T005 ADAK LTM 2014 9-5-14

PHOTO LOG CONT...

1409	SHORELINE	SOUTH
1410	DUCKS IN CANAL	SOUTH
1410A	SHORELINE	SOUTH
1411	SHORELINE	SOUTH
1411A	SHORELINE	SOUTH
1413	SHORE LINE	SOUTH
1413A	SHORE LINE	SOUTH
1414	SHORELINE	SOUTH
1415	SHORELINE	SOUTH
1416	SHORELINE	SOUTH
1417	SHORELINE	SOUTH
1418	SHORELINE	SOUTH
1418A	END T-1451	SOUTH
1421	UNIDENTIFIED WELL	WEST

1730 END OF DAY FOR LTM

John Nighton 9-5-14

T005 ADAK LTM 2014 9-9-14

0700 - HEALTH + SAFETY MEETING AND TEAM ASSIGNMENTS FOR THE DAY. SAFETY HAZARDS; SLIPS, TRIPS, FALLS, WIND/RAIN HAZARDS COLD STRESS, TAKE BREAKS AS NEEDED.

0745 - PID BUMP TEST: 101, PREP FOR DAY

0800 - AT BUNKER FOR SUPPLIES. ALLOW BUNKER TO BREATHE PRIOR TO ENTRY PID READING 0.0 PPM.

0830 - AT SWMU62 EAGLE BAY FOR INSPECTIONS

TIME	WELL	DTW	DTB	DTP	PID	NOTES
~~0830~~ 0835 JDH 9.9.14	MW-303.8	22.56	29.19	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
0845	MW-303.12	21.18	31.79	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
0850	RW-303.4	21.87	35.90	N/A	2.7/0.0	TRACE ~~SHEEN~~ <.01
0905	03-109	29.65	36.57	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
0910	HMW-303.3	27.47	33.22	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
0917	HMW-303.4	25.84	28.60	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
0925	03-103	15.47	22.30	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
0935	03-898	12.26	21.58	N/A	0.0/0.0	

JDH 9.17.14

1000 - AT FORMER POWER PLANT BUILDING T-1451 FOR WELL INSPECTIONS.

TIME	WELL	DTW	DTB	DTP	PID	NOTES
1004	E-701	17.89	24.25	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01 JDH 9.17.14
1019	MW-1451.1	6.67	15.11	6.41	8.1/0.0	PT .26 *
1027	MW-1451.2	5.90	14.43	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01 JDH 9.17.14
1032	MW-1451.7	6.75	15.00	5.88	20.4/0.0	PT .87 *

John Nighton 9-9-14

T005 ADAK LTM 2014 9-9-14

T-1451 WELL INSPECTIONS CONT...

TIME	WELL	DTW	DTB	DTP	PID	NOTES
1040	mw:1451.6	4.25	13.56	N/A	18.5/0.0	RS ~~SHEEN~~ TRACE .01
1049	mw:1451.9	8.11	16.17	N/A	0.0/0.0	~~SHEEN~~ TRACE <.01
1057	mw:1451.8	6.23	16.16	N/A	0.0/0.0	~~SHEEN~~ TRACE <.01
1103	mw:1451.5	6.24	15.78	N/A	0.0/0.0	~~SHEEN~~ TRACE <.01

1115 - AT UNIT FOR PAPERWORK, PHOTO LOG, QC PAPERWORK.

1425 - BACK ONSITE AT FORMER POWER PLANT T-1451 FOR PRODUCT RECOVERY AT WELL mw-1451.7. PUMPED PRODUCT FOR THIRTY MINUTES AND COLLECTING A TOTAL OF 2.28 LITERS. WELL KEPT RECHARGING WITH PRODUCT AND COULD NOT ACHIEVE A LESS THAN .01' LEVEL, ONLY .03'

1455 - DTW: 6.14 DTP: 6.05 PT: .09'

1500 - DTW: 6.28 DTP: 6.01 PT: .27'

~~1505~~ 1515 9-9-14 - ONSITE AT SWMUGZ AT WELL RW-303-16 FOR PRODUCT RECOVERY. PUMPED PRODUCT FOR 30 MINUTES AND COLLECTED APPROXIMATELY 6.08 LITERS. WELL KEPT RECHARGING WITH PRODUCT AND COULD ACHIEVE A LESS THAN .01' LEVEL, ONLY .05'

1550 - DTW: 7.52 DTP: 7.47 PT: .05'

1555 - DTW: 7.54 DTP: 7.41 PT: .13'

John Aigler 9-9-14

T005 ADAK LTM 2014 9-9-14

1615 - AT UNIT WITH A. FRANZEN TO DISCUSS RECOVERED PRODUCT AT LTM WELLS.

1645 - AT BUNKER FOR DEMOBE OF PRODUCT RECOVERY SUPPLIES. ALLOW BUNKER TO BREATHE PRIOR TO ENTRY. PID READING WAS 1.1 ppm UPON ENTRY AND WAS REDUCED TO 0.2 ppm AFTER (15) MINUTES.

1715 - AT UNIT TO COMPLETE DEMOBE OF SUPPLIES, AND PHOTO LOG.

PHOTO LOG

TIME	DESCRIPTION	ORIENTATION
0842	mw-303-8 (START)	SOUTHWEST
0848	mw-303-12	NORTHWEST
0901	RW-303-4	NORTHWEST
0910	03-109	WEST
0916	Hmw-303-3	NORTH
0931	03-103	SOUTH
0939	03-898	WEST
1202	Hmw-303-4 (END)	SOUTH
1009	~~mw-1451~~ E-701 (START) 9-9-14	SOUTHEAST
1026	mw-1451-1	NORTHWEST
1031	mw-1451-2	NORTH
1038	mw-1451-7	NORTH
1048	mw-1451-6	NORTH

John Aigler 9-9-14

T005 ADAK LTM 2014 9-9-14

PHOTO LOG CONT....

TIME	DESCRIPTION	ORIENTATION
1054	MW-1451-9	NORTH
1102	MW-1451-8	EAST
1107	MW-1451-5 (END)	EAST

1500 - END OF DAY FOR LTM.

9-9-14

T005 ADAK LTM 2014 9-10-14

0700 - HEALTH & SAFETY MEETING AND TEAM ASSIGNMENTS FOR THE DAY. SLIPS, TRIPS, FALLS COLD STRESS, WIND / WEATHER HAZARDS.

0800 - PID BUMP TEST: 101 ppm, PROP FOR DAY.

0810 - ONSITE AT AREA 303 / OCI FOR WELL INSPECTIONS: HAZARD INSPECTION COMPLETE.

TIME	WELL	DTW	DTB	DTP	PID	NOTES
0815	03-778	19.33	27.74	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
0859	RW-102-4	18.95	27.83	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
0911	03-104	19.26	24.85	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
0923	MRP-MW2	18.89	28.02	N/A	335.0/0.0	
0929	MRP-MW3	7.31	10.62	N/A	571.6/0.0	TRACE ~~SHEEN~~ <.01
0938	MW-303-32	23.89	31.17	N/A	152.0/0.0	TRACE ~~SHEEN~~ <.01
0944	MW-303-33	21.85	26.85	N/A	2.2/0.0	TRACE ~~SHEEN~~ <.01
0955	04-211	23.48	30.25	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
1006	04-203	26.06	33.33	N/A	110.0/0.0	TRACE ~~SHEEN~~ <.01
1012	04-202	25.64	33.42	25.62	378/0.0	PT .02'
1019	04-201	25.40	33.23	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
1026	04-204	25.48	33.05	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
1032	04-213	24.53	29.95	N/A	3.6/0.0	TRACE ~~SHEEN~~ <.01
1102	04-210	24.44	33.03	N/A	0.0/0.0	TRACE ~~SHEEN~~ <.01
1110	MW-303-41	20.40	25.70	N/A	6.2/0.0	
1120	04-100	27.84	34.57	N/A	94.8/0.0	TRACE ~~SHEEN~~ <.01
1128	MW-303-31	27.19	34.05	N/A	28.8/0.0	TRACE ~~SHEEN~~ <.01
1136	MW-303-38	24.88	30.46	N/A	24.0/0.0	TRACE ~~SHEEN~~ <.01

9-10-14 9-17-14

T005 ADAK LTM 2014 9-10-14

WELL INSPECTIONS CONT...

TIME	WELL	DTW	DTB	DTP	PID	NOTES
1144	MW-303-40	6.89	17.80	N/A	0.0/0.0	TRACE ~~SHEEN~~ .01
1152	04-701	13.80	21.58	N/A	0.0/0.0	TRACE ~~SHEEN~~ .01
1330	MW-303-30	27.14	34.91	N/A	58.8/0.0	TRACE ~~SHEEN~~ .01
1340	03-107	27.12	32.84	N/A	59.7/0.0	TRACE ~~SHEEN~~ .01
1350	MW-303-39	20.98	27.91	N/A	0.0/0.0	TRACE ~~SHEEN~~ .01
1400	MW-303-37	12.70	18.42	N/A	0.0/0.0	TRACE ~~SHEEN~~ .01
1405	03-012	7.43	11.43	N/A	0.0/0.0	TRACE ~~SHEEN~~ .01
1420	MW-303-28	27.91	33.89	N/A	138/0.0	TRACE ~~SHEEN~~ .01
1431	MW-303-44	28.92	33.31	N/A	0.0/0.0	TRACE ~~SHEEN~~ .01
1440	MW-303-42	28.32	33.25	N/A	79.3/0.0	TRACE ~~SHEEN~~ .01
1444	MW-303-43	28.37	33.81	N/A	27.4/0.0	JA 9-17-14
1504	03-502	24.14	26.30	N/A	16.7/0.0	

1530 - AT UNIT FOR PAPERWORK, LOG BOOK, PHOTOS, QC PAPERWORK.

PHOTO LOG

TIME	DESCRIPTION	ORIENTATION
0820	03-778	EAST
0910	RW-102-4	SOUTH WEST
0921	03-104	NORTH
0936	MRP-MW2	SOUTH EAST
0936	MRP-MW3	EAST
0943	MW-303-32	WEST
0949	MW-303-33	NORTHEAST

John A Ziglar 9-10-14

T005 ADAK LTM 2014 9-10-14

PHOTO LOG CONT...

