Refill Time
16		Discharge time

Comments: Previous conductivities ~300-600 µS

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: PBarrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: N5AB-2
Date: 3/19/08 Time: 1610

Screen Interval: 12'-27'bgs
Static Water Level 15.45

Pump Sample depth: 23.0'

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1620	0	450	2.25	14.99	<1	7760		2.27		6.15		233.6		4.25		15.63	0.18
1625	5	450	4.5	15.10	<1	7727	<1	1.71	28.1	6.18	0.03	233.3	0.3	2.80	48.0	15.57	0.12
1630	10	450	6.75	15.05	<1	7569	2.1	2.14	22.3	6.18	0	218.8	14.5	1.94	36.3	15.60	0.15
1635	15	450	9.0	14.97	<1	7514	<1	2.13	<1	6.16	0.02	211.0	7.8	1.71	12.6	15.61	0.16
1640	20	450	11.25	14.97	0	7502	<1	2.11	<1	6.17	0.01	203.0	8.0	2.12	21.4	15.45	0
1645	25	450	13.5	14.90	<1	7518	<1	2.05	2.9	6.18	0.01	196.3	6.7	1.79	16.9	15.61	0.16
1650	30	450	15.75	14.92	<1	7527	<1	2.03	1.0	6.15	0.03	187.9	8.4	.75	2.3	15.64	0.19
1655	35	450	18.0	14.86	<1	7531	<1	1.99	2.0	6.15	0	182.1	5.8	1.63	7.1	15.64	0.19
1700	40	450	20.25	14.88	<1	7543	<1	1.95	2.0	6.19	0.04	175.1	25.0	1.62	0.62	15.59	0.14
1705	45	450	22.5	14.78	<1	7567	<1	1.96	<1	6.15	0.04	169.8	5.3	1.41	13.9	15.61	0.16
1710	50	450	24.75	14.75	<1	~~7567~~		1.90	3.1	6.13	0.02	165.9	3.9	1.39	1.4	15.60	0.15
1715	55	450	27.0	14.71	<1	7590	<1	1.95	2.6	6.14	0.01	163.5	2.4	1.31	6.0	15.61	0.16
1720	60	450	29.25	14.63	<1	7592	<1	1.87	4.2	6.13	0.01	160.1	3.4			15.59	0.14
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: 52
Sample Date and Time: 3-19-08 / 1720
Sampler: Briana Wright

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity		N	NONE
	Sulfate, Nitrate/Nitrite	500 ml		
X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated	Small	BP-Large or Small
	2	Cycles per Minute
	15	Pressure (PSI)
	18.0	Refill Time
	12.0	Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: WSBB
Date: 3/20/08 Time: 1330

Screen Interval: 18-48
Static Water Level 25.57

Pump Sample depth: 45

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP % RPD		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	~~Delta~~	NTU	%RPD	Ft	Drawdown
1340	0	500	0	16.13		3554		3.13		7.41		160.2		1.17		25.65	
1345	5	500	2.5	16.09	<1	3613	2	2.32	30	7.39	0.02	157.0	2	1.08	8	25.66	
1350	10	500	5	16.00	<1	3635	<1	2.30	<1	7.37	0.02	151.9	3				
1355	15	500	7.5	16.04	<1 ✓	3632	<1 ✓	2.35	2 ✓	7.33	0.04	149.1	2 ✓	2.46	77 %		
1400	20	500	10	16.12	<1	3636	<1	2.44	4	7.31	0.02	146.5	2	2.02	19.6%	25.60	
1405	25	500	12.5	16.12	0	3641	<1	2.55	4	7.27	0.04	144.0	2				
1410	30	500	15	16.12	0	3650	<1	2.64	3	7.26	0.01	142.4	1				
1415	35	500	17.5	16.14		3659	.25	2.72	2.98	7.25	.14	141.1	.91	2.40	17.19	25.62	.05
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: WSBB
Sample Date and Time: 3/20/08 1440
Sampler: TMR

Analysis Requested: NDEP Profile 2			Volume:	Filtered	Preservative:
	X	Dissolved Metals	500 ml	Y	HNO3
	X	Radionuclides	8L	Y	HNO3
	X	TDS, ph, Alkalinity	500 ml	N	NONE
		Sulfate, Nitrate/Nitrite			
	X	TOC	250 ml	N	HCl

QC Sample ID:		
		Duplicate
		MS/MSD
		Level IV
		Field Blank
		EQ Rinsate Blank

Bladder Pump Information:		
Dedicated		BP-Large or Small
		Cycles per Minute
		Pressure (PSI)
		Refill Time
		Discharge time

