

GW Purge and Monitoring Form (Low-Flow)

Well ID MW-2 Date 6-15-07

Time Arriving at Well 10:18 Air Temp _____ Metr Conditions _____

Depth, TOC to Water Level 12.26 ft / 12.24 ft
 Depth, TOC to Bottom of Casing (from records) 21.40 ft
 Depth of Pump Intake from TOC 20.4 ft

Flow Rate Established _____ liter/minute

Target Low-Flow Purge Rate: approx. 0.1 – 0.5 liter/min.
 Increased flow rate is permissible as long as water level draw-down is no more than 0.3 ft.

Water Quality Observations

Time	Temp	pH	Cond. $\mu S/cm$	ORP	D.O. %	D.O. mg/l	Salinity	Water Level	Draw-down	Elapsed Purge Volume	Appearance	TUR
10:28	3.87	7.54	236	96.3	89.7	11.75	.400	11		6	cloudy	87.5
10:35	2.65	7.53	229	99.1	89.6	12.11	.399	10	(12.23) 0.2	10	clear	13.9
10:40	2.95	7.47	231	102.5	89.8	12.12	.400	12		12	clear	9.16
10:45	2.76	7.52	229	99.1	86.8	11.78	.398	16		16	" "	6.5
10:50	2.81	7.54	230	98.3	86.6	11.69	.398			19		4.9
3:23	3.12	7.55	233	134.5	103.4	13.85	0.401					
3:23	3.12	7.55	233	134.5	103.4	13.85	0.401			3:25 started pumping	cloudy	22.5
3:34	3.12	7.55	233	134.5	103.4	13.85	0.401			4.2	cloudy	74.5
3:38	2.88	7.48	231	127.0	100.4	13.56	0.399			8.2	clear	32.5
3:43	3.74	7.42	237	122.2	95.6	12.65	0.399			12.2	clear	33.0
3:50	3.70	7.45	240	113.2	93.0	12.19	0.401			16.2	clear	45.0
3:56	3.63	7.50	236	103.3	91.7	11.95	0.400			20.2	clear	5.5

Arrival time

Water Quality Stabilization Criteria

Temp	pH	Cond.	ORP	D.O.
+/- 1°C (< 6°C warmup)	+/- 0.2 pH units	+/- 3%	+/- 10 mV	+/- 10%

Time Leaving Well _____

Participating Samplers _____

Comments

① possible air bubble affecting readings

GW Purge and Monitoring Form (Low-Flow)

Well ID MW-3 **Date** 6-15-05

Time Arriving at Well 11:00 **Air Temp** _____ **Met. Conditions** Clear sunny warm

Depth, TOC to Water Level 3.53 ft 3.73
Depth, TOC to Bottom of Casing (from records) 15.12 ft
Depth of Pump Intake from TOC 14.12 ft

Flow Rate Established < 1 l/min liter/minute

Target Low-Flow Purge Rate: approx. 0.1 – 0.5 liter/min.
 Increased flow rate is permissible as long as water level draw-down is no more than 0.3 ft.

Water Quality Observations

Time	Temp	pH	Cond.	ORP	D.O. %	D.O. mg/l	Salinity	Water Level	Draw-down	Elapsed Purge Volume	Appearance	Total
11:11	2.67	7.12	223	110.7	94.6	12.21	0.388			4 l	Cloudy	78.2
11:15	3.04	7.26	225	107.7	53.4	7.14	0.388	3.63	0.1	8 l	Clear	4.45
11:20	3.35	7.30	227	96.9	49.3	6.61	0.388			12 l	Clear	5.4
11:26	3.70	7.32	230	92.3	48.0	6.24	0.387	3.63		16 l	Clear	1.7
11:32	3.86	7.32	231	87.3	46.9	6.15	0.387			20 l	Clear	4.0
11:38	3.66	7.31	230	81.7	48.1	6.24	0.386			24 l	Clear	1.71
4:10								Started pumping		4:15		
4:21	4.08	7.35	233	104.1	58.4	7.70	0.392			4 l	Cloudy	35.1
4:26	3.51	7.20	231	104.1	51.5	6.23	0.391			8 l	Clear	19.1
4:30	3.60	7.11	230	102.7	50.1	6.64	0.390			12 l	Clear	14.5
4:35	3.55	7.12	230	99.6	48.7	6.46	0.389			16 l	Clear	9.0
left well @ 4:40												