TIME	DESCRIPTION	ORIENTATION
1004	04-211	SOUTHEAST
1012	04-203	WEST
1018	04-202	EAST
1025	04-201	EAST
1030	04-204	NORTH
1039	04-213	EAST
1109	04-210	EAST
1117	MW-303-41	SOUTH
1125	04-100	EAST
1133	MW-303-31	WEST
1142	MW-303-38	WEST
1151	MW-303-40	NORTH
1157	04-701	NORTH
1338	MW-303-30	NORTH EAST
1345	03-107	WEST
1355	MW-303-39	NORTH EAST
1405	MW-303-37	NORTH
1414	03-012	WEST
1426	MW-303-28	SOUTH
1436	MW-303-44	SOUTH
1443	MW-303-42	WEST
1450	MW 303-43	SOUTH
1512	03-502	WEST

1900 - END OF DAY

John A Ziglar 9-10-14

T005 ADAK LTM 2014 9-11-14

0700 - HEALTH + SAFETY MEETING AND TEAM ASSIGNMENTS FOR THE DAY. SAMPLING CAUTIONS EXPRESSED DUE TO PREVIOUS PID READINGS.

0810 - PID BUMP TEST: 101 PPM

0819 - HORIBA U22 CALIBRATION FOR DAY

PH	COND	TURB	DO	TEMP	SAL	ORP
3.99	4.50	0.0	10.59	13.08	0.7	287

0850 - ONSITE AT AREA 303 \ GCI COMPOUND FOR WELL SAMPLING. HAZARD INSPECTION COMPLETED.

0900 - AREA 303 ~~MW-HCL-40~~ 9-11-14 MW-303-40

0926 - START COLLECTING PARAMETERS

1001 - WELL STABILIZED

PH	COND	TURB	DO	TEMP	SAL	ORP
5.96	0.404	0.0	0.0	10.23	0.0	86

1005 - COLLECT SAMPLE

(4) 40 ml AMBER VOA w/HCL GRO (AK 101)
(4) 40 ml AMBER VOA w/HCL BTEX (8260C)
(4) 40 ml AMBER VOA w/HCL METHANE (RSK175)
(2) 1L AMBER DIBENZ (A,h) ANTHRACENE (8270D SIM)
(1) 500 ml POLY ALKALINITY (SM2320B)
SULFATE (300.0)
(1) 500 ml POLY HDPE w/HNO3 TOTAL LEAD (EPA 6020A)

— [signature] 9-11-14 —

T005 ADAK LTM 2014 9.11.14

(1) 500 ml HDPE w/HNO3 DISSOLVED LEAD (EPA 6020A)

TEST KIT RESULTS:

DO PPM: 0.60 FE^2 PPM: 2 CO_2 PPM: 22

MONITORING WELL VISUAL CHECKLIST COMPLETED ON 9-10-14.

1100 - AT UNIT FOR SAMPLE PACKING AND HORIBA U22 MID DAY CALIBRATION.

TIME	PH	COND	TURB	DO	TEMP	SAL	ORP
1126	3.99	4.52	0.0	10.86	12.19	0.2	288

1200 - END OF DAY

[signature] 9-11-14

TO 05 ADAK LTM 2014 9/17/14

0700 - HEALTH + SAFETY MEETING AND TEAM ASSIGNMENTS FOR THE DAY.

0811 - PID BUMP TEST: 100 PPM

0815 - HORIBA U22 CALIBRATION

PH	COND	TURB	DO	TEMP	SAL	ORP
4.00	4.51	0.0	10.61	13.23	0.2	294

0900 - ONSITE AT AREA 303 GCI COMPOUND FOR WELL SAMPLING. HAZARD INSPECTION COMPLETED.

0905 - AT WELL # MW-303-31

0920 - START COLLECTING PARAMETERS.

0940 - WELL STABILIZED

PH	COND	TURB	DO	TEMP	SAL	ORP
5.83	0.436	19.6	0.00	6.93	0.0	12

0945 - COLLECT SAMPLE

(4) 40 ML AMBER VOA W/HCL → GRO (AK101)

(4) 40 ML AMBER VOA W/HCL → BTEX (8260C)

(4) 40 ML AMBER VOA W/HCL → METHANE (RSK175)

(2) 1 L AMBER DIBENZ (a,h) ANTHRACENE (8270D SIM)

(1) 500 ML POLY ALKALINITY (SM 2320B)

SULFATE (300.0)

(1) 500 ML POLY HDPE W/HNO3 TOTAL LEAD (EPA 6020A)

John Aigler 9-12-14

TO05 ADAK LTM 2014 9-12-14

(1) 500 ML HDPE W/HNO3 DISSOLVED LEAD (EPA 6020A)

TEST KIT RESULTS:

DO PPM: 1 CO2 PPM: 13 FE2 PPM: 2

MONITORING WELL VISUAL CHECK - ~~2/4~~ 9-12-14

LIST COMPLETED 9-10-14

1110 - AT WELL MW-303-41

PREPURGED APPROXIMATELY (1) GALLON PRIOR TO CONNECTING FLOW CELL DUE TO HEAVY RED PARTICULATE IN WELL

1140 - START COLLECTING PARAMETERS AT 100 ML MIN. WELL CONTINUES TO DRAW DOWN AT A STEADY RATE.

1205 - WELL RAN DRY. WILL RETURN IN (3) HOURS TO CONTINUE SAMPLING.

1500 - BACK ON SITE AT WELL MW-303-41

1522 - PURGE 500 ML OF WATER FROM WELL THEN COLLECT INITIAL RESTART PARAMETERS.

PH	COND	TURB	DO	TEMP	SAL	ORP
6.17	0.511	72.1	5.59	9.26	0.0	18

WELL NOT STABILIZED DUE TO HEAVY DRAW DOWN AND NOT RECHARGING AT EFFICIENT RATE.

1525 - COLLECT SAMPLE

John Aigler 9-12-14

T005 ADAK LTM 2014 9.12.14

(3) 40 ML AMBER VOA W/HCL GRO (AK101)
(3) 40 ML AMBER VOA W/HCL BTEX (8260C)
(3) 40 ML AMBER VOA W/HCL METHANE (RSK175)
* ONLY (3) VOA COLLECTED PER ABOVE SAMPLES DUE TO POSSIBLE LOW VOLUME OF WATER.
(2) 1L AMBER DIBENZ (a,h) ANTHRACENE (8270D SIM)
(1) 500 ML POLY ALKALINITY (SM2320B)
SULFATE (300.0)
(1) 500 ML POLY HDPE W/HNO3 TOTAL LEAD (EPA 6020A)
(1) 500 ML POLY HDPE W/HNO3 DISSOLVED LEAD (EPA 6020A)

TEST KIT RESULTS:
DO PPM: 5 Fe^2 PPM: 10 CO_2 PPM: 14
MONITORING WELL VISUAL CHECKLIST COMPLETED 9.10.14
1645 - AT UNIT FOR PAPERWORK, LOG BOOK, QC PAPERWORK.
1730 - END OF DAY FOR FIELD WORK.
~~1654 - END OF DAY HORIBA CALIBRATION~~
9.12.14

9.12.14

T005 ADAK LTM 2014 9.12.14

LATE ENTRY FOR DAY.
1654 - END OF DAY HORIBA CALIBRATION

PH	COND	TURB	DO	TEMP	SAL	ORP
3.99	4.48	0.0	9.76	13.55	0.2	262

9.12.14

TOOS ADAK LTM 2014 9.15.14

0700 - HEALTH + SAFETY MEETING AND TEAM ASSIGNMENTS FOR THE DAY.

0746 - PID CALIBRATION BUMP TEST: 101 ppm

0736 - HORIBA U22 CALIBRATION

PH	COND	TURB	DO	TEMP	SAL	ORP
3.98	4.57	0.0	10.23	14.47	0.2	284

0800 - AT BUNKER FOR SUPPLIES, PID 0.0.

0830 - ONSITE AT AREA 303 | GCI COMPOUND. FOR WELL SAMPLING. HAZARD INSPECTION DONE.

0835 - AT WELL MW-303-28

0855 - START COLLECTING PARAMETERS.

0945 - WELL STABILIZED.

PH	COND	TURB	DO	TEMP	SAL	ORP
6.09	0.861	1.1	0.00	8.01	0.0	-10

0950 - COLLECT SAMPLE

(4) 40 ML AMBER VOA W/HCL GRO (AK 101)
(4) 40 ML AMBER VOA W/HCL METHANE (RSK 175)
(1) 500 ML POLY ALKALINITY (SM 2320B)
SULFATE (300.0)
(1) 500 ML POLY HDPE W/HNO3 TOTAL LEAD (EPA 6020A)
(1) 500 ML POLY HDPE W/HNO3 DISSOLVED LEAD (EPA 6020A)

TEST KIT RESULTS:

DO PPM: 0.3 FE2 PPM: 25 CO2 PPM: 12

[signature] 9.15.14

TOOS ADAK LTM 2014 9.15.14

MONITORING WELL VISUAL INSPECTION CHECKLIST COMPLETED 9.10.14.

1045 - AT WELL MW-303-42

1105 - START COLLECTING PARAMETERS

1155 - WELL DID NOT STABILIZE. FINAL READ

PH	COND	TURB	DO	TEMP	SAL	ORP
6.29	0.870	51.7	0.00	8.18	0.0	-39

1200 - COLLECT SAMPLE

(4) 40 ML AMBER VOA W/HCL GRO (AK 101)
(4) 40 ML AMBER VOA W/HCL BENZENE (8260C)
(4) 40 ML AMBER VOA W/HCL METHANE (RSK 175)
(1) 500 POLY ALKALINITY (SM 2320B)
SULFATE (300.0)

TEST KIT RESULTS: 5x DILUTION FOR FE2

DO PPM:	FE2 PPM:	CO2 PPM:
0.3	30	12

MONITORING WELL VISUAL INSPECTION CHECKLIST COMPLETED 9.10.14

1235 - AT BUNKER TO DEMOBE PURGE WATER AND COLLECT SUPPLIES FOR PRODUCT RECOVERY. ALLOW BUNKER TO BREATH PRIOR TO ENTRY. PID 0.0 PPM.

1300 - AT UNIT FOR DEMOBE + CALIBRATION.

PH	COND	TURB	DO	TEMP	SAL	ORP
3.99	4.49	0.0	10.12	12.83	0.2	276

[signature] 9.15.14

T005 ADAK LTM 2014 9.15.14

1435 - ONSITE AT WELL RW-303-16 FOR LTM PRODUCT RECOVERY.

DTP: 7.37' DTW: 7.72' PT: .35'

1440 - START REMOVAL OF PRODUCT WITH PERISTALTIC PUMP. REMOVED (3.2) LITERS OF PRODUCT OVER A HOUR TIME FRAME. LOWEST PRODUCT LEVEL ACHIEVED IN TIME FRAME WAS .03'. COULD NOT ACHIEVE .01' LEVEL DUE TO WELL RECHARGING WITH PRODUCT CONTINUALLY.

