



ATTACHMENT 2

Monitoring Well Purge Forms

Monitoring Well Purge & Sample Form								
Site								
Project Number	302.REX			Site	Ball Corp - Kent, WA			
Project Manager	Mark Roman			Weather	Cloudy 40°F			
Personnel	J. W. GAKKIEA J. AKINS			Date	2/27/18			
Well								
Well ID	ETMW-2			Depth to Water	5.11			
Permit #				Depth to Product	None			
Construction Material	PVC			TOC Elevation	38.59'			
Diameter	1"			PID Reading	0.0			
Completion	Flush mount			Screened Interval	5 - 15'			
Total Depth	15			Development Rate				
Purge/Sampling								
Parameter Units	Time	Specific Conductance s/cm	Dissolved Oxygen mg/L	ORP mV	pH S.U.	Turbidity NTU	Temperature °C	Depth to Water feet
	1110	0.457	6.79	-108	6.83	42.6	13.68	5.11
	1115	0.436	4.95	-128	6.82	9.7	13.59	—
	1120	0.434	2.95	-135	6.82	5.0	13.47	—
	1125	0.434	2.11	-142	6.83	3.9	13.48	—
	1130	0.428	1.09	-145	6.83	3.3	13.51	—
	1135	0.426	0.74	-146	6.84	2.3	13.51	—
	1140	0.423	0.53	-149	6.84	2.1	13.54	—
	1145	0.417	0.19	-151	6.84	3.5	13.61	—
	1150	0.414	0.00	-152	6.83	2.2	13.65	—
	1155	0.407	0.00	-153	6.83	7.6	13.82	—
	1200	0.405	0.00	-150	6.80	6.6	13.86	—
Sampling Method		☒ Reristaltic ☐ Submersible			Well Volume			
Sampling Start		12:01						
Sampling End		12:05						

Start Purge 11:05
 slight yellow tint
 Purge: 4 gallons

Purge Rate 275 ml/min
 sample 12:05

Monitoring Well Purge & Sample Form								
Site								
Project Number	302.REX			Site	Ball Corp - Kent, WA			
Project Manager	Mark Roman			Weather	Overcast H ² O			
Personnel	M. DeGroot , J. Akin			Date	2/27/18			
Well								
Well ID	ETMW-3			Depth to Water	5.12'			
Permit #				Depth to Product	-			
Construction Material	PVC			TOC Elevation	36.89			
Diameter	1"			PID Reading	0.0			
Completion	Flush mt			Screened Interval	5'-15'			
Total Depth	15'			Development Rate				
Purge/Sampling								
Parameter	Time	Specific Conductance	Dissolved Oxygen	ORP	pH	Turbidity	Temperature	Depth to Water
Units		µs/cm	mg/L	mV	S.U.	NTU	°C	feet
0940	0940	0.719	2.70	-97	5.85	2.42	15.59	—
	0945	0.717	3.29	-127	6.61	2.1	15.42	—
	0950	0.714	2.67	-147	6.65	1.1	14.88	—
	0955	0.712	2.11	-157	6.65	0.3	14.79	—
	1000	0.711	1.64	-162	6.67	0.2	14.83	—
	1005	0.710	1.43	-165	6.59	0.3	14.83	—
	1010	0.707	0.81	-164	6.59	0.1	14.88	—
	1015	0.707	0.40	-171	6.68	0.0	14.91	—
	1020	0.705	0.20	-171	6.67	0.0	14.91	—
	1025	0.704	0.09	-173	6.68	0.0	14.89	—
	1030	0.703	0.00	-172	6.66	2.7	14.88	—
Sampling Method <u>Peristaltic / Submersible</u> Sampling Start <u>10:31</u> Sampling End <u>10:40</u> Well Volume								