Comments:

$$\%RPD = 200 \times \frac{\text{Read 1 - Read 2}}{\text{Read 1+ Read 2}}$$

3 Consecutive stable readings before sampling

Field Review: P Barnett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: W32DC
Date: 3/20/08 Time: 845

Screen Interval: 108-151
Static Water Level 17.16

Pump Sample depth: ~110

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
855	0	500		13.38		261		1.14		8.10		85.9		1.61		17.60	
900	5	500	2.5	13.57		253		.31		8.18		86.7		1.16		17.60	
905	10	500	5	13.47		252		.26		8.21		86.3		1.44		17.60	
910	15	500	7.5	13.80		252		.17		8.19		86.2		1.08		17.60	
915	20	500	10	13.71		251		.15		8.15		85.0		1.00		17.60	
920	25	500	12.5	13.83		251		.17		8.15		84.8		1.12		17.60	
925	30	500	15.0	13.85		252		.16		8.12		84.2		.83		17.60	
930	35	500	17.5	13.88		251		.14		8.15		83.4		1.14		17.60	
935	40	500	20.0	14.05		251		.15		8.08		82.5		1.19		17.60	
940	45	500	22.5	14.01		251		.14		8.10		81.6		.89		17.60	
945	50	500	25	13.99		251		.13		8.14		80.9		.73		17.60	
950	55	500	27.5	14.01		251		.17		8.17		79.9		1.05		17.60	
955	60	500	30	14.0		251		.15		8.17		78.4		.97		17.60	
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: W32DC-D1 **Sample Date and Time:** 3/20/08 955 **Sampler:** Matt Renaud

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID: W32DC-D2

X	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: ID. 53

Dedicated	4	BP-Large or Small
	2	Cycles per Minute
	70	Pressure (PSI)
	17	Refill Time
	13	Discharge time

Comments: well is not as deep as reported pump submerged to bottom and raised 5' and set to sample

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: W5DB
Date: 3/20/ Time: 1145

Screen Interval: 125-153
Static Water Level 31.03
Pump Sample depth: 141

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1150	0	500		14.36		885	1.46	.72	14.19	7.52		81.4		3.76		31.10	
1155	5	500	2.5	14.40	.27	872	1.46	.83	14.19	7.42	<1	82.2	-8	4.15	9.87	31.10	
1200	10	500	5	14.45	.34	849	2.67	1.05	23.4	7.51	<1	81.2	1.0	3.39	20.6	31.10	
1205	15	500	7.5	14.35	.69	845	.47	1.16	9.55	7.53	<1	80.7	.5	2.34	36.6	31.10	
1210	20	500	10.0	14.35	0	851	.70	1.18	1.71	7.55	<1	80.0	.7	3.65	43.74	31.10	
1215	25	500	12.5	14.39	.27	849	.24	1.21	2.5	7.54	<1	79.9	.1	2.25	47.46	31.10	
1220	30	500	15.0	14.52	.89	849	0	1.19	9.5	7.54	<1	79.4	.5	1.44	14.60	31.10	
1225	35	500	17.5	14.52	0	851	.24	1.25	4.9	7.54	<1	80.7	1.3	1.19	47.9	31.10	
1230	40	500	20.0	14.50	.14	846	.59	1.27	1.59	7.55	<1	79.7	1.0	1.30	8.8	31.10	
1235	45	500	22.5	14.60	.69	843	.36	1.29	1.55	7.56	<1	79.5	.2	1.62	22.5	31.10	
1240	50	500	25	14.63	.20	844	.12	1.30	.77	7.55	<1	78.8	.7	1.24	27.2	31.10	.07
1245	55	500	27.5	14.68	.34	842	.24	1.30	0	7.48	<1	78.9	.1	1.02	17.47		
1250	60		27.5	14.69	.06	842	0	1.31	.76	7.51	.03	79.3	.4	1.12	-9.35		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV Or 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: W5DB
Sample Date and Time: 3/20/08 1250
Sampler: Matt Renaud

Analysis Requested: NDEP Profile 2

		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID:

	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: FD 52

Dedicated	Lg	BP-Large or Small
	2	Cycles per Minute
	95 / 52	Pressure (PSI)
	18	Refill Time
	12	Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Bassett

QAQC Review:

