BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 19 + 35, 27' LT (Vicinity of Dock Haul Road)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<166	2/7/2007	38.7054	-91.7406	1857119.57	1046600.61
5-10'	<166	2/7/2007				
10-15'	<166	2/7/2007				
15-20'	<166	2/7/2007				
20-25'	<166	2/7/2007				
25-30'	**657 ± 113**	2/7/2007				
Tritium in Water	<145	2/9/2007				

Boring: CA-SOL-Sta. 20 + 62, 60' LT (a.k.a. MW-016)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<145	10/3/2007	38.7093	-91.7577	1852231.94	1047973.94
8-10'	<145	10/3/2007				
13-15'	<145	10/3/2007				
18-20'	<145	10/3/2007				
23-25'	<145	10/3/2007				
28-30'	<145	10/3/2007				
33-35'	<145	10/3/2007				
38-40'	<145	10/3/2007				

Boring: CA-SOL-Sta. 24 + 82, 64' LT (West of Dock Haul Road)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<147	9/28/2007	38.7058	-91.74222	1856668.3	1046737.59
8-10'	<147	9/28/2007				
13-15'	<147	9/28/2007				
18-20'	<147	9/28/2007				
23-25'	<147	9/28/2007				
28-30'	<147	9/28/2007				
33-35'	<147	9/28/2007				
Tritium in Water	<156	10/3/2007				

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6-3

BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 69 + 45, 45' RT (Vicinity of MH-2)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<171	12/28/2006	38.7078	-91.7579	1852187.95	1047414.42
9-11'	<171	12/28/2006				
14-16'	<171	12/28/2006				
19-21'	<171	12/28/2006				
24-26'	<171	12/28/2006				
Tritium in Water	<143	12/28/2006				

Boring: CA-SOL-Sta. 72 + 05, 40' LT (Vicinity of MH-2)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<147	10/1/2007	38.70773	-91.75868	1851956.06	1047399.9
8-10'	<147	10/1/2007				
13-15'	<147	10/1/2007				
18-20'	<147	10/1/2007				
23-25'	<147	10/1/2007				
28-30'	<147	10/1/2007				
33-35'	<147	10/1/2007				
38-40'	<147	10/1/2007				
Tritium in Water	<156	10/3/2007				

Boring: CA-SOL-Sta. 72 + 61, 34' LT (Vicinity of MH-2)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<167	12/15/2006	38.7078	-91.7589	1851897.3	1047410.67
9-11'	<167	12/15/2006				
14-16'	<167	12/15/2006				
19-21'	**429 ± 105**	12/15/2006				
24-26'	**451 ± 106**	12/15/2006				
29-31'	**431 ± 105**	12/15/2006				
34-36'	**274 ± 99**	12/15/2006				
Tritium in Water	**583 ± 105**	12/18/2006				

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CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta 72 + 80, 25' LT (Vicinity of MH-2)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<181	2/7/2007	38.7078	-91.7589	1851879.77	1047422.4

Boring: CA-SOL-Sta 72 + 80, 30' LT (Vicinity of MH-2)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<162	2/7/2007	38.7078	-91.7589	1851879.10	1047417.66
5-10'	<165	2/7/2007				
10-15'	<165	2/7/2007				
15-20'	<162	2/7/2007				
20-25'	<181	2/7/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta 72 + 80, 105' RT (Vicinity of MH-2)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<147	9/28/2007	38.7081	-91.7592	1851806.59	1047533.45
8-10'	<147	9/28/2007				
13-15'	<147	9/28/2007				
18-20'	<147	9/28/2007				
23-25'	<147	9/28/2007				
28-30'	<147	9/28/2007				
Tritium in Water	<156	10/9/2007				

Boring: CA-SOL-Sta 72 + 82, 70' LT (Vicinity of MH-2)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<162	2/7/2007	38.7077	-91.7590	1851871.69	1047378.14
5-10'	<181	2/7/2007				
10-15'	<162	2/7/2007				
10-15'	<162	2/7/2007				
15-20'	<162	2/7/2007				
20-25'	**238 ± 91**	2/7/2007				
Tritium in Water	**313 ± 87**	2/9/2007				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 73 + 47, 69' LT (Vicinity of MH-2)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<167	2/7/2007	38.7077	-91.7592	1851808.32	1047387.84
5-10'	<167	2/7/2007				
10-15'	<167	2/7/2007				
15-20'	<167	2/7/2007				
20-25'	<167	2/7/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 73 + 57, 57' RT (Vicinity of MH-2)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	**497 ± 108**	2/7/2007	38.7080	-91.7592	1851815.54	1047514.2
5-10'	<167	2/7/2007				
10-15'	<167	2/7/2007				
15-20'	<168	2/7/2007				
20-25'	**229 ± 97**	2/7/2007				
Tritium in Water	**162 ± 80**	2/9/2007				