1545 - FINAL DEPTHS BEFORE LEAVING SITE.

DTP: 7.45 DTW: 7.48. WILL RETURN TO WELL AT A LATTER DATE FOR MORE PRODUCT RECOVERY.

1605 - AT BUNKER FOR DEMOBE OF PRODUCT RECOVERY EQUIPMENT

1630 - AT UNIT FOR PAPERWORK, DEMOBE EQUIPMENT, CLEAN + ORGANIZE VAN, QC PAPERWORK.

1730 - END OF DAY

9.15.14

T005 ADAK LTM 2014 9.16.14

0700 - HEALTH + SAFETY MEETING AND TEAM ASSIGNMENTS FOR THE DAY.

0800 - PID CALIBRATION BUMP TEST: 101 ppm

0802 - HORIBA U22 CALIBRATION

PH	COND	TURB	DO	TEMP	SAL	ORP
3.99	4.49	0.0	10.59	13.31	0.2	293

0830 - AT BUNKER. ALLOW BUNKER TO BREATHE PRIOR TO ENTRY. PID: 0.0ppm SET UP FOR WASTE MANAGAMENT, SET UP AND SECURE GENERATOR OUTSIDE OF BUNKER TO RUN INTERIOR FAN FOR CIRCULATION

0915 - ONSITE AT AREA 303 / GCI COMPOUND.

0920 - AT WELL MW-303-38

0937 - START PARAMETERS

0957 - WELL ~~STABILIZED~~ 9H 9.16.14 STABILIZED

PH	COND	TURB	DO	TEMP	SAL	ORP
5.96	0.429	5.0	0.00	6.71	0.0	15

1000 - COLLECT SAMPLE

(4) 40 ml AMBER VOA w/HCL GRO (AK101)
(4) 40 ml AMBER VOA w/HCL BTEX (8260C)
(4) 40 ml AMBER VOA w/HCL METHANE (RSK175)
(2) 1 L AMBER (q.in) DIBENZ ANTHRACENE (8270D SIM)
(1) 500 ml POLY ALKALINITY (SM2320B)
SULFATE (300.0)

9.16.14

T005 ADAK LTM 2014 9.16.14

SAMPLE LOG CONT.

(1) 500 ML POLY HDPE W/HNO3 TOTAL LEAD (EPA6020A)

(1) 500 ML POLY HDPE W/HNO3 DISSOLVED LEAD (EPA6020A)

TEST KIT RESULTS:

DO PPM: 0.8 FE2PPM: 4 CO2PPM: 15

MONITORING WELL VISUAL INSPECTION COMPETED 9.10.14

1050 - AT WELL MW-303-44

1101 - START PARAMETERS

1146 - WELL "DID NOT" STABILIZE.

PH	COND	TURB	DO	TEMP	SAL	REDOX (ORP)
5.93	0.486	113.0	2.50	7.65	0.0	84

PURGED 3X CASING VOLUME PER PLAN

1150 - COLLECT SAMPLE

(4) 40 ML AMBER VOA W/~~HCL~~ HCL GRO (AK101)

(4) 40 ML AMBER VOA W/HCL METHANE (RSK175) DMB 9.16.14

(1) 500 ML POLY ALKALINITY (SM2320B)

SULFATE (300.0)

TEST KIT RESULTS:

DO PPM: 2.5 FE2PPM: 2 CO2PPM: 14

1215 - AT UNIT FOR DEMOBE + CALIBRATION.

1220 - HORIBA U22 CALIBRATION

PH	COND	TURB	DO	TEMP	SAL	ORP
3.98	4.49	0.0	9.93	12.53	0.2	277

John Hughes 9.16.14

T005 ADAK LTM 2014 9.16.14

1400 - AT UNIT TO MOBILIZE EQUIPMENT, GATHER SAMPLE SUPPLIES FOR BUNKER.

1415 - AT BUNKER FOR SAMPLING IDW CERCLA PURGEWATER. ALLOW BUNKER TO BREATH PRIOR TO ENTERING. PID: 0.0 PPM. SET UP EQUIPMENT AND FILTER ASSEMBLY FOR SAMPLING.

1505 - COLLECT SAMPLE. PH TEST: 6

(2) 500 ML AMBER TCLP VOC'S (1311 W/8260C)

(1) 1 L POLY TCLP METALS (1311 W 6010C + 7470A)

(4) 40 ML AMBER VOA W/HCL VOCS (30 ANALYTES) (8260C)

(4) 40 ML AMBER VOA W/HCL GRO (AK101)

(2) 1 L AMBER W/HCL DRO (AK102)

(1) 500 ML POLY W/HNO3 - TOTAL PRIORITY POLLUTANT METALS AND ALUMINUM AND BARIUM (6020A AND 7470A)

1615 - AT UNIT FOR DEMOBE OF EQUIPMENT AND SUPPLIES AND SAMPLES. UPDATE LOG BOOK, COMPLETE PAPERWORK, QC PAPERWORK, QC WASTE MANAGEMENT.

1730 - END OF DAY

John Hughes 9.16.14

T005 ADAK LTM 2014 9.17.14

0900 - HEALTH + SAFETY MEETING AND TEAM ASSIGNMENTS FOR THE DAY.

1015 - AT BUNKER FOR SAMPLING IDW PETROLEUM PURGE WATER. ALLOW BUNKER TO BREATH PRIOR TO ENTRY. PID: 00 PPM. SET UP EQUIPMENT AND FILTER ASSEMBLY FOR SAMPLING PURGE WATER.

1130 - COLLECT SAMPLE

(4) 40 ML AMBER VOA W/HCL GRO (AK101)
(4) 40 ML AMBER VOA W/HCL BTEX (8260C)
(2) 1 L AMBER W/HCL DRO (AK102)
(2) 1 L AMBER DIBENZ (A,H) - ANTHRACENE (8270D - SIM)
(1) 500 ML POLY W/HNO3 TOTAL LEAD (6020A)

ASSESS ACCUMULATED QUANTITIES OF IDW "CERCLA" PURGE WATER. SITES INCLUDE: SWMU 14, SWMU 17, SWMU 18, SWMU 19, SWMU 13, SWMU 55, ROBERTS LANDFILL,

* TOTAL CERCLA: APPROXIMATELY (40) GALLONS.

ASSESS ACCUMULATED QUANTITIES OF IDW PETROLEUM PURGE WATER. SITES INCLUDE: SWMU 60, SA29, NMCB, SOUTH OF RUNWAY 18/36 SWMU 61/62, FORMER POWER PLANT, AREA 303.

* TOTAL PETROLEUM: APPROXIMATELY (100) GALLONS.

John Aiglstn 9.17.14

T005 ADAK LTM 2014 9.17.14

1245 - AT UNIT FOR VAN CLEAN UP.

1345 - UPDATE LOGBOOK, QC PAPERWORK, QC WASTE MANAGEMENT PLANS.

1530 - END OF DAY FOR LTM.

John Aiglstn 9.17.14

T005 Adak LTM 2014 10-14-14

0800 conduct tailgate HtS meeting topics included - Slips/trips/Falls, allow bunker to breath prior to entry - use PID, proper PPE, no heavy lifting, wind hazards were some topics discussed.

weather: 8 mph wind, 15-20 mph gusts, wind ENE turning in afternoon to NNW, showers, 40°F-50°F.

0910 Set up to filter and store Cercla water at bunker

1130 Cercla water has now all been filtered waiting to dump until results are confirmed.

1145 set up to filter and start to filter petroleum sites purge water.

1725 Stopped pump ~30 gallons of petroleum sites purge water was filtered

1745 end of day

10/14/14

Rite in the Rain®

ALL-WEATHER

JOURNAL

№ 390N

TO Ø5 Adak LTM 294

OU A

QC

Start: 8/22/14

End: 9/19/14

Book#: QC

Task Order: 05

Contract: N44255-14-D-9011

Project: Adak LTM 2014

Navy Installation: Former Naval Complex Adak, AK

Site Name: OU A

Start Date: 8/22/14

End Date: 9/19/14

Book Assignment: QC (Sherri Wunderlich)

Company: Sealaska Environmental Services

Address: 18743 Front St NE, Ste. 201
Poulsbo, WA 98370

Phone: 360-930-3300

Reviewed By: [signature]

Date Reviewed: 11-6-14

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Rite in the Rain®
ALL-WEATHER WRITING PAPER

ALL-WEATHER
JOURNAL FIELD BOOK
Numbered Pages

Name QC LOGBOOK
Sherri Wunderlich

Address

Phone

Project TO #5 Adak LTM 2014

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TO ϕ5 Adak LTM 2014 8/22/14

0900 Meeting held at Unit 111B Attendees include Andy Lewis, Robert Boyd, William Kaage, Jeremiah Santini, Barb Schleiger, John Highstone & Sherri Wunderlich & Aaron Vernik (NAVFAC Northwest NTR/RPM). Discussed brief overview of project & field logistics by Andy, health & safety by Barb, waste management by Andy, & QC activities by Sherri. Watch UXO video.
Checked received bottles vs. bottle order (from 7/17/14 email) by Sherri to Greg Salata). Identified some bottles were missing.

1330 Called Greg Salata to request shipment of missing bottles for receipt on Sunday 8/24/14.

1415 Island orientation tour.

1700 Back at units, Sherri & Barb finish checking bottles & organizing storage area (111B garage).

1830 Organize office

2100 Off for day

Sherri Wunderlich 8/22/14

TO ϕ5 Adak LTM 2014 8/23/14

0900 Meeting held at Unit 111B. Attendees include Andy Lewis, Robert Boyd, Will Kaage, Jeremiah Santini, Barb Schleiger, John Highstone, Sherri Wunderlich & Aaron Vernik. Discussed tasks & field logistics, plans, roadmaps, comparison vs last year's forms. Discussed when to sample (stabilization criteria, 3x casing volume, purge for 2 hrs, dry wells - sample 3 hrs after recharge) Discussed field forms. Barb discussed safety & health.

1115 Island orientation tour to Bering Hill, pick up drums at bunker.

1330 Orientation w/ peristaltic pumps, Horiba, PID.

1515 Prefill COC form, office work.

1700 Off for day

Sherri Wunderlich 8/23/14

TO ~~05~~ Adak LTM 2014 8/25/14

0700 Meeting held at 111B. Attendees include Andy, Bob, Barb, Sherri, John, Jeremiah, Will & Aaron.

Assignments:

Team 1: South of Runway 18/36 sediments (3 for DRO) support team 2

Team 2: SA 79 (3 wells for DRO & NAPs)

Team 3. fix van & shoreline inspections (SA 79, SWMU 60, S of R 18-36)

Discuss QC items (relabel/repaint well IDs for visibility next year, use dry board w/ sediment & surface water location identification, Team 2 will collect 1 field dup for DRO today)

Barb discusses safety & health.