Event Q1-2008

Monitoring Log

Project: Yerington Mine site, NV
Client: Atlantic Richfield
Project #: 134557

Location: WW-1
Date: 3/20/08 Time: 1230

Screen Interval: 66 - 86
Static Water Level 42.35

Pump Sample depth: 76

Time		Pump Rate	Vol removed	Temperature		SC		DO		PH		ORP		Turbidity		Depth to Water	
	min	ml/min	Liters	Deg C	%RPD	uS/cm	%RPD	mg/L	%RPD	SU	Delta	mV	Delta	NTU	%RPD	Ft	Drawdown
1235	0	500	0	16.04		624		0.70		7.80		39.2					
1240	5	500	2.5	16.00	0.24	623	0.16	0.46	41.4	7.82	0.02	34.0	14.21			42.40	0.05
1245	10	500	5.0	16.13	0.80	621	0.32	0.37	21.7	7.84	0.02	19.6	53.73	10.68			
1250	15	500	7.5	16.22	0.55	620	0.16	0.30	20.9	7.85	0.01	9.7	67.57	10.52		42.41	0.06
1255	20	500	10.0	16.25	0.18	619	0.16	0.29	3.39	7.85	0	1.6	143.36				
1300	25	500	12.5	16.28	0.18	617	0.32	0.27	7.14	7.86	0.01	-10.3	170.5	9.64	<10NTU	42.45	0.10
1305	30	500	15.0	16.32	0.25	615	0.32	0.26	3.77	7.85	0.01	-20.6	66.6	8.72	<10NTU		
1310	35	500	17.5	16.50	1.09	614	0.16	0.24	8	7.86	0.01	-29.8	36.5	8.34		42.45	0.10
1315	40	500	20.0	16.41	0.54	613	0.16	0.24	0	7.87	0.01	-47.6	45.9	7.85			
1320	45	500	22.5	16.35	0.36	6x13	0	0.23	4.25	7.88	0.01	-55.4	15.15			42.44	0.09
1325	50	500	25.0	16.35	0	611	0.32	0.23	0	7.88	0	-66.7	22.0	7.96			
1330	55	500	27.5	16.36	0.06	610	0.16	0.22	4.13	7.89	0.01	-83.2		6.54		42.46	0.11
1335	60	500	30	16.36	0.0	609	0.16	0.22	0	7.89	0.	-97.9		8.91	<10NTU		
Criteria	60 max	100-500 ml/min		+/- 3%		+/- 3%		+/- 10%		+/- 0.1		+/-10mV 0r 10%		< 10 NTU or +/- 10%		<0.3 ft or 2% of aquifier	

Sample ID: WW-1D-1

Sample Date and Time: ~~WW-1D-2~~ 3/20/08 1355

Sampler: C. STRAUSS Cory J. Strauss

Analysis Requested: NDEP Profile 2		Volume:	Filtered	Preservative:
X	Dissolved Metals	500 ml	Y	HNO3
X	Radionuclides	7.8L	Y	HNO3
X	TDS, ph, Alkalinity	500 ml	N	NONE
	Sulfate, Nitrate/Nitrite			
X	TOC	250 ml	N	HCl

QC Sample ID: WW-1D-2

X	Duplicate
	MS/MSD
	Level IV
	Field Blank
	EQ Rinsate Blank

Bladder Pump Information: 53

Dedicated		BP-Large or Small
2		Cycles per Minute
45		Pressure (PSI)
17		Refill Time
13		Discharge time

Comments:

%RPD = 200 X (Read 1 - Read 2) / (Read 1+ Read 2)

3 Consecutive stable readings before sampling

Field Review: P Barrett

QAQC Review:

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/17/08
Samplers: Penny Bassett

Start Time 11:50
Sample Time

Well Information

	new	old		
Well ID:	OTMW-1S	MW-1		
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		166		ftbtoc
Screen Interval	149	164		ftbgs
Approx depth to water		154.53		ftbtoc
Depth of Pump	NR			ftbtoc
Sample Pump Type		Dedicated		
Approx. purge volume		22.3665		gal
Purge Water Containment		On site		

Measured Information

Depth to Water not measured ftbtoc
Pump Used ~~Peristaltic~~ dedicated
Pump Deconned Before Use ___yes ___no
Actual Depth of Pump ftbtoc
Pump Settings NA

Note: Collect samples unfiltered + filter w/peristaltic in field lab, discharge stream too forceful