Boring: CA-SOL-Sta. 73 + 70, 75' LT (Vicinity of MH-2)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<167	2/7/2007	38.7077	-91.7593	1851782.9	1047385.41
5-10'	<167	2/7/2007				
10-15'	<167	2/7/2007				
15-20'	<167	2/7/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 73 + 94, 100' RT (Vicinity of MH-2)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<171	12/28/2006	38.7082	-91.7592	1851800.63	1047559.44
8-10'	<171	12/28/2006				
13-15'	<171	12/28/2006				
19-20'	<171	12/28/2006				
23-25'	<171	12/28/2006				
Tritium in Water	<143	1/3/2007				

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CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 74 + 03, 117' LT (Vicinity of MH-3)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<167	12/27/2006	38.7076	-91.7594	1851748.79	1047346.51
9-11'	<165	12/27/2006				
14-16'	<165	12/27/2006				
19-21'	<171	12/27/2006				
24-26'	<171	12/27/2006				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 75 + 82, 26' RT (Vicinity of MH-3A)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<181	2/8/2007	38.7081	-91.7600	1851591.17	1047513.61
5-10'	<167	2/8/2007				
10-15'	<181	2/8/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 75 + 93, 37' LT (Vicinity of MH-3A)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<167	2/8/2007	38.7079	-91.7600	1851571.86	1047452.55
5-10'	<181	2/8/2007				
10-15'	<168	2/8/2007				
15-20'	<169	2/8/2007				
20-25	<181	2/8/2007				
Tritium in Water	<145	2/9/2007				

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CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 83 + 37, 52' RT (Vicinity of MH-3B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<167	2/8/2007	38.7084	-91.7626	1850844.05	1047642.02
5-10'	<167	2/8/2007				
10-15'	<167	2/8/2007				
15-20'	<167	2/8/2007				
20-25'	<167	2/8/2007				
Tritium in Water	<145	2/9/2007				

Boring: CA-SOL-Sta. 95 + 09, 63' RT (Vicinity of MH-3B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<167	2/8/2007	38.7089	-91.7666	1849684.02	1047811.28
5-10'	<167	2/8/2007				
10-15'	<167	2/8/2007				
15-20'	<167	2/8/2007				
20-25'	<169	2/8/2007				
Tritium in Water	<145	2/9/2007				

Boring: CA-SOL-Sta. 104 + 30, 100' LT (Vicinity of MH-5)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<169	2/8/2007	38.7088	-91.7699	1848744.63	1047774.37
5-10'	<169	2/8/2007				
10-15'	<169	2/8/2007				
15-20'	<169	2/8/2007				
Tritum in Water	<145	2/9/2007				

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CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 104 + 64, 60' LT (Vicinity of MH-5)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3.2-5.2'	<193	6/21/2007	38.7089	-91.7699	1849610.71	1047809.22
8-10'	<190	6/21/2007				
13-15'	<192	6/21/2007				
18-20'	<192	6/21/2007				
23-25'	<192	6/21/2007				
28-30'	<190	6/21/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 104 + 94, 60' LT (Vicinity of MH-5)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<167	12/4/2006	38.7093	-91.7701	1848703.25	1047949.56
9-11'	<167	12/4/2006				
14-16'	**556 ± 110**	12/4/2006				
Tritium in Water	**468 ± 104**	12/5/2006				

Boring: CA-SOL-Sta. 104 + 96, 71' RT (Vicinity of MH-4)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<167	12/4/2006	38.7093	-91.7701	1848703.25	1047949.56
9-11'	<167	12/4/2006				
14-16'	<167	12/4/2006				
Tritium in Water	<177	12/5/2006				

Boring: CA-SOL-Sta. 105 + 00, 400' LT (Vicinity of MH-5)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<144	12/4/2007	38.7082	-91.7705	1848582.70	1047535.14
5-10'	<144	12/4/2007				
10-15'	<144	12/4/2007				
15-20'	<144	12/4/2007				
20-25'	<144	12/4/2007				
25-28'	<144	12/4/2007				
Tritium in Water	<188	12/4/2007				

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CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 105 + 24, 200' LT (Vicinity of MH-5)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<147	10/1/2007	38.7087	-91.7709	1848481.40	1047712.80
8-10'	<147	10/1/2007				
13-15'	**1046 ± 117 ; 975 ± 117**	10/1/2007				
18-20'	**616 ± 103 ; 525 ± 101**	10/1/2007				
23-25'	<147	10/1/2007				
Tritium in Water	**473 ± 101**	10/9/2007				