0815 Send CPQCR #1 summarizing site orientation & preparation activities on 8/22/14 & 8/23/14 to Aaron & Steve Sheehan w/ cc to Annette.

0930 Arrive at SA79 well MRP-MW8 where Team #2 is sampling & Team 1 is supporting.

Sherri Cuthbertson 8/25/14

TO 05 Adak LTM 2014 8/25/14

1130 Check on Team #2 wrapping sediment containers in van at South of Runway 18/36. All OK.

1140 Contact Team #3 performing shoreline inspections nearby All OK.

1200 Back at Unit 111B for lunch

1245 Observe Team #2 performing mid-day cal check for Horiba.

1300 Pull paperwork for tomorrow's schedule.

1515 Barb calls to find out if SA79 purge water w/ odor should be containerized. Sherri says "yes" per Waste Management Plan

~~1615~~ 1615 SCW 8/25/14 Sherri to SA79 to observe Team #2 finish sampling at 02-230 & then sample 601. All OK.

1830 Back at Unit 111B to demob for day.

1900 Check field forms & logbooks

2000 End of day

Sherri Cuthbertson 8/25/14

TO Ø5 Adak LTM 2014 8/26/14

0700 Meeting held at 111B. Attendees include Aaron, Andy, Bob, Barb, Jeremiah, Will, John, Sherri

Assignments:

Team 1: SWMU 60 (1 well, 1 SW, 1 sed) & possibly SWMU 14 + SWMU 17

Team 2: SWMU 60 (4 wells for sampling).

Team 3. NMCB ~~B~~ SW 8/26/14 DTW & shoreline inspection

QC items discussed include the following: clarification regarding "Inspection Location" on shoreline form, dotted lines & solid lines on forms, chronological order in logbook (DTB after sampling, don't document alongside DTW performed before sampling), field QC samples & trip blanks for 8/26/14, H&S discussion by Barb.

0800 Discuss yesterday's logbooks & field forms with Teams 2 & 3.

0830 Prepare trip blanks.

0900 Office work

1030 Reservation for GoldStreak shipment to Argus-Hazco. 5pcs, ~120 lbs. AWB 1268 7975.

Notify Dustin Hartley via email.

Sherri L Wilk 8/26/14

TO Ø5 Adak LTM 2014 8/26/14

1230 Pick up Aaron for NMCB shoreline inspection, observation & health/safety spotting of Team 3.

1430 At SWMU 14, check on Team 1. All OK.

1500 Back at Unit 111B to do paperwork.

1630 Respond to questions as teams arrive back from field.

2100 Off for day

Sherri L Wilk 8/26/14

TO Ø5 Adak LTM 2014 8/27/14

0700 Meeting held at 111B. Attendees include Barb, Sherri, John, Andy, Bob, Will, Jeremiah & Aaron.

Assignments:

Team 1: SWMU 60, SW & SED, check SWMU 61-1 wafer may be too high, SWMU 17 ~~help others SWMU 17~~ SW 8/27/14

Team 2: NMCB 4 wells (already inspected)

SWMU 60 well 650 resample

Team 3: South of Runway, 12 inspections & 3 samples

QC items discussed include the following. One well at SWMU 60 (well 653) & three wells at NMCB (NMCB-07, NMCB-10 & NMCB-11) contain product ≥ 0.02' and, thus, will not be sampled. Well 650 at SWMU 60 did not stabilize for turbidity & needs resampled. Discussed units of measure on forms. Discussed documenting when current & previous well depths are not consistent (provide reason - e.g. - soft bottom or that a

[signature] 8/27/14

TO Ø5 ADAK LTM 2014 8/27/14

0700 CONT confirmation measurement(s) was performed.

0730 Prepare trip blanks for Teams 2 & 3.

0900 Talk to Annette. She asks me to tell Aaron she recommends adding NAPs at SWMU 55. I relayed a message from Aaron to recommend (as appropriate) discontinuing shoreline inspection at NMCB due to hazard & no evidence of petroleum contamination.

1000 Generate Sampling Deviation Forms for SWMU 60 well 653 and NMCB wells NMCB-07, NMCB-10 & NMCB-11. Email to Annette for approval.

1100 Annette approves application of her signature on the forms.

1105 Call Goldstreak to adjust qty of pcs on AWB 1268 7975 from 5 pc to 6 pc. The additional pc weighs ~20 lbs.

1106 Reserve Goldstreak shipment of

[signature] 8/27/14

TO 05 ADAK LTM 2014 8/27/14

1106 CONT 12 coolers for tomorrow. 600 pounds total weight.
AWB 1269 2422.
Will adjust qty of pcs & weigh if necessary.

1230 Aaron stops by. He signs the Sampling Deviation Forms generated earlier this morning. He agrees with Annette's recommendation that NAPs should be ~~generated~~ conducted at SWMU 55. Sherri will initiate an FCR. SLW 8/27/14

1330 Conduct surveillance of Team 3 sampling their first well at South of Runway 18-36 well 02-231. Initially there is an equipment malfunction with their Horiba (w/ conductivity) U-50 they swap out units; all ok.

Team 2 calls to say the GW SAP App E is missing well details for NMCB well 02-461. Aaron offers to ~~find~~ retrieve the missing info from NIRIS, Sherri graciously accepts. SLW 8/27/14

Sherri Walsh 8/27/14

TO 05 ADAK LTM 2014 8/27/14

1330 CONT Upon further review, it turns out that Page 1 of Table E-1 is inadvertently missing from the printed versions of the SAP that was provided the fieldcrew. Sherri will print & distribute the missing page to the crew for inclusion to their hardcopy GW SAP. No well details are provided in Table E-1 for Area 303. Need to pursue obtaining that info
Visit Team 2 at NMCB.

1800 Return to Unit 111B.

1900 Off for day.

Sherri Walsh 8/27/14

TO 05 ADAK LTM 2014 8/28/14

0700 Meeting at Unit 111B Attendees include Barb, Andy, Bob, John, Will, Jeremiah, Sherri

Assignments:

Team 1: South of Runway 18-36, 1 well in morning, White Alice in afternoon

Team 2: South of Runway 18-36 1 well in morning, Arctic Acres in afternoon

Team 3: SA 80 well inspections in morning, Jeremiah will do office work in afternoon

QC items discussed include missing page from Appendix E (distributed to teams), FCR to be generated for SWMU 55, teams will turn in COC forms to check vs. Final Revised CMP Tables, check to see if trip blanks are necessary for afternoon sampling. Safety briefing by Barb w/ John.

0900 Telecon w/ Annette. We decide to generate the FCR for SWMU 55 when she arrives on Adak.

1215 Observe teams packing coolers for todays shipment. Sample

Sherri L Wurth 8/28/14

TO 05 ADAK LTM 2014

1215 CONT containers are packed securely & sufficient gel packs (minimum of 8 per cooler) are present. Review COC forms vs Final 2014 Revised CMP Tables.

1330 Review field forms & perform other office tasks. Jeremiah assists

1500 Team 2 reports PT ≥ 0.02 in Arctic Acre well 03-890 Will need to generate ~~con~~ SLW 8/28/14 a Sampling Deviation Form.

1900 off for day

Sherri L Wurth 8/28/14

TO 05 ADAK LTM 2014 8/29/14

0700 Meeting at 111B Attendees include Barb, Aaron, Sherri, Jeremiah, Will, Bob, Andy.

Assignments:

Team 1: White Alice Landfill (one well & 3 surface water)

Team 2: Arctic Acre, SA 80, RUICC

Team 3: SA 80

QC items discussed include Sampling Deviation Form needed for one Arctic Acre well, reminder to diligently fill out field forms, trip blanks

0930 White Alice Landfill surface water location WASW03 to observe Team #1 collect a sample. Field measurements were obtained directly from the body water per LF SAP Stand-Alone Instruction #5. surface water sample WASW03-2014 was obtained in accordance with Stand-Alone Instruction #8.

1130 SA80 well SP4-3.

Assist team #3 w/ ferrous iron test kit dilns.

Shenni L Windell 8/29/14

TO 05 ADAK LTM 2014 8/29/14

1345 SA 80 well 04-158, which is drawing down while purging at 1/8 gal per 5 min (~100 ml/min). Team #2 & I discuss options if well goes dry; however it doesn't and all required aliquots are obtained for lab & field testing

1730 Review field forms

1900 Off for day.

Shenni L Windell 8/29/14

TO 05 ADAK LTM 2014 8/30/14

0700 Meeting at 111B. Attendees include Barb, Andy, Bob, John, Aaron, Jeremiah, Sherri

Assignments:

Team 1: Roberts LF surface waters

Team 2: ROICC

Team 3: Tanker Shed

QC items discussed: reminder to take site overview photos; be careful transcribing site & location names (relabel ~~at~~ SLW 8/30/14 SA80 well SP4-3 inadvertently labeled "SB4-3", ROICC not RICCO); samples rec'd OK at lab (one frozen/broken VOC vial & one VOC vial with air bubble(s)); dilution factors for ferrous iron; test kit cup gets rinsed with water & then 3 times w/ well water; initialize & date corrections; update well inspection form if odor not noticed during inspection but noted during purging.

0800 Review field forms & update CPQC Report

Shenni L W[illegible] 8/30/14

TO 05 ADAK LTM 2014 8/30/14

1400 Tanker Shed site to ~~watch~~ observe SLW 8/30/14 Teams 2 & 3 conduct groundwater sampling. Verified teams rinse test kit cups with water and then triple-rinse ~~with the~~ with SLW 8/30/14 well water prior to performing test kit analysis. All OK.

1600 Review field forms. Complete field surveillance checklists SUR-05-001 and SUR-05-002 to summarize observations from groundwater & surface water collection.

2100 Check COC forms & field forms.

2230 Off for day

Shenni L W[illegible] 8/30/14

TO 05 ADAK LTM 2014 8/31/14

1030 Call Goldstreak to reserve shipment of 8 coolers to lab. AWB # 1270 3611

1035 Off for day

Sherri Windish 8/31/14

TO 05 ADAK LTM 2014 9/01/14

0700 Meeting at 111B. Attendees include Barb, Bob, Andy, Aaron, Sherri, Will, Jeremiah, and Annette. Assignments:
Team 1: Metals Landfill (wells)
Team 2: Metals Landfill (wells)
Team 3: Metals Landfill (wells)
QC items discussed include a reminder that Metals Landfill is a CERCLA site & purge water is collected; procedure for monitoring methane using the four-gas meter; procedure for filtering for dissolved metals (turn flow rate down to 250ml/mn, run 500 ml through filter before collecting sample aliquot); and QC samples. Barb gives H&S briefing.