pump start 0936

Brown color, no odor
Purge rate 450 ml/min

~ 8 gallons purged

Monitoring Well Purge & Sample Form								
Site								
Project Number	302.REX				Site	Ball Corp - Kent, WA		
Project Manager	Mark Roman				Weather	LIGHT RAIN, 40s		
Personnel	M. DeGruy, J. Tully				Date	2/ 28 /18		
Well								
Well ID	MW-101				Depth to Water	8.58'		
Permit #					Depth to Product	8.55'		
Construction Material	PVC				TOC Elevation	41.39'		
Diameter	2"				PID Reading	21.8		
Completion	Flush Mount				Screened Interval	7-17'		
Total Depth	17'				Development Rate			
Purge/Sampling								
Parameter Units	Time	Specific Conductance µs/cm	Dissolved Oxygen mg/L	ORP mV	pH S.U.	Turbidity NTU	Temperature °C	Depth to Water feet
	1010	0.438	3.13	-99	6.74	1.4	28.27	8.90
	1015	0.438	2.68	-103	6.76	7.9	26.44	9.08
	1020	0.438	2.40	-105	6.77	3.7	26.67	9.19
	1025	0.440	2.00	-107	6.78	0.0	26.58	9.21
	1030	0.439	1.73	-108	6.79	0.6	26.80	9.28
	1035	0.443	1.36	-109	6.80	0.7	26.84	9.29
	1040	0.452	0.95	-110	6.80	1.0	26.99	9.30
	1045	0.461	0.78	-112	6.81	0.8	27.05	9.33
	1050	0.467	0.71	-113	6.82	2.1	27.14	9.34
	1055	0.484	0.57	-114	6.83	1.1	27.22	9.35
Sampling Method		Peristaltic / Submersible			Well Volume			
Sampling Start		1055			YELLOWISH COLOR			
Sampling End		1112						

START PURGE: 0958
 ~ 3.5 Gallons Purged

PURGE RATE ~ 200 ml/min

Monitoring Well Purge & Sample Form								
Site								
Project Number	302.REX			Site	Ball Corp - Kent, WA			
Project Manager	Mark Roman			Weather	cloudy, MID 40s			
Personnel	M. DeGregory, I. Tally			Date	2/ 27 /18			
Well								
Well ID	MW-104			Depth to Water	4.64			
Permit #				Depth to Product	-			
Construction Material	PVC			TOC Elevation	38.82'			
Diameter	2"			PID Reading	0.0			
Completion	Flush Mount			Screened Interval	5-15			
Total Depth	15'			Development Rate				
Purge/Sampling								
Parameter Units	Time	Specific Conductance µs/cm	Dissolved Oxygen mg/L	ORP mV	pH S.U.	Turbidity NTU	Temperature °C	Depth to Water feet
	1540	0.464	0.43	-108	6.64	1.0	14.63	4.68
	1545	0.457	0.26	-117	6.82	0.8	14.38	4.69
	1550	0.455	0.17	-141	7.28	0.7	14.22	4.70
	1555	0.454	0.12	-139	7.22	0.4	14.14	4.70
	1600	0.454	0.12	-132	7.12	0.3	14.08	4.70
	1605	0.453	0.10	-124	6.96	0.1	14.01	4.70
	1610	0.453	0.05	-119	6.88	0.2	13.94	4.70
	1615	0.453	0.03	-115	6.80	0.1	13.95	4.70
	1620	0.453	0.01	-113	6.74	0.2	13.91	4.71
	1625	0.453	0.00	-112	6.71	0.1	13.86	4.71
Sampling Method Peristaltic Submersible Well Volume Sampling Start 1625 Sampling End 1643								

START PURGE : 1535 • Purge Rate: 250 ml/min
 ~ 3 GALLONS PURGED

Monitoring Well Purge & Sample Form								
Site								
Project Number	302.REX				Site	Ball Corp - Kent, WA		
Project Manager	Mark Roman				Weather	cloudy, wind, Low 40s		
Personnel	M. DeGregory, I. Tally				Date	2/27/18		
Well								
Well ID	MW-107				Depth to Water	2.34		
Permit #					Depth to Product	-		
Construction Material	PVC				TOC Elevation	36.74		
Diameter	2"				PID Reading	0.0		
Completion	FLUSH MOUNT				Screened Interval	4.6-14.6'		
Total Depth	14.6'				Development Rate			
Purge/Sampling								
Parameter Units	Time	Specific Conductance µs/cm	Dissolved Oxygen mg/L	ORP mV	pH S.U.	Turbidity NTU	Temperature °C	Depth to Water feet
	1720	0.094	0.51	27	6.90	2.2	12.07	2.54
	1725	0.093	0.17	48	6.81	1.6	11.86	2.65
	1730	0.091	0.07	65	6.77	1.1	11.82	2.72
	1735	0.092	0.00	78	6.70	1.0	11.74	2.76
	1740	0.091	0.00	92	6.62	0.8	11.74	2.79
	1745	0.091	0.00	100	6.58	0.7	11.70	2.81
	1750	0.092	0.00	108	6.52	0.6	11.61	2.81
	1755	0.091	0.00	117	6.47	0.7	11.69	2.82
	1800	0.091	0.00	125	6.42	0.7	11.67	2.83
	1805	0.091	0.00	131	6.39	0.6	11.66	2.83
	1810	0.091	0.00	136	6.36	0.5	11.67	2.83
	1815	0.091	0.00	142	6.34	0.5	11.64	2.84
Sampling Method		☒ Peristaltic ☐ Submersible			Well Volume			
Sampling Start		1815						
Sampling End		1825						