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
11:50	8	0							
11:55	8	40	7.18	—	1290	—	17.3	—	2.65
12:00	8	80	7.37	0.19	1286	.31	17.5	1.14	1.96
1205	8	120	7.40	0.03	1279	.54	17.5	0	1.52
1210	8	160	7.43	0.03	1283	.31	17.5	0	1.82
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
MW-1	3/17/08	12:10	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/13/08
Samplers: Penny Bassett

Start Time
Sample Time 14:45

Well Information

	new	old		
Well ID:	PW-1	PW-01		
Casing Diameter:	5.761	1.35	in	* multiplier
Total Depth		48.5		ftbtoc
Screen Interval	25.5	48		ftbgs
Approx depth to water		34.88		ftbtoc
Depth of Pump		47		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		55.161		gal
Purge Water Containment		Header Pipe		

Measured Informatio

Depth to Water ftbtoc
Pump Used production
Pump Deconned Before Use ___yes ___no
Actual Depth of Pump ftbtoc
Pump Settings

Note: Sample w/o additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
14:45	—	—	4.16	—	4260	—	15.9	—	0.22
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-01	3/13/08	14:45	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	~~HNO_3~~ None	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: ~~MS/MSD~~ Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/12/08
Samplers: R. Barringer, P. Bassett
Start Time
Sample Time: 10:20

Well Information

	new	old		
Well ID:	PW-2	PW-2		
Casing Diameter:	5.761	1.35	in	* multiplier
Total Depth		53		ftbtoc
Screen Interval	31.5	52		ftbgs
Approx depth to water		44.68		ftbtoc
Depth of Pump		45		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		33.696		gal
Purge Water Containment		Header Pipe		

Measured Information

Depth to Water _____ ftbtoc
Pump Used: dedicated
Pump Deconned Before Use: NA yes ____ no
Actual Depth of Pump _____ ftbtoc
Pump Settings

Note: Sample w/o additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
10:20	/	/	4.16	—	4956	—	56.7	/	0.14
							13.72		
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-2	3/12/08	10:20	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3 ✓	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/12/08
Samplers: R Barringer, P Bassett
Start Time
Sample Time: 10:50

Well Information

	new	old		
Well ID:	PW-3	PW-3		
Casing Diameter:	5.761	1.35	in	* multiplier
Total Depth		58.5		ftbtoc
Screen Interval	3725	58		ftbgs
Approx depth to water		45.97		ftbtoc
Depth of Pump		47		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		50.7465		gal
Purge Water Containment		Header Pipe		

Measured Information

Depth to Water _____ ftbtoc
Pump Used: Production
Pump Deconned Before Use ____yes ____no
Actual Depth of Pump: NA ftbtoc
Pump Settings

Note: Sample w/o additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
10:50	—	—	4.15	—	8929	—	59.58		0.37
							15.32		
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-03D1	3/12/08	10:50	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
PW-3			7	1000 ml	P	Y	HNO_3 ✓	Radiochem	TA-R

Duplicate Sample ID PW-03D2 @ 10:55
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/13/08
Samplers: P Bassett

Start Time
Sample Time ~~08:55~~ 09:25

Well Information

	new	old		
Well ID:	PW-4	PW-4		
Casing Diameter:	5.761	1.35	in	* multiplier
Total Depth		56		ftbtoc
Screen Interval	34.5	54		ftbgs
Approx depth to water		41.73		ftbtoc
Depth of Pump		50		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		57.7935		gal
Purge Water Containment		Header Pipe		

Measured Informatio

Depth to Water ftbtoc
Pump Used production
Pump Deconned Before Use ___ yes ___ no
Actual Depth of Pump NA ftbtoc
Pump Settings

Note: Sample w/o additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
~~08:55~~	—	—	5.52	—	6140	—	13.7	—	9.26
09:25									
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-4	3/13/08	~~08:55~~ 09:25	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Unpreserved

Duplicate Sample ID —
Field Blank Sample ID —
Equip. Blank Sample ID —
Other QC: MS/MSD —
Level IV ✓

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

**RPD % = $200 * \frac{X_1 - X_2}{X_1 + X_2}$

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/12/08
Samplers: R. Barringer, P. Bassett
Start Time
Sample Time 11:30

Well Information

	new	old		
Well ID:	PW-5	PW-5		
Casing Diameter:	5.761	1.35	in	* multiplier
Total Depth		55		ftbtoc
Screen Interval	34	54		ftbgs
Approx depth to water		44.13		ftbtoc
Depth of Pump		50		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		44.0235		gal
Purge Water Containment		Header Pipe		