0900 Metals Landfill to observe & assist.

1700 Review field forms.

1800 Off for day

Sherri Windish 9/1/14

TO 05 ADAK LTM 2014 9/02/14

0700 Meeting at Unit 111B. Attendees include Barb, Will, Sherri, Aaron, Andy, Bob, Jeremiah, Annette. Assignments:
Team 2: Metals & Roberts Landfill
IC inspections: Annette, Bob, Sherri with Aaron & Steve
QC items discussed include a reminder to watch for "–" on field forms, logbooks, sample IDs [exactly match roadmaps]; take site overview photos (need one for Metals Landfill); discuss "debris not likely to affect sample results" on sed/SW/shoreline inspection forms. low sample volume at Well A-3 at Roberts Landfill; trip blank needed for Team 2 today.
0800 Prepare trip blank for Team 2.
1800 Off for day

Sherri Wilk 9/02/14

TO 05 ADAK LTM 2014 9/03/14

0700 Meeting at 111B. Attendees include Aaron, Andy, Annette, Barb, Bob, Jeremiah, Will, Sherri. Assignments
Team 1: surface water at Roberts LF
Team 2: wells at Roberts LF
IC inspections: ~~Aaro~~ SLW 9/3/14 Annette, Bob, Sherri with Aaron
QC items discussed include coolers arriving OK at lab for ~~on~~ 8/31/14 shipment; trip blanks needed for Roberts Landfill (except NL-11, NL-12 & NL-14)
0800 Leave 111B for IC inspections.
1730 Back at 111B. Review field forms & COC forms.
1830 Off for day

Sherri Wilk 9/03/14

TO 05 ADAK LTM 2014 9/04/14

0700 Meeting at 111B. Attendees include Will, Jeremiah, Barb, Aaron, Andy Bob, Sherri & Annette.

Assignments

Team 1 } Shoreline inspection, surface water & sed.
Team 2 } SWMU 61 well
Team 3 } (Sherri & Jeremiah) well in A.M.

QC items discussed include today's trip blank (water) for GRO & BTEX will be shared by all teams.

Call Goldstreak to reserve shipment of ~8 coolers. AWB# 1271 4925

1300 Check COC forms. Rewrite Team 3 COC form (not due to error, but for further clarification). Jeremiah checks rewritten COC form done by Sherri.

1400 REVIEW lab log-ins & field forms.

1900 Off for day

Sherri 9/04/14

TO 05 ADAK LTM 2014 9/05/14

0700 Meeting at 111B Attendees include Barb, Will, Jeremiah, Andy, Bob, Aaron, John, Sherri, Annette.

Assignments

Team 1 Palisades Landfill sediment
Team 2 Roberts Landfill surface water
Team 3 East Canal/Area 303 shoreline insp.

QC items discussed include accolades for checking each other's work yesterday while rushing to complete SWMU 61 sampling & shipping samples; reminder to watch for consistency in using dashes (roadmap/logbooks/field forms, labels, COC forms); read Landfill SAP Stand-Alone Specific Instruction for sediment sampling (Team 1) and surface water sampling (Team 2).

H+S briefing by Barb.

0800 Review field forms. Update CPAC Report.

1300 Team #2 reports SWMU 25 Roberts Landfill surface water location RLSW01 is dry. Generate Sampling Deviation Form.

Sherri 9/04/14

TO 05 Adak LTM 2014 9/05/14

1400 Review fieldforms, update CPQC Report. SLW 9/5/14

1900 End of day

Shenni L Wilk 9/5/14

TO 05 ADAK LTM 2014 9/06/14

0830 Meeting in 111B Attendees include Jeremiah, Will, Andy, Bob, John, Barb, Sherri, Annette.

~~Attendees~~ SLW 9/6/14 Assignments:

Team 1: (Bob & Jeremiah) SWMU 62 Sandy Cove

Team 2: (Barb & Will) SWMU 62 Sandy Cove

Team 3: (John & Andy) Miscellaneous tasks

QC items discussed include the following.

- dry surface water location RLSW01 at SWMU 25 Roberts Landfill; Annette & Aaron to sign Sampling Deviation Form
- Some photos of surface water location do not include the location name written on a white board; Annette indicates that is fine (white board is preferable but not required)
- QC samples for today's activities
- document teams in logbook when we switch members
- turn in COC forms tonight

Barb gives H&S briefing.

1115 Call to reserve Gold Streak shipment Argus Hazco in Dallas/Fort Worth, 2 pcs AWB# 1272 1822

Shenni L Wilk 9/6/14

TO 05 ADAK LTM 2014 9/06/14

1120 Reserve Goldstreak to lab, 5pcs
AWB# 1272 1844

1200 Team #2 reports that SWMU 62
Sandy Cove well MW-107-1
has 0.04' product;
Generate Sampling Deviation Form.

1230 Review field forms & COC forms.

1830 ~~1830~~ End of day
SIW 9/6/14

Sherri Uwulla 9/06/14

TO 05 ADAK LTM 2014 9/~~08~~ 08/14
SIW 9/8/14

0730 Meeting at 111B. Attendees are
John, Barb, Sherri, Aaron, Steve Skeehan,
Will, Jeremiah, Bob, Annette
Assignments:
Team 1 SWMU 62 Eagle Bay wells
Team 2 SWMU 62 Sandy Cove wells
Team 3 miscellaneous / SWMU 62
Eagle Bay well inspections

QC items discussed include sample
shipment did not leave island
yesterday due to volcanic activity
on another Aleutian Island; two Roberts
Landfill surface water samples in
that shipment have a 7-day
holding time; two Sampling
Deviation Forms are ready for
Aaron's ~~review~~ review; no trip blanks
needed today.
SIW 9/08/14

0800 John reports that Alaska Airlines will
have a makeup flight today Teams
1 & 2 will sample one well each & prepare
coolers for shipment.

0815 Aaron signs Sampling Deviation Forms
for SWMU 25 Roberts Landfill RLSW01 &
SWMU 62 Sandy Cove well MW-107-1.

Sherri Uwulla 9/8/14

TO 05 ADAK LTM 2014 9/08/14

0900 Send Contractor Production QC Report #3 for w/e 9/06/14. Doesn't leave outbox.... keep trying.

1200 Teams are back to prepare coolers for shipment. All OK.

1400 Review field forms

1600 Today's flight is cancelled. John/Andy will retrieve coolers from Alaska Airlines. Next flight will be on Thursday, 9/11.

1700 Aaron stops by. I let him know I haven't been successful in being able to send him CPQCR #3. Will get it to him when we can, he has no significant concern & a hardcopy will be available at his request.

1715 CPQCR#3 finally goes through; Aaron acknowledges receipt.

1900 End of day

Sherri L Wilk 9/08/14

TO 05 ADAK LTM 2014 9/09/14

0700 Meeting at 111B. Attendees include Barb, Sherri, Aaron, Steve, Will, Jeremiah, Andy, Bob, Annette.

Assignments:

Team 1: SWMU 62 Eagle Bay + NL-08 Surface water discharge

Team 2: Former Power Plant

Team 3: SWMU 62 Eagle Bay

QC items discussed include the following. We retrieved coolers from Alaska Airlines due to cancelled flight. Error in GW SAP WS #19, holding time for PAHs (8270D SIM) for water samples is listed as 14 days but method indicates 7 days (-field copy of SAP has been red-lined). Analyses w/ 7-day holding time for this project include total dissolved solids, PAHs & TCLP VOCs for water samples. Teams should indicate field dups & MS/MSD on Water Sampling Logs & add "BTOC" on well inspection forms. Jeremiah performed an inventory of remaining bottles & coolers; all OK.

Sherri L Wilk 9/9/14

TO 05 ADAK LTM 2014 9/09/14

0700 Barb gives H&S briefing.
CONT Meeting concludes
0800 Prepare trip blanks.
0810 Check via email with Christine Rink (LDC POC), about 7-day holding times, whether LDC calculates based on time of collection or day.
0820 Christine Rink reply is that they consider the day, not the hour. Time zones are considered, as expected. Send email to Greg regarding holding times for next shipment. Alert him that TDS will need to be analyzed by 2200 on 9/12/14 for two samples (NL-12-2014 & NL-14-2014 from SWMU 25 Roberts Landfill).
1330 Observe Team #1 sample at SWMU 62 Eagle Bay sediment location NL-09. Observations are documented on a Surveillance Checklist.
1530 Lab provided notification that the 7-day holding time for total dissolved solids (TDS) was exceeded by one day for eight

Sherri Walsh 9/09/14

TO 05 ADAK LTM 2014 9/09/14

1530 samples collected on 9/1/14. These
CONT include ~~SWMU~~ SW 9/9/14 SWMU 13 Metals Landfill MW13-1, MW13-3, MW13-4, MW13-5, MW-603, MW-604, MW-605 (sample & field duplicate) locations.
2100 Review log-ins; email feedback & update requests to the lab
2330 End of day.

Sherri Walsh 9/09/14

TO 05 ADAK LTM 2014 9/10/14

0700 Meeting at 111B. Attendees include Aaron, Will, Jeremiah, Andy, Steve, Barb, Bob, Sherri, John, Annette

Assignments:

Team 1: surface water NL-8 & wells at Former Power Plant

Team 2: Former Power Plant wells

Team 3: Area 303 GCT well inspections

QC items discussed include the following. 1) Sampling Deviation Forms due to product ≥0.01' at SWMU 62 Eagle Bay RW-303-16 & Former Power Plant MW-1451-1 & MW-1451-7 have been prepared and are ready for review & signature. 2) Discussed kaleidescope used for Fe^{+2} test kit analyses (0-1 ppm range) 3) Reminder to check each others work when switching typical roles. 4) Discussed gameplan for meeting holding time for TDS for samples in upcoming shipment. We will send COC forms so lab can pre-log samples. 5) Discussed missed holding times for TDS for

Sherri Lutz 9/10/14

TO 05 ADAK LTM 2014 9/10/14

0700 CONT. metals Landfill MW13-1, MW13-3, MW13-4, MW13-5, MW-603, MW-604, MW-605 (sample & field duplicate). Aaron indicates we do not need to resample.

0745 Aaron signs Sampling Deviation Forms discussed at 0700 meeting.

0800 Review field forms & perform other office tasks

1900 Review COC forms for tomorrow's shipment of 14 coolers. Scan & email COC forms to lab so they can pre-log samples to aid in meeting holding times, particularly for NL-12-2014 & NL-14-2014 at Roberts Landfill, total dissolved solids.

off for day

Sherri Lutz 9/10/14

TO 05 ADAK LTM 2014 9/11/14

0700 Meeting at 111B. Attendees include Will, Jeremiah, Andy, Bob, Barb, Sherri, Aaron, John, Steve, Annette.

Assignments:

Teams 1-3: Area 303/GCI Compound

QC items discussed include the following.