Boring: CA-SOL-Sta. 105 + 24, 300' LT (Vicinity of MH-5)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<144	11/9/2007	38.7085	-91.7706	1848570.27	1047662.52
8-10'	<144	11/9/2007				
13-15'	<144	11/9/2007				
18-20'	**644 ± 103 ; 535 ± 99**	11/9/2007				
23-25'	**215 ± 87**	11/9/2007				
Tritium in Water	<160	11/9/2007				

Boring: CA-SOL-Sta. 105 + 39, 100' LT (Vicinity of MH-5)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<169	2/8/2007	38.7089	-91.7703	1848640.48	1047788.49
5-10'	**402 ± 100**	2/8/2007				
10-15'[1]	**2956 ± 175 ; 2890 ± 171**	2/8/2007				
15-20'[1]	**1305 ± 141 ; 1706 ± 142**	2/8/2007				
Tritum in Water[1]	**2700**	2/9/2007				
Tritum in Water	**2707**	2/9/2007				

Boring: CA-SOL-Sta. 106 + 50, 200' LT (Vicinity of MH-5)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<156	10/12/2007	38.7087	-91.7709	1848477.70	1047710.71
8-10'	<156	10/12/2007				
13-15'	<156	10/12/2007				
18-20'	<156	10/12/2007				
23-25'	**339 ± 96**	10/12/2007				
28-30'	<156	10/12/2007				
Tritium in Water	<156	10/12/2007				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 107 + 00, 90' LT (Vicinity of MH-6)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<167	12/13/2006	38.7090	-91.7709	1848476.99	1047820.82
9-11'	**171 ± 95**	12/13/2006				
14-16'	<167	12/13/2006				
Tritium in Water	<184	12/13/2006				

Boring: CA-SOL-Sta. 107 + 00, 90' LT (Vicinity of MH-6)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<193	6/21/2007	38.7090	-91.7709	1848469.00	1047836.53
8-10'	<190	6/21/2007				
13-15'	**967 ± 136**	6/21/2007				
18-20'	**691 ± 126**	6/21/2007				
23-25'	<191	6/21/2007				
28-30'	<191	6/21/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 107 + 13, 21' LT (Vicinity of MH-6)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<169	2/8/2007	38.7092	-91.7709	1848473.49	1047891.03
5-10'	<169	2/8/2007				
10-15'	<169	2/8/2007				
Tritium in Water	<145	2/9/2007				

Boring: CA-SOL-Sta. 107 + 62, 110' LT (Vicinity of MH-6)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<177	12/6/2006	38.7089	-91.7711	1848414.59	1047809.04
9-11'	<177	12/6/2006				
14-16'	**3116 ± 185**	12/6/2006				
19-21'	**1662 ± 149**	12/6/2006				
19-21'	**1531 ± 146**	12/6/2006				
24-26'	**2343 ± 167**	12/6/2006				
Tritium in Water	None	Not sampled				

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CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 108 + 03.100' RT (Vicinity of MH-6)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<181	12/11/2006	38.7095	-91.7711	1848408.03	1048022.24
5-10'	<181	12/11/2006				
10-15'	<181	12/11/2006				
Tritium in Water	<184	12/13/2006				

Boring: CA-SOL-Sta. 108 + 45.28' RT (Vicinity of MH-6)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<157	2/8/2007	38.7093	-91.7716	1848354.59	1047956.66
5-10'	<157	2/8/2007				
10-15'	<157	2/8/2007				
Tritium in Water	<145	2/9/2007				

Boring: CA-SOL-Sta. 109 + 39.63' RT (Vicinity of MH-6A)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<181	12/11/2006	38.7095	-91.7716	1848268.93	1048003.68
9-11'	<181	12/11/2006				
14-16'	<181	12/11/2006				
19-21'	<181	12/11/2006				
24-26'	<181	12/11/2006				
Tritium in Water	<184	12/13/2006				

Boring: CA-SOL-Sta. 109 + 85.67' LT (Vicinity of MH-6B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<177	12/6/2006	38.7091	-91.7718	1848201.11	1047881.36
9-11'	<177	12/6/2006				
14-16'	**3116 ± 185**	12/6/2006				
19-21'	**1662 ± 149**	12/6/2006				
19-21'	**1531 ± 146**	12/6/2006				
24-26'	**2343 ± 167**	12/6/2006				
Tritium in Water	**2518 ± 171**	12/13/2006				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
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Boring: CA-SOL-Sta. 109 + 93, 116' LT (Vicinity of MH-6B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<169	2/8/2007	38.7090	-91.7719	1848186.49	1047834.28
5-10'	<169	2/8/2007				
10-15'	<169	2/8/2007				
15-20'	<169	2/8/2007				
Tritum in Water	<145	2/9/2007				