Measured Information

Depth to Water _____ ftbtoc
Pump Used Production
Pump Deconned Before Use ____ yes ____ no
Actual Depth of Pump NA ftbtoc
Pump Settings

Note: Sample w/o additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
11:30	—	—	5.95	—	4704	—	64.37	—	1.06
							12.98		
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-5	3/12/08	11:30	2	500 ml	P	N	None	Alk	TA-IRV
			2	250 ml	G	N	HCl	TOC	TA-IRV
			2	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			14	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC MS/MSD ✓
Level IV ✓

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/13/08
Samplers: P. Bassett

Start Time
Sample Time 1000

Well Information

	new	old		
Well ID:	PW-6	PW-6		
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		48		ftbtoc
Screen Interval	28	45		ftbgs
Approx depth to water		43.83		ftbtoc
Depth of Pump		41		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		8.1315		gal
Purge Water Containment		Header Pipe		

Measured Information

Depth to Water ftbtoc
Pump Used production
Pump Deconned Before Use ___yes ___no
Actual Depth of Pump ftbtoc
Pump Settings NA

Note: Sample w/o additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
1000	—	—	6.60	—	3960	—	14.6	—	2.70
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-6	3/13/08	1000	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	~~HNO_3~~ None	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/13/08
Samplers: Penny Bassett

Start Time
Sample Time 10:30

Well Information

	new	old		
Well ID:	PW-7	PW-7		
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		49		ftbtoc
Screen Interval	26.5	46		ftbgs
Approx depth to water		40.12		ftbtoc
Depth of Pump		43		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		17.316		gal
Purge Water Containment		Header Pipe		

Measured Informatio

Depth to Water ftbtoc
Pump Used Production
Pump Deconned Before Use ~~yes~~ ____ no
Actual Depth of Pump ftbtoc
Pump Settings NA

Note: Sample w/o additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
10:30	—	—	5.51	—	7460	—	14.9	—	8.02
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-7	3/13/08	10.30	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	~~HNO_3~~ none	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/~~MSD~~
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

**RPD % = $200 * \frac{X_1 - X_2}{X_1 + X_2}$

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/13/08
Samplers: Penny Bassett

Start Time
Sample Time 11:15

Well Information

	new	old		
Well ID:	PW-8	PW-8		
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		52.5		ftbtoc
Screen Interval	29.5	49.5		ftbgs
Approx depth to water		41.56		ftbtoc
Depth of Pump		45		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		21.333		gal
Purge Water Containment		Header Pipe		

Measured Informatio

Depth to Water ftbtoc
Pump Used Production
Pump Deconned Before Use ____yes ____ no
Actual Depth of Pump ftbtoc
Pump Settings

Note: Sample w/o additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
11:15	—	—	6.98	—	6170	—	17.4	—	0.77
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-8	3/13/08	11:15	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	~~HNO_3~~ None	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/13/08
Samplers: Penny Bassett

Start Time
Sample Time 12:00

Well Information

	new	old		
Well ID:	PW-9	PW-9		
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		52		ftbtoc
Screen Interval	29	49		ftbgs
Approx depth to water		11.18		ftbtoc
Depth of Pump		43		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		79.599		gal
Purge Water Containment		Header Pipe		

Measured Informatio

Depth to Water ftbtoc
Pump Used production
Pump Deconned Before Use ____yes ____ no
Actual Depth of Pump ftbtoc
Pump Settings

Note: Sample w/o additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
12:00	—	—	6.46	—	11,610	—	16.5	—	0.22
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-9	3/13/08	12:00	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	~~HNO_3~~ None	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

PBassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/13/08
Samplers: Penny Bassett

Start Time
Sample Time: 1600

Well Information

	new	old		
Well ID:	PW-10	PW-10		
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		50		ftbtoc
Screen Interval	27	47		ftbgs
Approx depth to water		10.92		ftbtoc
Depth of Pump		44		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		76.206		gal
Purge Water Containment		Header Pipe		

Measured Informatio

Depth to Water ftbtoc
Pump Used Production
Pump Deconned Before Use ___yes ___no
Actual Depth of Pump ftbtoc
Pump Settings

Note: sample w/o additional purge

Water is very turbid w/ suspended particles reddish color. Particles settle when sample sits for several minutes

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
1600	—	—	6.31	—	15,730	—	16.4	—	106
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-10	3/13/08	1600	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	~~HNO_3~~ None	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

**RPD % = $200 * \frac{X_1 - X_2}{X_1 + X_2}$

PBassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/13/08
Samplers: P Bassett
R Barringer
Start Time 9
Sample Time 16:50