- Team 2 reports that kleidoscope appears to read OK (well w/ ferrous iron at 3ppm exceeded 1 ppm reading in kleidoscope)
- For Area 303/GCI Compound, well details are in App E under SWMU 62 Eagle Bay or Sandy Cove or GCI or else well logs were handed out
- Tomorrows shipment will include samples collected through end of day 9/10/14 (not morning of 9/11/14)
- Scanned COC forms have been emailed to lab for pre-logging & to aid meeting holding times
- Sampling Deviation Form has been generated for Area 303/GCI Cmpd 04-202 (pt ≥0.02')

[signature] 9/11/14

TO 05 ADAK LTM 2014 9/11/14

0700 CONT - Field test kit duplicates were not performed at Former Power Plant Bldg T-1451 wells 01-118 and MW-1451-2. A Sampling Deviation Form will be generated to document switching field duplicates to two other locations.

0745 Annette & Aaron sign Sampling Deviation Form for Area 303/GCI Compound 04-202.

0800 Prepare trip blanks

0930~~0~~ SW 9/11/14 Call in GoldStreak reservation to increase qty of coolers for AWB 1272 1844. They can't since Adak had already accepted the coolers (but returned them). They state they are overbooked for today's flight. Called a second time to get another operator, who relays the same info.

0945 Communicate w/ Andy to relay the issue w/ shipping the coolers. Andy & John will pursue shipping

[signature] 9/11/14

SW 9/11/14

TO 05 ADAK LTM 2014 9/11/14

0945 CONT by coordinating through local Alaska Airlines. Andy reports back that there is room on today's flight if we use Gold Streak & book locally. We will arrive at Alaska Airlines at 1300 when doors open.

1100 Review field forms to check to see if any other field test kit field dups were missed. We did miss one at South of Runway well 102-232. Will add this to the Sampling Deviation Form & select another well.

1215 Observe teams packing coolers for shipment.

1300 Take coolers to Alaska Airlines; book shipment via Gold Streak.

1345 Submit Sampling Deviation Form to switch three field duplicates for test kits to three other locations. Aaron signs form.

1400 Send AWB# 7008 2773 to lab for shipment of 14 coolers.

Shenna Walsh 9/11/14

TO 05 ADAK LTM 2014 9/11/14

1430 Email today's signed Sampling Deviation Forms to Aaron & Steve

1600 Go to Adak terminal of Alaska Airlines. Prebook Gold Streak shipment of 8 coolers for Sunday, 9/14/14. AWB# 7008 2810.

1800 Annette, Aaron & Steve off island.

1900 Off for day.

Shenna Walsh 9/11/14

TO 05 ADAK LTM 2014 9/12/14

0700 Meeting at 111B Attendees include Barb, Sherri, Will, Jeremiah, John, Bob, Andy. Assignments:
Teams 1-3: Area 303/GC1 wells
QC items discussed include a reminder to turn in field roadmaps w/ field forms so they can be turned in to Annette at the end of field work & office tasks to be conducted. Barb gives HS briefing
Groundwater sampling/QC surveillance of Team 1 at Area 303/GC1 well MRP-MW3

1215 Team 3 indicates Area 303/GC1 well MW-303-41 went dry during purging. Will sample in 3 hours after recharging.

1500 Go to Area 303/GC1 well MW-303-41 with Team 3. Well recharged sufficiently in 3 hours (DTW = 21.39' btoc at 1115, DTW = 21.13' btoc at 1510). Instructed team to cut VOC

Brenna Walsh 9/12/14

TO 05 ADAK LTM 2014 9/12/14

1500 CONT vials to a quantity of 3 per analysis (BTEX, GRO, methane). Team 3 is able to collect sufficient quantity of containers for all tests.

1900 Off for day.

Brenna Walsh 9/12/14

TO 05 ADAK LTM 2014 9/13/14

1000 ~~07~~ Meeting at 111B Attendees include
SIW 9/13/14 Andy, Bob, Will, Jeremiah, John, Barb & Sherri. Everyone will stay indoors for office & miscellaneous tasks today. QC item discussed was that there was VOC vial breakage due to freezing ~~(and per~~ SIW 9/13/14 ; however, sufficient qty of unfrozen vials were OK to perform all required/requested analyses. Barb discusses health & safety.

1030 Bob works with Barb & Jeremiah to show them how to complete Sample Collection Information forms to facilitate NIRIS submittal. Sherri works with Will to do a global review of photos. Review COC forms.

1900 Off for day

Sherri Wall 9/13/14

TO 05 ADAK LTM 2014 9/14/14

0930 Generate CPQC Report. Revise Sampling Deviation Form for test kit duplicates to indicate we are switching two locations, rather than three. (Fernes Power Plant Bid T-1451 well 01-118 was not SIW 9/14/14 ~~&~~ scheduled for field duplicate Field test kits but the original Sampling Deviation Form indicated it was).

1315 Sent documents mentioned above to Aaron Vernik, Steve Sheehan & Annette & Andy.

1330 ~~Off for day.~~

Sherri Wall 9/14/14

TO 05 ADAK LTM 2014 9/15/14

0700 Meeting at 111 B. Attendees include John, Will, Jeremiah, Andy, Bob, Barb & Sherri. All teams will perform groundwater sampling at Area 303/GC1 Compound today. Discussed field QC samples and trip blanks. Discussed health & safety concerns.

0800 Prepared trip blanks for today's activities.

0930 Make Goldstreak reservation for Thursday 9/18/14 shipment to ALS Environmental. Estimate 12 coolers, 600 pounds. AWB # 1274 9030

1400 Received log-in materials for Friday 9/12/14 shipment. There were several broken VOC vials & several with air bubbles. All except one broken VOC vial was from group of samples in which flight was delayed. Lab indicates there are sufficient vials that are unbroken & free of air bubbles to perform requested analyses. For sample MW-187-1-2014, which

Sherri Lutz 9/15/14

TO 05 ADAK LTM 2014 9/15/14

1400 CONT. gets analyzed for methane, there is only one vial remaining for analysis (two broke & one has an air bubble).

1815 Request rush analysis for SWMU 62 Sandy Cove sample MW-187-1-2014.

1900 Initiate labels & 'sampling kit' for waste characterization samples.

2030 Off for day

Sherri Lutz 9/15/14

TO 05 ADAK LTM 2014 9/16/14

0700 Meeting at 111B. Attendees include Andy, Bob, Will, Jeremiah, John, Barb & Sherri. Teams will finish Area 303/GCI Compound well sampling. QC items discussed the following.

- need several site overview photos
- Team 3 trip blank for benzene can be changed to BTEX since they will be sampling for BTEX today
- summarized issues with shipments received at lab on Friday 9/12 and Monday 9/15 per emailed info from lab (frozen/broken bottles and air bubbles; rush methane analysis has been requested for Sample MW-187-1-2014; 4 AK101 vials inadvertently labeled as Sample MW-303-32-2014 instead of MW-303-33-2014. Barb discusses HS5, Waste Management.. several recommendation for improving the Waste Management Plan have been red-lined/commented in the

Sherri L Wilk 9/16/14

TO 05 ADAK LTM 2014 9/16/14

0700 Waste Management Plan field copy and will be taken back to the office for consideration in the next plan iteration.

0730 Checked Team 2 logbook & verified 0 bottles for GRO AK101 were collected for Sample MW-303-32-2014 and 12 bottles for GRO AK101 were collected for Sample MW-303-33-2014. Lab login materials indicate 4 were labeled MW-303-32-2014 and 8 were labeled MW-303-33-2014. COC form lists "0" for MW-303-32-2014 and "12" for MW-303-33-2014.

9:00 Emailed lab & asked them if time of collection for all 12 vials matches MW-303-33-2014. If any doubts, the lab has been instructed to not use the bottles labeled as MW-303-32-2014.

0930 Review field forms from 9/15/14. Per conversation with John Highstine, Team 3 documented "sheen <0.01'" when interface meter detected trace product <0.01' thick.

Sherri L Wilk 9/16/14

TO 05 ADAK LTM 2014 9/16/14

1030 Review laboratory log-in materials.

1400 Go to bunker to assist with collection of waste characterization sample IDW-CERCLA-2014. See Team 3 logbook for details.

1700 Review field forms from today.

1900 Off for day

Sherri L Whitt 9/16/14

TO 05 ADAK LTM 2014 9/17/14

0900 Meeting at 111B. Attendees include John, Will, Jeremiah, Andy, Barb, Bob, Sherri. QC items discussed include reminder to check logbooks before turning in (sign & date each page, include unit of measurement for daily calibrations, document instruments & equipment), need Team #3 coc form, sheen is visible & product thickness is measurable (will adjust field forms accordingly), request crew to provide any lessons learned. Barb gives H&S briefing.

1000 Discuss collection of petroleum purge water with John & Barb. The sample will be collected & then analyzed. Excess calibration/buffer solution & neutralized rinse water from preserved bottles will not be added to drums prior to sample collection.

1030 Make Goldstreak reservation for shipping 8 pcs of sampling equipment back to Argus Hazco tomorrow. AWB # 1275 8255.

Sherri L Whitt 9/17/14
slw 9/17/14

TO 05 ADAK LTM 2014 9/17/14

1100 Observe sampling of IDW-PETRO-2014 at bunker.

1430 Review field forms, with John Highstone. Adjust reported "sheen" to be "trace" on field forms when interface probe detected trace product ≤ 0.01'. John also adjusts Team 3 logbook.

1715 Break for dinner. Off for day.

Sherri Wells 9/17/14

TO 05 ADAK LTM 2014 9/18/14

1030 Reviewed field forms for completeness before packing up for shipment to Poulsbo office. It has been noticed that the Team 3 well inspection forms often indicate trace product thickness at <0.01' at a frequency that seems relatively high. Perhaps their meter probe is too sensitive or prone to false positives. On many occassions, it was observed that they thoroughly decontaminate their equipment between wells. At Metals Landfill MW13-2 & MW13-3 they recorded trace product thickness at ~~≤0~~ SIO 9/18/14 <0.01'; these locations would not be expected to have any product as its a CERCLA landfill site, not a petroleum site. All other wells at Metals Landfill were gauged by Teams 1 & 2 and no product was measured, as expected.

