

Tank Battery Closure Checklist 2

Project	Occidental Petroleum
ID	320288
Survey Date	03/07/2023
User	Chris Bodie
Additional Attachments (Optional)	
Site Name & COGCC Facility Number	SBJ 22-13 HZ O SA
Remediation Project #	
Date	03/02/2023

Site Information

Associated Wells	
Location	
Latitude	
Longitude	
General Condition of Site	Good
USCS Soil Type	Sandy Clay / Sandy Clay
Estimated Depth to Groundwater	<20'
Hydrocarbon Impacted Soils / Spills	Active release
Salt Crusted Soils or Impacted Vegetation	Yes - impacted vegetation

Soil Samples

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Equipment Type	Other Equipment Type
R1	03/02/2023	11:06 AM	SS-118@3"	1.1	N.S		N.O		Other	
R2	03/02/2023	11:07 AM	SS-119@3"	0.9	N.S		N.O		Other	
R3	03/02/2023	11:08 AM	SS-120@3"	0.7	N.S		N.O		Other	
R4	03/02/2023	11:09 AM	SS-121@3"	0.9	N.S		N.O		Other	
R5	03/02/2023	11:10 AM	SS-122@3"	0.6	N.S		N.O		Other	
R6	03/02/2023	11:11 AM	SS-123@3"	0.5	N.S		N.O		Other	
R7	03/02/2023	11:12 AM	SS-124@3"	0.7	N.S		N.O		Other	
R8	03/02/2023	11:13 AM	SS-125@3"	1.0	N.S		N.O		Other	
R9	03/02/2023	11:14	SS-126@3"	1.1	N.S		N.O		Other	

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Equipment Type	Other Equipment Type
	2023	AM								
R10	03/02/2023	11:15 AM	SS-127@3"	0.7	N.S		N.O		Other	
R11	03/02/2023	11:16 AM	SS-128@3"	0.8	N.S		N.O		Other	
R12	03/02/2023	11:17 AM	SS-129@3"		N.S		N.O		Other	
R13	03/02/2023	11:18 AM	SS-130@3"	0.6	N.S		N.O		Other	
R14	03/02/2023	11:19 AM	SS-131@3"	1.2	N.S		N.O		Other	
R15	03/02/2023	11:20 AM	SS-132@3"	1.0	N.S		N.O		Other	
R16	03/02/2023	11:21 AM	SS-133@3"	0.9	N.S		N.O		Other	
R17	03/02/2023	11:22 AM	SS-134@3"	0.8	N.S		N.O		Other	
R18	03/02/2023	11:23 AM	SS-135@3"	1.1	N.S		N.O		Other	
R19	03/02/2023	11:24 AM	SS-136@3"	0.9	N.S		N.O		Other	
R20	03/02/2023	11:25 AM	SS-137@3"	0.7	N.S		N.O		Other	
R21	03/02/2023	11:26 AM	SS-138@3"	1.3	N.S		N.O		Other	
R22	03/02/2023	11:27 AM	SS-139@3"	1.1	N.S		N.O		Other	
R23	03/02/2023	11:28 AM	SS-140@3"	1.2	N.S		N.O		Other	
R24	03/02/2023	11:29 AM	SS-141@3"	1.5	N.S		N.O		Other	
R25	03/02/2023	11:30 AM	SS-142@3"	1.2	N.S		N.O		Other	
R26	03/02/2023	11:31 AM	SS-143@3"	0.8	N.S		N.O		Other	
R27	03/02/2023	11:32 AM	SS-144@3"	1.0	N.S		N.O		Other	
R28	03/02/2023	11:33 AM	SS-145@3"	1.0	N.S		N.O		Other	
R29	03/02/2023	11:34 AM	SS-146@3"	1.1	N.S		N.O		Other	
R30	03/02/2023	11:35 AM	SS-147@3"	0.9	N.S		N.O		Other	
R31	03/02/2023	11:36 AM	SS-148@3"	1.2	N.S		N.O		Other	
R32	03/02/2023	11:37 AM	SS-149@3"	1.3	N.S		N.O		Other	