Water Quality Stabilization Criteria

Temp	pH	Cond.	ORP	D.O.
+/- 1 °C (< 6 °C warmup)	+/- 0.2 pH units	+/- 3%	+/- 10 mV	+/- 10%

Time Leaving Well 11:44 / 4:10

Participating Samplers Bret Walters, Ewa Wierzbicki

Comments

Water starts out very rusty-colored but clears rapidly.

GW Purge and Monitoring Form (Low-Flow)

Well ID MW-5 **Date** 6-15-07

Time Arriving at Well 11:47 **Air Temp** _____ **Metri Conditions** Clear, sunny warm

Depth, TOC to Water Level 3.74 ft
Depth, TOC to Bottom of Casing (from records) 17.6 ft
Depth of Pump Intake from TOC 16.6 ft
Starting pump @ 11:56

Flow Rate Established < 1 l/min liter/minute

Target Low-Flow Purge Rate: approx. 0.1 – 0.5 liter/min.
 Increased flow rate is permissible as long as water level draw-down is no more than 0.3 ft.

Water Quality Observations

Time	Temp	pH	Cond.	ORP	D.O. %	D.O. mg/l	Salinity	Water Level	Draw-down	Elapsed Purge Volume	Appearance	Text
12:04	5.79	7.18	272	99.3	82.1	10.29	0.430	3.78'	0.04'	4 l	cloudy	45.8
12:11	5.43	7.14	269	98.1	60.6	7.64	0.429	3.78'	0.04'	8 l	Clear	6
12:17	5.31	7.14	263	97.6	61.0	7.66	0.430			12 l	Clear	6.68
12:22	4.80	7.05	264	102.6	56.6	7.24	0.429			16 l	Clear	2.89
12:29	5.17	7.12	269	96.6	56.3	7.02	0.429	3.80'	0.06	20 l	Clear	1.21
12:37	5.48	7.14	269	95.9	56.5	7.02	0.428			24 l	Clear	2.91

Water Quality Stabilization Criteria

Temp	pH	Cond.	ORP	D.O.
+/- 1 °C (< 6 °C warmup)	+/- 0.2 pH units	+/- 3%	+/- 10 mV	+/- 10%

Time Leaving Well 12:40

Participating Samplers Bret, Ewa

Comments

under Bridge
Main Channel
Eklutna R
Thunderbird Cr.
Date 6-15

GW Purge and Monitoring Form (Low-Flow)

Well ID _____ Date _____

Time Arriving at Well _____ Air Temp _____ Metr Conditions _____

Depth, TOC to Water Level _____ ft
 Depth, TOC to Bottom of Casing (from records) _____ ft
 Depth of Pump Intake from TOC _____ ft

Flow Rate Established _____ liter/minute

Target Low-Flow Purge Rate: approx. 0.1 – 0.5 liter/min.
 Increased flow rate is permissible as long as water level draw-down is no more than 0.3 ft.

Eklutna/Thunderbird

Water Quality Observations

Time	Temp	pH	Cond.	ORP	D.O. %	D.O. mg/l	Salinity	Water Level	Draw-down	Elapsed Purge Volume	Appearance
1:10	9.37	8.18	262	140.8	111.0	12.64	0.372				TUR
2:18	7.98	8.44	257	98.9	105.3	12.48	0.381				7.2
				96.5	105.9						22.
	7.29	8.15	226	114.0	117.0	13.97	0.333				2.5

Water Quality Stabilization Criteria

Temp	pH	Cond.	ORP	D.O.
+/- 1°C (< 6°C warmup)	+/- 0.2 pH units	+/- 3%	+/- 10 mV	+/- 10%

Time Leaving Well _____

Participating Samplers _____

Comments