1115 Discussed issue noted above with Annette. The trace product measurements are not a concern for the project.

Sherri Wells 9/18/14

TO 05 ADAK LTM 2014 9/18/14

1115 CONT therefore no corrective action will be taken.

1130 At request by QCPM, all teams check their VOC vials and verified no air bubbles are present prior to shipping samples. Teams prepared coolers for shipping today.

1200 Verified all needed photos have been taken. Photo of NMCB well NMCB-08 is a little blurry but acceptable. Photo of SWMU 25 Roberts Landfill surface water location RLSW02 initially appears to not show water; however, it shows the water when zooming in on the photo.

1340 Notify lab via email that our last shipment of 6 coolers will leave Adak today.

1343 Received email from lab stating the methane analysis for Sample MW-187-1-2014 (K1409833-005) was good. Only 1 vial of 4 was acceptable for analysis (others were broken or had air bubbles).

Sherri Wick 9/18/14

TO 05 ADAK LTM 2014 9/18/14

1400 Transferred TO 05 Adak LTM videos from memory stick to computer hard drive (Sherri's computer).

1500 Office work.

1830 off for day

Sherri Wick 9/18/14

TO 05 ADAK LTM 2014 9/19/14

0800 Meeting at 111B. Attendees include Andy, John, Jeremiah, Barb, Sherri. Misc. tasks will be conducted at the units & bunkers today. No QC items discussed. Barb gives H&S briefing.

1330 Last shipment of samples to lab has been delayed (Anchorage to PDX flight). Waiting to hear about receipt conditions.

1410 Bottles arrived at lab; sample receipt conditions OK. One of four RSK 175 bottles for Sample 03-104 was received broken but sufficient vials are intact for requested analysis.

1500 Initiate CPQC Report #5.

1530 Call Alaska Airlines to arrange Goldstreak shipment of sampling equipment, 5 pieces, back to Argus Hazco. Will arrive 9/22 at 18:48. AWB# 12767204

2000 Off for day

Sherri L Walker 9/19/14

No Further Entries

Sherri L Walker 9/19/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: ARCTIC ACRES Well ID.: 03-416

Inspector(s): W Kaage B Schlieger Date/Time: 8-28-14 1420

Company: Sealaska Environmental Services, LLC

Weather/Temperature: 56 °F PARTLY SUNNY WINDS 14 MPH GUSTS SW

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" PVC SLIP CAP		
5. Specify size and number of bolts on flush-mount cap: 3 x 9/16" stripped bolts		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity: NA	☐	☒
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☐	☒
13. If so, product thickness (inches) NA.		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: N/A	☐	☒

16. Previous well depth (feet): 30.17 btoc (2013) Current well depth (feet): 30.06 btoc soft bottom

17. Depth to water (feet): 19.65 btoc Depth to Product (feet): NA

18. PID reading at wellhead (ppm) 0.8 Breathing Zone (ppm): 0.0

Additional notes:

JWJ 8/29/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: ARCTIC ACRES Well ID.: 03-420

Inspector(s): W. KAAGE B SCHLEGER Date/Time: 8-28-14 1610

Company: Sealaska Environmental Services, LLC

Weather/Temperature: 50°F OVERCAST WIND 14 MPH GUST SW

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" ~~PVC SLIP CAP~~ WK 8-28-14 BUTTERFLY		
5. Specify size and number of bolts on flush-mount cap: 3 9/16" STRIPPED BOLTS		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity: — NA	☐	☒
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☐	☒
13. If so, product thickness (inches) NA.		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: ~~Bra~~ NA	☐	☒

16. Previous well depth (feet): 28.35 (2013) Current well depth (feet): 28.35 BTOC

17. Depth to water (feet): 22.79 btoc Depth to Product (feet): NA

18. PID reading at wellhead (ppm): 4.0 Breathing Zone (ppm): 0.0

Additional notes:

SWJ 8/29/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: ARCTIC ACRES Well ID.: 03-421

Inspector(s): W. KAAGE B. SCHLEGER Date/Time: 8/28/14 1745

Company: Sealaska Environmental Services, LLC

Weather/Temperature: 56°F CLOUDY WINDSPEED 14MPH SW

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label. RELABELED	☐	☒
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" PVC SLIP CAP		
5. Specify size and number of bolts on flush-mount cap: NA		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity: PROBE SMELLED OF STRONG PETROLEUM WHEN TAKEN OUT ~~RJS 8/28/14~~	☒	☐
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☐	☒
13. If so, product thickness (inches) NA.		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: 3 BOLLARDS	☒	☐

16. Previous well depth (feet): 28.14 btoc Current well depth (feet): ~~28.18~~ WLC 8-28-14 28.19 btoc

17. Depth to water (feet): 22.71 btoc Depth to Product (feet): NA

18. PID reading at wellhead (ppm): 2.6 Breathing Zone (ppm): 0.0

Additional notes:

SWW 8/30/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: ARCTIC ACRES Well ID.: 03-890

Inspector(s): W KAAGE B. SCHLEIGER Date/Time: 08-28-14 1345

Company: Sealaska Environmental Services, LLC

Weather/Temperature: 56 °F CLOUDY WIND SW 8 MPH (SLW)

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label. (STILL RE-LABELED)	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" BUTTERFLY		
5. Specify size and number of bolts on flush-mount cap: NA		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity: MILD PETROLEUM	☒	☐
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness ~~(inches)~~ FEET 0.02 WL 8-28-14.		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: 3 BOLLARDS	☒	☐

16. Previous well depth (feet): ~~23.90~~ 31.69 ± BTOC WL 8-28-14 Current well depth (feet): 31.68 BTOC SOFT BOTTOM

17. Depth to water (feet): 23.63 BTOC Depth to Product (feet): 23.61 BTOC

18. PID reading at wellhead (ppm): 0.0 Breathing Zone (ppm): 0.0

Additional notes: See Sampling Deviation Form; sample not collected because product thickness is ≥ 0.02' (SLW)

SLW 8/29/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303 / GCI COMPOUND Well ID.: 03-107

Inspector(s): J. HIGHSTONE, J. SANTINI Date/Time: 9/10/14 1340

Company: Sealaska Environmental Services, LLC

Weather/Temperature: MOSTLY CLOUDY, 15 MPH WIND, 50°F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" PVC SLIP		
5. Specify size and number of bolts on flush-mount cap: N/A		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity: ~~MODE~~ JLG 9.10.14 HEAVY PETROLEUM	☒	☐
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness (~~inches~~) feet ~~SHEEN~~ TRACE <.01. SW 9/16/14 JLG 9.17.14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: N/A	☐	☒

16. Previous well depth (feet): 32.90 BTOC Current well depth (feet): 32.84 BTOC

17. Depth to water (feet): 27.12 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 597 Breathing Zone (ppm): 0.0

Additional notes: HARD BOTTOM
PHOTO COLLECTED (1345) FACING WEST

SW 9/16/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303 / GCI COMPOUND Well ID.: 03-012

Inspector(s): J. HIGHSTONE, J. SANTINI Date/Time: 9/10/14 / 1405

Company: Sealaska Environmental Services, LLC

Weather/Temperature: MOSTLY CLOUDY, 15 MPH WINDS, 50° F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" BUTTERFLY		
5. Specify size and number of bolts on flush-mount cap: N/A		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity: N/A	☐	☒
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness (~~inches~~ feet): ~~[illegible]~~ TRACE 1.01 SW 9/12/14 JH 9.17.14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: (3) BOLLARDS	☒	☐

16. Previous well depth (feet): 11.48 BTOC Current well depth (feet): 11.43 BTOC

17. Depth to water (feet): 7.43 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 0.0 Breathing Zone (ppm): 0.0

Additional notes: HARD BOTTOM
PHOTO COLLECTED (1414) FACING WEST

SWJ 9/12/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303 / GCI COMPOUND Well ID.: 04-211

Inspector(s): J. HIGHSTONE, J. SANTINI Date/Time: 9-10-14 / 0955

Company: Sealaska Environmental Services, LLC

Weather/Temperature: MOSTLY CLOUDY, 10 mph WIND, 45°F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" BUTTERFLY		
5. Specify size and number of bolts on flush-mount cap: (3) 5/16" BOLTS		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity:	☐	☒
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness (~~inches~~ feet) ~~SHEEN~~ TRACE <0.01. EB 9/16/14 SW 9.17.14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: (1) BOLLARD	☒	☐

16. Previous well depth (feet): 30.~~26~~ 15 BTOC SW 9/16/14 Current well depth (feet): 30.25 BTOC

17. Depth to water (feet): 23.48 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 0.0 Breathing Zone (ppm): 0.0

Additional notes: ~~SOFT~~ HARD BOTTOM SW 9.16.14

PHOTO COLLECTED (1004) FACING SOUTHEAST

9/16/14 - PID at wellhead: 160 ppm, breathing zone: 0.0 ppm.

SW 9/16/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303 / GCI COMPOUND Well ID.: 03-104

Inspector(s): J. NIGHSTINE, J. SANTOS Date/Time: 9-10-14 / 0911

Company: Sealaska Environmental Services, LLC

Weather/Temperature: PARTLY CLOUDY, 15 mph WINDS, 45° F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" BUTTERFLY		
5. Specify size and number of bolts on flush-mount cap: (3) 9/16" BOLTS		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity:	☐	☒
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness (~~inches~~ feet) ~~SHEEN~~ TRACE 2.01. RB 9/15/14 JL 9-17-14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: NA	☐	☒

16. Previous well depth (feet): 24.75 BTOC Current well depth (feet): 24.85 BTOC

17. Depth to water (feet): 9.26 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 0.0 Breathing Zone (ppm): 0.0

Additional notes: SOFT BOTTOM

PHOTO COLLECTED (0921) FACING NORTH

SIW 9/16/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303/ GGI COMPOUND Well ID.: 03-778

Inspector(s): J. HIGHSTONE, J. SANTINI Date/Time: 9-10-14/0315

Company: Sealaska Environmental Services, LLC

Weather/Temperature: PARTLY CLOUDY, WIND 15 mph, 45° F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" BUTTERFLY		
5. Specify size and number of bolts on flush-mount cap: N/A		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity:	☐	☒
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness (~~inches~~ feet) ~~SHEEN~~ TRACE <.01. 9/11/14 JK 9-17-14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: (3) BOLLARDS	☒	☐

16. Previous well depth (feet): 27.72 BTOC Current well depth (feet): 27.74 BTOC

17. Depth to water (feet): 19.33 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 0.0 Breathing Zone (ppm): 0.0

Additional notes: SOFT BOTTOM

PHOTO COLLECTED (0820) FACING EAST

No sheen observed during purging on 9/11/14 SW

SW 9/11/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303 / GCI COMPOUND Well ID.: 03-502