Well Information

	new	old		
Well ID:	PW-11	PW-11		
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		52		ftbtoc
Screen Interval	29	49		ftbgs
Approx depth to water		44.03		ftbtoc
Depth of Pump		44		ftbtoc
Sample Pump Type		Production		
Approx. purge volume		15.5415		gal
Purge Water Containment		Header Pipe		

Measured Information

Depth to Water _____ ftbtoc
Pump Used production
Pump Deconned Before Use ____yes ____no
Actual Depth of Pump _____ ftbtoc
Pump Settings

Note: Sample w/o additional purge

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
1650	—	—	6.35	—	11,060	—	16.2	—	1.78
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
PW-11	3/13/08	1650	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	~~HNO_3~~ None	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

**RPD % = $200 * \frac{X_1 - X_2}{X_1 + X_2}$

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/19/08
Samplers: Penny Bassett

Start Time 1415
Sample Time 1440

Well Information

	new	old		
Well ID:	OSMW-10S	USEPA2		
Casing Diameter:	4"	(2) 0.65 ~~0.16~~	in	multiplier
Total Depth		19.7		ftbtoc
Screen Interval	10.3	19.7		ftbgs
Approx depth to water		14.36		ftbtoc
Depth of Pump		19		ftbtoc
Sample Pump Type		Geosquirt		
Approx. purge volume		~~2.5632~~		gal
Purge Water Containment		Tank		

Measured Information

Depth to Water 18.53 ftbtoc
Pump Used Geosquirt
Pump Deconned Before Use (yes) ___ no
Actual Depth of Pump 19.5 ftbtoc
Pump Settings NA

Note: TD = 19.9
DTW = 18.53
~1' water in 4" well, purges fine w/ geosquirt, does not run dry.

Well Purging Record

Time	Purge Flowrate (GPM)	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
1420	1.0	0	6.76	—	602	—	16.7	—	3.21
1425	1.0	5	7.11	-.35	479	22.75	16.8	-.60	6.39
1430	1.0	10	7.12	-.01	479	0	16.2	3.6	1.98
1435	1.0	15	7.13	-.01	478	-.21	16.1	-.62	0.53
1440	1.0	20	7.15	.02	475	-.63	16.2	-.62	0.43
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
USEAP2	3/19/08	1440	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID ~~None~~
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

PBassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name:	1st Quarter-2008
Project Number:	134557
Date:	3/19/08
Samplers:	Penny Bassett
Start Time	1200
Sample Time	1345

Well Information

	new	old		
Well ID:	PBMW-4S	USGS-2B		
Casing Diameter:	2	0.16	in	* multiplier
Total Depth		29.7		ftbtoc
Screen Interval	27.7	29.6		ftbgs
Approx depth to water		13.52		ftbtoc
Depth of Pump		29		ftbtoc
Sample Pump Type		Geosquirt		
Approx. purge volume		7.7664		gal
Purge Water Containment		Tank		

Measured Informatio

Depth to Water	18.87	ftbtoc
Pump Used	geosquirt	
Pump Deconned Before Use	(yes) ___ no	
Actual Depth of Pump	29.5	ftbtoc
Pump Settings	NA	

Note: Pump dry 3 times, wait half hour then sample

Pumped dry 3 times, total volume purged ~5.5 gal. Pumped dry in ~2-4 minutes, recharge to original water level in ~20-30 minutes. Did not measure parameters at 1345, not enough water.

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity	
1207 -	1212 (2gal)	2	3.59	—	4880	—	15.4	—	181	Pumped dr.
1235 -	1239 (2gal)	4	4.03	-.44	5870	-18.41	14.9	3.30	34.3	"
1300 -	1302 (1.5gal)	5.5	4.13	-.1	5950	-1.35	15.0	-.66	25.9	"
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%			

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
USGS-2B	3/19/08	1345	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID	
Field Blank Sample ID	
Equip. Blank Sample ID	none
Other QC: MS/MSD	
Level IV	

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/20/08
Samplers: Penny Bassett

Start Time 12:50
Sample Time

Well Information

	new	old		
Well ID:	WRMW-3S	WW-2		
Casing Diameter:	8	2.658	in	* multiplier
Total Depth		70.4		ftbtoc
Screen Interval	43.4	63.4		ftbgs
Approx depth to water		44		ftbtoc
Depth of Pump		55		ftbtoc
Sample Pump Type		Redi-Flo3		
Approx. purge volume		210.5136		gal
Purge Water Containment		In lined pond		