Boring: CA-SOL-Sta. 110 + 65, 70' LT (Vicinity of MH-6B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	**228 ± 103**	12/6/2006	38.7092	-91.7721	1848118.97	1047889.89
9-11'	<177	12/6/2006				
14-16'	<177	12/6/2006				
19-21'	<177	12/6/2006				
24-26'	<177	12/6/2006				
Tritium in Water	<176	12/8/2006				

Boring: CA-SOL-Sta. 132 + 87, 30' RT (Vicinity of MH-6B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<157	2/9/2007	38.7141	-91.7742	1847520.49	1049684.52
5-10'	<157	2/9/2007				
10-15'	<157	2/9/2007				
Tritium in Water	<145	2/10/2007				

Boring: CA-SOL-Sta. 137 + 85, 12' RT (Vicinity of MH-8)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<190	6/21/2007	38.7155	-91.7740	1847565.64	1050196.73
9-11'	<193	6/21/2007				
14-16'	<193	6/21/2007				
Tritium in Water	None	Not sampled				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 137 + 85, 62' LT (Vicinity of MH-8)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<190	6/21/2007	38.7155	-91.7742	1847508.58	1050196.28
8-10'	<190	6/21/2007				
13-15'	<190	6/21/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 138 + 40, 28' LT (Vicinity of MH-8)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	**403 ± 102**	12/22/2006	38.7156	-91.7741	1847544.22	1050238.75
4-6'	**249 ± 97**	12/22/2006				
9-11'	**213 ± 96**	12/22/2006				
9-11'	<165	12/22/2006				
14-16'	<165	12/22/2006				
14-16'	**216 ± 96**	12/22/2006				
Tritium in Water	<142	12/22/2006				

Boring: CA-SOL-Sta. 138 + 76, 75' LT (Vicinity of MH-8)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	**267± 97**	2/9/2007	38.7157	-91.7745	1847503.56	1050282.85
5-10'	<164	2/9/2007				
10-15'	**305 ± 99**	2/9/2007				
Tritium in Water	<145	2/10/2007				

Boring: CA-SOL-Sta. 138 + 86, 137' LT (Vicinity of MH-8)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<161	11/27/2006	38.7158	-91.7744	1847443.12	1050298.04
9-11'	<161	11/27/2006				
14-16'	<161	11/27/2006				
19-21'	<161	11/27/2006				
Tritium in Water	<177	12/5/2006				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 138 + 90, 28' RT (Vicinity of MH-8)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<172	11/28/2006	38.7158	-91.7740	1847551.63	1050288.57
9-11'	**273**	11/28/2006				
14-16'	<172	11/28/2006				
19-21'	<172	11/28/2006				
Tritium in Water	<177	12/5/2006				

Boring: CA-SOL-Sta. 139 + 17, 62' RT (Vicinity of MH-7)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<161	11/28/2006	38.7158	-91.7737	1847645.29	1050302.7
9-11'	<161	11/28/2006				
14-16'	<161	11/28/2006				
19-21'	<161	11/28/2006				
Tritium in Water	<177	12/5/2006				

Boring: CA-SOL-Sta. 139 + 47, 70' LT (Vicinity of MH-8)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	**334 ± 100**	2/9/2007	38.7159	-91.7741	1847518.77	1050351.81
5-10'	<164	2/9/2007				
10-15'	<164	2/9/2007				
Tritium in Water	<145	2/10/2007				

Boring: CA-SOL-Sta. 140 + 20, 90' RT (Vicinity of MH-9)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<161	11/28/2006	38.7161	-91.7735	1847688.83	1050401.07
9-11'	<161	11/28/2006				
14-16'	<161	11/28/2006				
19-21'	<161	11/28/2006				
Tritium in Water	**343 ± 100**	12/5/2006				
Tritium in Water	<170	12/22/2006				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta 140 + 24 40' RT (Vicinity of MH-9)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<147	10/2/2007	38.7161	-91.7738	1847600.10	1050420.75
8-10'	<147	10/2/2007				
13-15'	<147	10/2/2007				
Tritium in Water	<156	10/9/2007				