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Equipment Type	Other Equipment Type
R33	03/02/2023	11:38 AM	SS-150@3"	1.0	N.S		N.O		Other	
R34	03/02/2023	11:39 AM	SS-151@3"	0.7	N.S		N.O		Other	
R35	03/02/2023	01:32 PM	SS-152@3"	1.0	N.S		N.O		Other	
R36	03/02/2023	01:33 PM	SS-153@3"	1.4	N.S		N.O		Other	
R37	03/02/2023	01:34 PM	SS-154@3"	1.6	N.S		N.O		Other	
R38	03/02/2023	01:35 PM	SS-155@3"	1.3	N.S		N.O		Other	
R39	03/02/2023	01:36 PM	SS-156@3"	0.9	N.S		N.O		Other	
R40	03/02/2023	01:37 PM	SS-157@3"	1.3	N.S		N.O		Other	
R41	03/02/2023	01:38 PM	SS-158@3"	1.4	N.S		N.O		Other	
R42	03/02/2023	01:39 PM	SS-159@3"	1.5	N.S		N.O		Other	
R43	03/02/2023	01:40 PM	SS-160@3"		N.S		N.O		Other	
R44	03/02/2023	01:41 PM	SS-161@3"	1.8	N.S		N.O		Other	
R45	03/02/2023	03:10 PM	SS-162@3"	1.0	N.S		N.O		Other	
R46	03/02/2023	03:11 PM	SS-163@3"	0.9	N.S		N.O		Other	
R47	03/02/2023	03:12 PM	SS-164@3"	0.7	N.S		N.O		Other	
R48	03/02/2023	03:13 PM	SS-165@3"	0.8	N.S		N.O		Other	
R49	03/02/2023	03:14 PM	SS-166@3"	1.1	N.S		N.O		Other	
R50	03/02/2023	03:15 PM	SS-167@3"	1.4	N.S		N.O		Other	
R51	03/02/2023	03:16 PM	SS-168@3"	1.1	N.S		N.O		Other	
R52	03/02/2023	03:17 PM	SS-169@3"	0.9	N.S		N.O		Other	
R53	03/02/2023	03:18 PM	SS-170@3"	80.1	N.S		N.O		Other	
R54	03/02/2023	03:19 PM	SS-171@3"	6.6	N.S		N.O		Other	
R55	03/02/2023	03:20 PM	SS-172@3"	4.7	N.S		N.O		Other	
R56	03/02/	03:21	SS-173@3"	4.6	N.S		N.O		Other	

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Equipment Type	Other Equipment Type
	2023	PM								
R57	03/02/2023	03:22 PM	SS-174@3"	6.1	N.S		N.O		Other	
R58	03/02/2023	03:23 PM	SS-175@3"	3.6	N.S		N.O		Other	
R59	03/09/2023	09:30 AM	SEP-B01@2'	0.8	N.S		N.O		Separator	
R60	03/09/2023	09:35 AM	SEP-B02@2'	0.6	N.S		N.O		Separator	
R61	03/09/2023	09:40 AM	SEP-B03@2'	0.5	N.S		N.O		Separator	
R62	03/09/2023	09:45 AM	SEP-B04@2'	1.0	N.S		N.O		Separator	
R63	03/09/2023	09:50 AM	SEP-B05@2'	0.9	N.S		N.O		Separator	
R64	03/09/2023	10:00 AM	SS-176@9"	1.1	N.S		N.O		Other	
R65	03/09/2023	10:02 AM	SS-177@9"	1.4	N.S		N.O		Other	
R66	03/09/2023	10:04 AM	SS-178@1'	0.9	N.S		N.O		Other	
R67	03/09/2023	10:06 AM	SS-179@9"	1.2	N.S		N.O		Other	
R68	03/09/2023	10:08 AM	SS-180@9"	0.7	N.S		N.O		Other	
R69	03/09/2023	10:10 AM	SS-181@2'	1.5	N.S		N.O		Other	
R70	03/09/2023	10:12 AM	SS-182@2'	2.0	N.S		N.O		Other	
R71	03/09/2023	10:14 AM	SS-183@2'	1.8	N.S		N.O		Other	
R72	03/09/2023	10:16 AM	SS-184@2'	2.1	N.S		N.O		Other	
R73	03/09/2023	01:50 PM	SS-185@9"	1.0	N.S		N.O		Other	
R74	03/09/2023	01:52 PM	SS-186@9"	1.5	N.S		N.O		Other	
R75	03/09/2023	01:54 PM	SS-187@9"	1.2	N.S		N.O		Other	
R76	03/16/2023	01:20 PM	SS-BG01@3"	0.6	N.S		N.O		Background	
R77	03/16/2023	01:22 PM	SS-BG02@3"	0.5	N.S		N.O		Background	
R78	03/16/2023	01:24 PM	SS-BG03@3"	0.3	N.S		N.O		Background	
R79	03/16/2023	01:26 PM	SS-BG04@3"	0.4	N.S		N.O		Background	