Measured Information

Depth to Water 44.46 ftbtoc
Pump Used Redi flo 3
Pump Deconned Before Use ____ yes ____ no
Actual Depth of Pump ~~58~~ 59 ftbtoc
Pump Settings

Note: Drawing down to pump intake level, lowered pump to 59' btoc have to shut off every few minutes & allow recharge to at least 50'

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
1255	7 gpm	0	—	—	—	—	—	—	—
1300	7	35	7.50		530		16.5		37.37
1310	off	70	—	—	—	—	—	—	—
1318-1323	(35 gal)	105	7.51	-.01	723	30.8	16.3	1.21	36.32
1335-1340	(35 gal)	140	7.54	-.03	748	3.3	16.2	-.61	19.97
1350-1355	(35 g)	175	7.53	-.01	772	3.15	16.0	1.65	13.86
1405-1410	(35 g)	210	7.53	0	817	5.6	16.0	0	9.50
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
WW-2	3/19/08	1425	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID none
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

**RPD % = $200 * \frac{X_1 - X_2}{X_1 + X_2}$

PBassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/17/08
Samplers: Penny Bassett

Start Time 1305
Sample Time 1335

Well Information

	new	old		
Well ID:	PLMW-1B	WW-36		
Casing Diameter:	14	7.99	in	* multiplier
Total Depth		300		ftbtoc
Screen Interval	100	300		ftbgs
Approx depth to water				ftbtoc
Depth of Pump				ftbtoc
Sample Pump Type				
Approx. purge volume		7191		gal
Purge Water Containment		Well House		

Measured Informatio

Depth to Water not measured ftbtoc
Pump Used dedicated
Pump Deconned Before Use ____yes ____ no
Actual Depth of Pump NA ftbtoc
Pump Settings

Note: Weed Hts water supply well, pump didn't appear to be pumping at time of sample. Connected discharge hose to sample port + allowed to run. Pump starts up mid way Thru sample collection

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
1305	10	0							
1315	10	100	7.31	—	493	—	8.2	—	0.21
1325	10	200	7.31	0	482	2.26	8.7	5.91	0.20
1335	10	300	7.35	0.04	482	0	8.9	2.25	0.21
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record MS/MSD (Y)

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
WW-36	3/17/08	13:35	2	500 ml	P	N	None	Alk	TA-IRV
			2	250 ml	G	N	HCl	TOC	TA-IRV
			2	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			14	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/MSD Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

PBassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/18/08
Samplers: Penny Bassett

Start Time 0800
Sample Time 1615

Well Information

	new	old		
Well ID:	PLMW-3B	WW-40		
Casing Diameter:	20	16.31	in	* multiplier
Total Depth		600		ftbtoc
Screen Interval				ftbgs
Approx depth to water		74		ftbtoc
Depth of Pump		105		ftbtoc
Sample Pump Type		Dedicated		
Approx. purge volume		25737.18		gal
Purge Water Containment		On site		

Measured Information

Depth to Water not measured ftbtoc
Pump Used dedicated
Pump Deconned Before Use ___yes ___no
Actual Depth of Pump ftbtoc
Pump Settings

Note: 1 Volume 4 hrs @ 35gpm

Purged ~ 2x well volume
Previous conductivity 289 - 500 uS

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
0800	35	0	—	—	—	—	—	—	—
1000	35		7.04	—	511	—	14.5	—	0.78
1130	35		7.09	.06	503	1.6	14.8	2.04	0.17
1430	35		7.05	.04	498	.99	15.3	3.32	0.12
1615	35		7.13	.08	501	.60	15.3	0	0.09
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
WW-40	3/18/08	1615	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/17/08
Samplers: Penny Bassett

Start Time 11:35
Sample Time

Well Information

	new	old		
Well ID:	PLMW-4B	WW-59		
Casing Diameter:	12.75	6.63	in	* multiplier
Total Depth		630		ftbtoc
Screen Interval	238	630		ftbgs
Approx depth to water		207		ftbtoc
Depth of Pump		304		ftbtoc
Sample Pump Type		Dedicated		
Approx. purge volume		8413.47		gal
Purge Water Containment		On site		

Measured Informatio

Depth to Water not measured ftbtoc
Pump Used Dedicated
Pump Deconned Before Use ____yes ____ no
Actual Depth of Pump ftbtoc
Pump Settings NA