Inspector(s): J. HIGHSTONE, J. SANTINI Date/Time: 9-10-14/1504

Company: Sealaska Environmental Services, LLC

Weather/Temperature: MOSTLY CLOUDY, 15 MPH WIND, 50° F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 1/2" PVC SLIP		
5. Specify size and number of bolts on flush-mount cap: (3) 9/16" BOLTS		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity:	☐	☒
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☐	☒
13. If so, product thickness (inches) N/A.		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: N/A	☐	☒

16. Previous well depth (feet): 26.30 BTOC Current well depth (feet): 26.30 BTOC

17. Depth to water (feet): 24.14 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 167 Breathing Zone (ppm): 0.0

Additional notes: HARD BOTTOM

PHOTO COLLECTED (1512) FACING WEST

SLW 9/16/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303 / GCI COMPOUND Well ID.: MRP-MW2

Inspector(s): J. HIGHSTONE, J. SANTINI Date/Time: 9-10-14 / 0923

Company: Sealaska Environmental Services, LLC

Weather/Temperature: MOSTLY CLOUDY, 10 mph WIND, 45°F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" PVC SLIP		
5. Specify size and number of bolts on flush-mount cap: N/A		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity: HEAVY PETROLEUM	☒	☐
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well? sheen during purging on 9/12/14	☒	☒ SLW 9/13/14
13. If so, product thickness (~~inches~~ feet) ~~N/A~~ ~~<0.01' on 9/12/14~~ NA SLW 9/17/14 SLW 9/13/14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: (3) BOLLARDS	☒	☐

16. Previous well depth (feet): 28.02 BTOC Current well depth (feet): 28.02 BTOC

17. Depth to water (feet): 18.89 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 335.0 Breathing Zone (ppm): 0.0

Additional notes: HARD BOTTOM

PHOTO COLLECTED (0936) FACING SOUTHEAST

Dup on BTEX & Test Kits. MS/MSD on Total & Dissolved Lead.

09/12/14 - DTW = 21.17 ft btoc prior to purging for sampling. RB

SLW 9/13/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303 / GCI COMPOUND Well ID.: MRP. MW3

Inspector(s): J. HIGHSTONE, J. SANTINI Date/Time: 9-10-14 / 0929

Company: Sealaska Environmental Services, LLC

Weather/Temperature: MOSTLY CLOUDY, 15 MPH WIND, 45° F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" PVC SLIP		
5. Specify size and number of bolts on flush-mount cap: N/A		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity: HEAVY PETROLEUM	☒	☐
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness ~~(inches)~~ feet ~~SHEEN~~ TRACE, .01. RB 9/11/14 gh 9-17-14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: (3) BOLLARDS	☒	☐

16. Previous well depth (feet): 10.70 BTOC Current well depth (feet): 10.62 BTOC

17. Depth to water (feet): 7.31 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 571.00 SPIKE Breathing Zone (ppm): 0.0

Additional notes: NAPL BOTTOM

PHOTO COLLECTED (0936) FACING EAST

SLW 9/13/14
SLW 9/13/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303 / GCI COMPOUND Well ID.: RW-102-4

Inspector(s): J. HIGHSTONE / J. SANTIANI Date/Time: 9-10-14 / 0859

Company: Sealaska Environmental Services, LLC

Weather/Temperature: PARTLY CLOUDY, WIND 15 MPH, 45° F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 8" PVC SCIP		
5. Specify size and number of bolts on flush-mount cap: (3) 5/16" BOLTS		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity:	☐	☒
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness (~~inches~~ feet) ~~SHEEN~~ TRACE < .01 SLW 9/15/14 gg 9.17.14		
14. Is the well depth consistent with past depth measurements?	☐	☒
15. Are there well protections? Type: (3) BOLLARDS	☒	☐

16. Previous well depth (feet): 33.32 BTOC (2012) Current well depth (feet): 27.83* BTOC

17. Depth to water (feet): 18.95 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 0.0 Breathing Zone (ppm): 0.0

Additional notes: RECOVERY PUMP STILL IN WELL

PHOTO COLLECTED (0916) SOUTHWEST

~~Pump in well~~ SLW 9/15/14

SLW 9/15/14

* ~~may be~~ depth to pump rather than well depth

SLW 9/15/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303 / GCI COMPOUND Well ID.: MW-303-28

Inspector(s): J. HIGHSTONE, J. SANTINI Date/Time: 9/10/14 / 1420

Company: Sealaska Environmental Services, LLC

Weather/Temperature: MOSTLY CLOUDY, 15 mph WIND, 50° F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" BUTTERFLY		
5. Specify size and number of bolts on flush-mount cap: N/A		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity: HEAVY PETROLEUM	☒	☐
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness (~~inches~~ feet) ~~SHEEN~~ TRACE <.01. SW 9/16/14 JQ 9.17.14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: N/A	☐	☒

16. Previous well depth (feet): 33.93 BTOC Current well depth (feet): 33.89 BTOC

17. Depth to water (feet): 27.91 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 138.0 Breathing Zone (ppm): 0.0

Additional notes: HARD BOTTOM
PHOTO COLLECTED (1426) FACING SOUTH

SW 9/16/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303/ GCI Compound Well ID.: MW-303-30

Inspector(s): J. HIGHSTONE, J. SANTINI Date/Time: 9/10/14/1330

Company: Sealaska Environmental Services, LLC

Weather/Temperature: MOSTLY CLOUDY, 15MPH WIND, 50°

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" BUTTERFLY		
5. Specify size and number of bolts on flush-mount cap: N/A		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity: N/A	☐	☒
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness (~~inches~~ feet) ~~SHEEN~~ TRACE <.01. SLW 9/16/14 gd 9.17.14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: N/A	☐	☒

16. Previous well depth (feet): 34.97 BTOC Current well depth (feet): 34.91 BTOC

17. Depth to water (feet): 27.14 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 58.8 Breathing Zone (ppm): 0.0

Additional notes: SOFT BOTTOM

PHOTO COLLECTED (1338) FACING NORTHEAST

SWJ 9/16/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303 / GCL Compound Well ID.: MW-303-31

Inspector(s): J. HIGHSTONE, J. SANTIANI Date/Time: 9-10-14 / 1128

Company: Sealaska Environmental Services, LLC

Weather/Temperature: PARTLY SUNNY, 15 mph WIND, 48°F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" BUTTERFLY		
5. Specify size and number of bolts on flush-mount cap: N/A		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity:	☐	☒
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness (~~inches~~ feet) ~~SHEEN~~ TRACE 0.01. SLW 9/12/14 gg 9.17.14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: N/A	☐	☒

16. Previous well depth (feet): 34.10 BTOC Current well depth (feet): 34.05 BTOC

17. Depth to water (feet): 27.19 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 28.8 Breathing Zone (ppm): 0.0

Additional notes: SPONGY BOTTOM

PHOTO COLLECTED (1133) FACING WEST

SLW 9/12/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303 | GCI Compound Well ID.: MW-303-32

Inspector(s): J. HEIGHSTONE, J. SANTINI Date/Time: 9-10-14 / 09:35

Company: Sealaska Environmental Services, LLC

Weather/Temperature: MOSTLY CLOUDY, 15 mph WIND, 45° F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" BUTTON		
5. Specify size and number of bolts on flush-mount cap: N/A		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity: HEAVY PETROLEUM	☒	☐
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness (~~inches~~ feet) ~~SHEEN~~ TRACE <.01. SW 9/12/14 JA 9.17.14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: (4) BOLLARDS	☒	☐

16. Previous well depth (feet): 31.10 BTOC Current well depth (feet): 31.17 BTOC

17. Depth to water (feet): 23.89 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 152.0 Breathing Zone (ppm): 0.0

Additional notes: SOFT BOTTOM

PHOTO COLLECTED (0943) FACING WEST

SW 9/12/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303/ OCI Compound Well ID.: MW-303-33

Inspector(s): J. HIGLKSTONE, J. SANTINI Date/Time: 9-10-14/0944

Company: Sealaska Environmental Services, LLC

Weather/Temperature: Mostly cloudy, 15 mph wind, 45°F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" BUTTERFLY		
5. Specify size and number of bolts on flush-mount cap: N/A		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity: mild petroleum odor during purging	☒	☐
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness (~~inches~~ feet) ~~SHEEN~~ TRACE 1.01. SLW 9/12/14 9.17.14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: (4) BOLLARDS	☒	☐

SLW 9/12/14

16. Previous well depth (feet): 26.90 BTOC Current well depth (feet): 26.85 BTOC

17. Depth to water (feet): 21.85 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 2.2 Breathing Zone (ppm): 0.0

Additional notes: HARD BOTTOM

PHOTO COLLECTED (0949) NORTH EAST

SLW 9/12/14

Monitoring Well (Groundwater) Gauging
Visual Inspection Checklist

Project Name: Adak LTM 2014 Project No.: TO 05

Site Name: AREA 303 / GCI COMPOUND Well ID.: MW-303-37

Inspector(s): J. HIGHSTONE, J. SANTINI Date/Time: 9/10/14 / 1400

Company: Sealaska Environmental Services, LLC

Weather/Temperature: MOSTLY CLOUDY, 15 MPH WIND, 50° F

	Yes	No
1. Was the monitoring well located?	☒	☐
2. Is the well clearly labeled? If not, please re-label.	☒	☐
3. Is there a cap on the monitoring well?	☒	☐
4. Specify type of cap: 2" BUTTERFLY		
5. Specify size and number of bolts on flush-mount cap: N/A		
6. Is there any evidence of tampering with the cap or well casing?	☐	☒
7. Is the monument in good condition?	☒	☐
8. Is the casing in good condition?	☒	☐
9. Are there any odors (e.g., petroleum or sulfide/rotten egg)? If yes, describe the odor and Intensity:	☐	☒
11. Is the well dry?	☐	☒
12. Is there product or sheen in the well?	☒	☐
13. If so, product thickness (~~inches~~ Feet) ~~SHEEN~~ TRACE <.01. SLW 9/12/14 9/17/14		
14. Is the well depth consistent with past depth measurements?	☒	☐
15. Are there well protections? Type: N/A	☐	☒

16. Previous well depth (feet): 18.52 BTOC Current well depth (feet): 18.42 BTOC

17. Depth to water (feet): 12.70 BTOC Depth to Product (feet): N/A

18. PID reading at wellhead (ppm): 0.0 Breathing Zone (ppm): 0.0

Additional notes: HARD BOTTOM
PHOTO COLLECTED (1405) FACING NORTH

SLW 9/12/14