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Equipment Type	Other Equipment Type
R80	03/23/2023	10:50 AM	SS-122-B01@9"	0.2	N.S		N.O		Other	
R81	03/23/2023	10:40 AM	SS-144-B01@9"	0.4	N.S		N.O		Other	
R82	03/23/2023	12:10 PM	SS-152-B01@9"	0.3	N.S		N.O		Other	
R83	03/23/2023	01:50 PM	SS-153-B01@9"	0.4	N.S		N.O		Other	
R84	03/23/2023	02:10 PM	SS-154-B01@9"	1.1	N.S		N.O		Other	
R85	03/23/2023	02:50 PM	SS-158-B01@9"	0.7	N.S		N.O		Other	
R86	03/23/2023	02:52 PM	SS-159-B01@9"	0.6	N.S		N.O		Other	
R87	03/23/2023	10:32 AM	SS-162-B01@9"	0.3	N.S		N.O		Other	
R88	03/23/2023	10:20 AM	SS-163-B01@9"	0.4	N.S		N.O		Other	
R89	03/23/2023	10:22 AM	SS-165-B01@9"	0.5	N.S		N.O		Other	
R90	03/23/2023	10:24 AM	SS-167-B01@9"	0.3	N.S		N.O		Other	
R91	03/23/2023	10:26 AM	SS-168-B01@9"	0.5	N.S		N.O		Other	
R92	03/23/2023	10:28 AM	SS-169-B01@9"	0.6	N.S		N.O		Other	
R93	03/23/2023	10:30 AM	SS-170-B01@9"	0.8	N.S		N.O		Other	
R94	03/23/2023	01:45 AM	SS-171-B01@9"	0.6	N.S		N.O		Other	
R95	03/24/2023	11:56 AM	SS-172-B01@9"	1.0	N.S		N.O		Other	
R96	03/24/2023	11:58 AM	SS-173-B01@9"	9.3	N.S		N.O		Other	
R97	03/24/2023	12:00 PM	SS-174-B01@9"	1.8	N.S		N.O		Other	
R98	03/24/2023	12:02 PM	SS-175-B01@9"	1.1	N.S		N.O		Other	
R99	03/24/2023	10:40 AM	SS-188-B01@5'	17.7	N.S		Slight HC Odor		Other	
R100	03/24/2023	10:42 AM	SS-188-N01@3'	550.1	Slight HC Staining		HC Odor		Other	
R101	03/24/2023	10:44 AM	SS-188-S01@3'	250.5	N.S		HC Odor		Other	
R102	03/24/2023	10:46 AM	SS-188-E01@3'	26.4	N.S		Slight HC		Other	

#	Sample Date	Sample Time	Soil Sample ID	PID Readings	Visual	Other Visual	Olfactory	Other Olfactory	Equipment Type	Other Equipment Type
							Odor			
R103	03/24/2023	10:48 AM	SS-188-W01@3'	10.9	N.S		Slight HC Odor		Other	
R104	04/11/2023	09:35 AM	SS-BG05@9"	4.3	N.S		N.O		Background	
R105	04/11/2023	09:37 AM	SS-BG06@9"	3.0	N.S		N.O		Background	
R106	04/11/2023	09:39 AM	SS-BG07@5.5'	2.5	N.S		N.O		Background	
R107	04/20/2023	09:45 AM	SS-BG08@3"	1.7	N.S		N.O		Background	
R108	04/20/2023	09:50 AM	SS-BG08@6"	1.9	N.S		N.O		Background	
R109	04/20/2023	09:55 AM	SS-BG09@3"	1.8	N.S		N.O		Background	
R110	04/20/2023	10:00 AM	SS-BG09@6"	1.2	N.S		N.O		Background	
R111	04/20/2023	10:05 AM	SS-BG10@3"	1.3	N.S		N.O		Background	
R112	04/20/2023	10:10 AM	SS-BG10@6"	2.4	N.S		N.O		Background	
R113	04/20/2023	10:15 AM	SS-BG11@3"	2.1	N.S		N.O		Background	
R114	04/20/2023	10:20 AM	SS-BG11@6"	2.3	N.S		N.O		Background	
R115	04/20/2023	10:25 AM	SS-BG12@3"	1.6	N.S		N.O		Background	
R116	04/20/2023	10:30 AM	SS-BG12@6"	3.0	N.S		N.O		Background	
R117	04/20/2023	10:35 AM	SS-BG13@3"	2.9	N.S		N.O		Background	
R118	04/20/2023	10:40 AM	SS-BG13@6"	3.1	N.S		N.O		Background	
R119	04/20/2023	10:45 AM	SS-BG14@3"	3.2	N.S		N.O		Background	
R120	04/20/2023	10:50 AM	SS-BG14@6"	3.4	N.S		N.O		Background	
R121	04/20/2023	10:55 AM	SS-BG15@3"	3.0	N.S		N.O		Background	
R122	04/20/2023	11:00 AM	SS-BG15@6"	2.8	N.S		N.O		Background	
R123	04/20/2023	11:05 AM	SS-BG16@3"	2.4	N.S		N.O		Background	
R124	04/20/2023	11:10 AM	SS-BG16@6"	2.9	N.S		N.O		Background	