Note: 1 Volume 1.5hrs @ 30 gpm

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
11:35	30	0							
12:45	30	2100	7.80	—	733	—	18.0	—	1.78
14:45	30	5700	7.67	0.07	787	2.0	18.0	0	0.62
16:00	30		7.56	0.08	823	4.4	18.4	2.2	0.48
16:30	30		7.60	0.04	821	.24	18.3	.5	0.40
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
WW-59	3/17/08	1630	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
* 2" S40 PVC = 0.16 gal/ft

$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

reading at 1630

P Bassett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date: 3/19/08
Samplers: Penny Barrett

Start Time 1025
Sample Time 1110

Well Information

	new	old		
Well ID:	~~OSMW 13-1~~	~~D4BC-1~~	WFCB-1	
Casing Diameter:	4	0.65	in	* multiplier
Total Depth		42		ftbtoc
Screen Interval	19	39		ftbgs
Approx depth to water		9.84		ftbtoc
Depth of Pump		30		ftbtoc
Sample Pump Type		Redi-Flo3		
Approx. purge volume		62.712		gal
Purge Water Containment		Tank		

Measured Informatio

Depth to Water 19.5 ftbtoc
Pump Used geosquirt
Pump Deconned Before Use (yes) ___ no
Actual Depth of Pump 30 ftbtoc
Pump Settings NA

Note:

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity
1025	1.5 gpm	0	—	—	—	—	—	—	—
1035	1.5	15	7.01	—	3790	—	13.9	—	1.06
1045	1.5	30	7.06	.05	3800	.26	14.0	.72	0.35
1055	1.5	45							
1105	1.5	60	6.88	.18	3850	1.31	14.0	0	~~0.39~~ 0.24 PB
1110	1.5	68	6.90	.02	3820	.78	14.1	.71	0.21
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%		

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
D4BC-1	3/19/08	1115	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID None
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
* 6" S80 PVC = 1.35 gal/ft
* 4" S40 PVC = 0.65 gal/ft
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$$**RPD\ \% = 200 * \frac{X_1 - X_2}{X_1 + X_2}$$

PBarrett

BROWN AND CALDWELL

GROUNDWATER SAMPLING LOG
Purge Method

Project Information

Project Name: 1st Quarter-2008
Project Number: 134557
Date:
Samplers: Penny Bassett, RoJanne Barringer
Start Time
Sample Time

Well Information

	new	old	in	* multiplier
Well ID:		WSAA-3		
Casing Diameter:	2	2		
Total Depth	23			ftbtoc
Screen Interval	13 - 23			ftbgs
Approx depth to water	21			ftbtoc
Depth of Pump				ftbtoc
Sample Pump Type				
Approx. purge volume				gal
Purge Water Containment				

Measured Information

Depth to Water 19.95 ftbtoc
Pump Used geosquirt
Pump Deconned Before Use (yes) ___ no
Actual Depth of Pump 19.5 ftbtoc
Pump Settings NA

Note: Very sandy turbid water
Purge dry 3x = more than 3x volume

Well Purging Record

Time	Purge Flowrate	Total Gals	PH S.U.	PH Delta	Conductivity uS/cm	Conductivity %RPD **	Temperature °C	Temperature %RPD **	Turbidity	
1623 -	~~1627~~	0	6.33	—	5760		15.8		29.4	
1623 -	1627 (2.5)	2.5							~~135~~	
1632 -	1635 (2.5)	5.0	7.00	.17	5880	-2.06	15.9	-.63	131	Purge dry
1638 -	1640 (1.5)	6.5	6.96	-.04	5880	0	15.1	5.16	71.6	" + let rech
										"
Minimum criteria		3x Casing	+/- 0.1		+/- 3%		+/- 3%			

Sample Collection Record

Sample ID	Date	Time	Sample Container Qty	Size	Type	Field Prep Filter	Preserv.	Analysis	Lab
WW-2	3/19/08	1645	1	500 ml	P	N	None	Alk	TA-IRV
			1	250 ml	G	N	HCl	TOC	TA-IRV
			1	500 ml	P	Y	HNO_3	Dissolved Metals	TA-IRV
			7	1000 ml	P	Y	HNO_3	Radiochem	TA-R

Duplicate Sample ID
Field Blank Sample ID none
Equip. Blank Sample ID
Other QC: MS/MSD
Level IV

((TD-DW) * Multiplier) *3 = Total Purge Volume
* 8" Steel = 2.658 gal/ft
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**RPD % = $200 * \frac{X_1 - X_2}{X_1 + X_2}$

PBassett