START PURGE: 1715

PURGE RATE: 275 ml/min

~ 5 GALLONS PURGED

1/2

Monitoring Well Purge & Sample Form								
Site								
Project Number	302.REX			Site	Ball Corp - Kent, WA			
Project Manager	Mark Roman			Weather	Avercast mid 40s			
Personnel	J. Winkelman, J. Akin			Date	2/27/18			
Well								
Well ID	MW-201			Depth to Water	5.25			
Permit #				Depth to Product	None			
Construction Material	PVC			TOC Elevation	37.22'			
Diameter	2"			PID Reading	0.0			
Completion	Flush mount			Screened Interval	58.5 - 63.5			
Total Depth	63.5			Development Rate				
Purge/Sampling								
Parameter	Time	Specific Conductance	Dissolved Oxygen	ORP	pH	Turbidity	Temperature	Depth to Water
Units		ms/cm	mg/L	mV	S.U.	NTU	°C	feet
	1410	0.364	6.97	-101	7.30	1000	16.30	5.38
	1415	0.358	2.94	-128	7.31	1000	16.34	5.38
	1420	0.357	3.70	-133	7.17	1000	16.28	5.38
	1425	0.358	3.06	-141	7.18	327	16.19	5.38
	1430	0.359	4.14	-146	7.19	121	16.25	5.38
	1435	0.359	2.75	-152	7.20	76.8	16.21	5.38
	1440	0.359	1.60	-152	7.22	40.6	16.22	5.38
	1445	0.357	0.00	-154	7.24	29.6	16.16	5.38
	1450	0.354	0.98	-154	7.25	29.3	16.19	5.38
	1455	0.358	3.49	-161	7.31	30.5	16.23	5.38
	1500	0.360	1.98	-159	7.27	29.0	16.17	5.38
	1505	0.358	1.75	-157	7.19	30.5	16.16	5.38
	1510	0.357	1.68	-161	7.27	20.9	16.22	5.38
Sampling Method	Peristaltic / <u>Submersible</u>			Well Volume	9.8 gal			
Sampling Start	1530							
Sampling End	1536							

Vol

4.0 gal
4.0 gal
4.0 gal

Purge start 14:04

400 ml/min
collected dip-1

12 gallons purged

~~Just~~ grey color no odor, Turbid, cleared later

2/2

Monitoring Well Purge & Sample Form

Site

Project Number	302.REX	Site	Ball Corp - Kent, WA
Project Manager	Mark Roman	Weather	OVCN/ST MID-40s
Personnel	J. W. K. M. J. A. K. N. S.	Date	2/27/18

Well

Well ID	HW201	Depth to Water	512.5
Permit #		Depth to Product	None
Construction Material	PVC	TOC Elevation	17.22'
Diameter	2"	PID Reading	0.0
Completion	flush mount	Screened Interval	58.5-63.5
Total Depth	63.5	Development Rate	

Purge/Sampling

[illegible]

Sampling Method	Peristaltic / Submersible	Well Volume
Sampling Start	1530	
Sampling End	1536	

12 gallons total pump

BALL-KONT, WA
302.00X / BALL CONT
MW SAMPLES

2/18/18

MW	TIME	REL	SWL	SAMPLES	REMARKS
MTM-3	0918	0.0	5.12	1030	0.1
MTM-2	1049	0.0	5.11	1205	0.3
MTM-7	1117	0.0	5.84	1315	0.2
MW-103	1124	0.0	3.69	1651	0.2
MW-107	1134	0.0	2.34	1815 1815	0.2
MW-104	1200	0.0	4.64	1625	0.2
MW-201	1211	0.0	5.25	1536	0.2 X
MW-106	1220	0.5	8.26	0925	0.3
MW-101	1242	21.8	8.67	1055	0.6 (MD)
MW-102	1314	0.9	6.44	1038	0.3
MW-105R	1320	0.7	5.10	1156	0.2
MW-108	1412	60.1	7.23	1241	46.1 X

* DUP-2 CALIBRATED ON MW-108

UNAPL IN MW-101 ~ 0.3

1516 FIELD BLANK FB-1

1535 START MW-104

DUP-1 COLLECTION ON MW-201

CALL OFF PING C318919

GRUNDIG, CUMUL BOX, PIN-W CAL KIT

STICK TO: DENISE

ORIGIN OIL/WATER INTERFACE PROBS

BALL-KONT, WA
302.00X / BALL CONT
MW SAMPLES

2/27/18

SAMPLE MW-107

DOWN #1 LABELED W/ CONTENTS
(WATER RAISED)

1825 CUMULATIVE + JTW OFFSETS

MAN SIGNS ARE OUT