R1 - P1



R2 - P1



R3 - P1



R4 - P1



R5 - P1



R6 - P1



R7 - P1



R8 - P1



R9 - P1



R10 - P1



R11 - P1



R12 - P1



R13 - P1



R14 - P1



R15 - P1



R16 - P1



R17 - P1



R18 - P1



R19 - P1



R20 - P1



R21 - P1



R22 - P1



R23 - P1



R24 - P1



R25 - P1



R26 - P1



R27 - P1



R28 - P1



R29 - P1



R30 - P1



R31 - P1



R32 - P1



R33 - P1



R34 - P1



R35 - P1



R36 - P1



R37 - P1



R38 - P1



R39 - P1



R40 - P1



R41 - P1



R42 - P1



R43 - P1



R44 - P1



R45 - P1



R46 - P1



R47 - P1



R48 - P1



R49 - P1



R50 - P1



R51 - P1



R52 - P1



R53 - P1



R54 - P1



R55 - P1



R56 - P1



R57 - P1



R58 - P1



R59 - P1



Looking northwest

R60 - P1



Looking northwest

R61 - P1



Looking northwest

R62 - P1



Looking northwest

R63 - P1



Looking northwest

R64 - P1



Looking southwest

R65 - P1



Looking southwest

R66 - P1



Looking northeast

R67 - P1



Looking northeast

R68 - P1



Looking northeast

R69 - P1



Looking southwest

R70 - P1



Looking southwest

R71 - P1



Looking southwest

R72 - P1



Looking southwest

R73 - P1



Looking southwest

R74 - P1



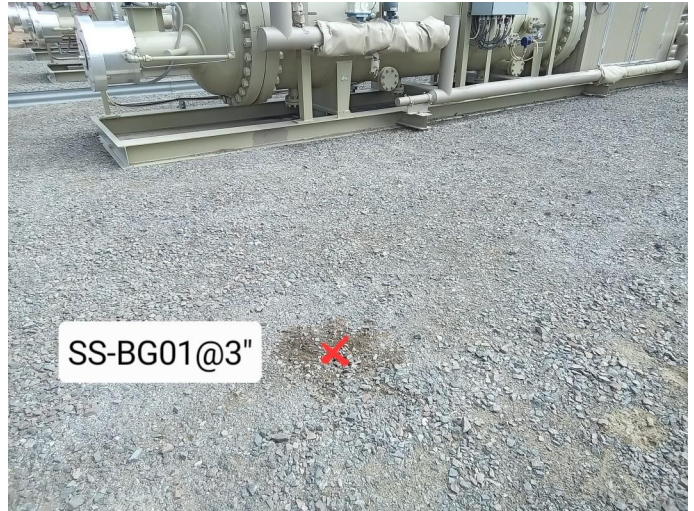
Looking northeast

R75 - P1



Looking northeast

R76 - P1



Looking east

R77 - P1



Looking south

R78 - P1



Looking west

R79 - P1



Looking east

R80 - P1



Looking west

R81 - P1



Looking west

R82 - P1



Looking southwest

R83 - P1



Looking southwest

R84 - P1



Looking west

R85 - P1



Looking south

R86 - P1



Looking south

R87 - P1



Looking northeast

R88 - P1



Looking north

R89 - P1



Looking north

R90 - P1



Looking north

R91 - P1



Looking northeast

R92 - P1



Looking north

R93 - P1



Looking north

R94 - P1



Looking north

R95 - P1



Looking southwest

R96 - P1



Looking northwest

R97 - P1



Looking northwest

R98 - P1



Looking north

R99 - P1



Looking north

R101 - P1



Looking east

R104 - P1



Looking west

R105 - P1



Looking south

R106 - P1



Looking northeast

R107 - P1



R109 - P1



R111 - P1



R113 - P1



R115 - P1



R117 - P1



R119 - P1



R121 - P1



R123 - P1



Other observations regarding tanks

Summary

Was impacted soil identified?

Total number of soil samples field screened 124

Total number of soil samples collected 124

Highest PID Reading 80.1

Total number of soil samples submitted to lab for analysis 124

Was groundwater encountered during the investigation? No

Measured depth to groundwater

Was remedial groundwater removal conducted?

Date Groundwater was encountered

Commencement date of removal

Sheen on groundwater?

Free product observed?

Volume of groundwater removed prior to sampling

Volume of groundwater removed post sampling

Total volume of groundwater removed

Total number of groundwater samples collected

Total number of groundwater samples submitted to lab for analysis