Boring: CA-SOL-Sta 140 + 58 102.5' RT (Vicinity of MH-9)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<193	6/20/2007	38.7162	-91.7735	1847706.80	1050452.80
8-10'	<193	6/20/2007				
13-15'	<193	6/20/2007				
18-20'	<193	6/20/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta 140 + 78 159' LT (Vicinity of MH-9A)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<190	6/20/2007	38.7163	-91.7744	1847445.51	1050485.08
8-10'	<193	6/20/2007				
13-15'	<193	6/20/2007				
18-20'	<193	6/20/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta 141 + 24 5 56' LT (Vicinity of MH-9A)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	**1537 ± 138**	11/21/2006	38.7164	-91.7740	1847558.40	1050524.29
9-11'	<170	11/21/2006				
14-16'	<170	11/21/2006				
19-21'	<178	11/21/2006				
24-26'	<170	11/21/2006				
Tritium in Water	**211 ± 96**	11/27/2006				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 141 + 24.5, 100' LT (Vicinity of MH-9A)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<170	12/22/2006	38.7164	-91.7742	1847514.97	1050528.99
9-11'	<170	12/22/2006				
14-16'	<170	12/22/2006				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 142 + 06, 88' RT (Vicinity of MH-9B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	**253 ± 95**	11/21/2006	38.7166	-91.7735	1847713.25	1050584.16
9-11'	<170	11/21/2006				
14-16'	<170	11/21/2006				
19-21'	<170	11/21/2006				
24-26'	<170	11/21/2006				
Tritium in Water	**191 ± 95**	11/27/2006				

Boring: CA-SOL-Sta. 142 + 17.5, 127' LT (Vicinity of MH-9B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<161	11/27/2006	38.7168	-91.7741	1847515.30	1050680.79
9-11'	<161	11/27/2006				
14-16'	<172	11/27/2006				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 142 + 20.5, 75' LT (Vicinity of MH-9B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<157	11/9/2007	38.7165	-91.7739	1847587.59	1050559.05
8-10'	<157	11/9/2007				
13-15'	<157	11/9/2007				
18-20'	<157	11/9/2007				
23-25'	<157	11/9/2007				
Tritium in Water	<172	11/9/2007				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 142 + 22.5, 23' RT (Vicinity of MH-9B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<157	11/9/2007	38.7166	-91.7736	1847672.90	1050596.14
8-10'	<157	11/9/2007				
13-15'	<157	11/9/2007				
18-20'	<144	11/9/2007				
20-25'	<157	11/9/2007				
Tritium in Water	<172	11/9/2007				

Boring: CA-SOL-Sta. 142 + 77.5, 55' RT (Vicinity of MH-9B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<144	11/9/2007	38.7167	-91.7736	1847672.61	1050632.56
8-10'	<157	11/9/2007				
13-15'	<144	11/9/2007				
18-20'	<157	11/9/2007				
23-25'	<157	11/9/2007				
Tritium in Water	<172	11/9/2007				

Boring: CA-SOL-Sta. 142 + 97.5, 41' LT (Vicinity of MH-9B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<157	11/9/2007	38.7165	-91.7740	1847701.72	1050559.95
8-10'	<157	11/9/2007				
13-15'	<157	11/9/2007				
18-20'	<157	11/9/2007				
23-25'	<157	11/9/2007				
Tritium in Water	<172	11/9/2007				

Boring: CA-SOL-Sta. 143 + 17.40' RT (Vicinity of MH-9B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<147	10/2/2007	38.7168	-91.7736	1847663.56	1050694.41
8-10'	<147	10/2/2007				
13-15'	<147	10/2/2007				
Tritium in Water	<156	10/9/207				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 143 + 65.5, 26' LT (Vicinity of MH-9B)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<164	2/9/2007	38.7170	-91.7738	1847623.47	1050759.11
5-10'	<164	2/9/2007				
10-15'	<164	2/9/2007				
Tritium in Water	<145	2/10/2007				

Boring: CA-SOL-Sta. 160 + 53, 30' RT (Vicinity of MH-10A)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3.5 - 5.5'	<167	1/9/2007	38.7209	-91.7762	1846930.07	1052160.11

Boring: CA-SOL-Sta. 181 + 42, 14' RT (Vicinity of MH-10A)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3.5 - 5.5'	<167	1/9/2007	38.7260	-91.7793	1846011.41	1054016.07

Boring: CA-SOL-Sta. 203 + 63, 14' RT (Vicinity of MH-10A)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3.5 - 5.5'	<167	1/9/2007	38.7321	-91.7794	1845982.14	1056231.70

Boring: CA-SOL-Sta. 224 + 34, 23' RT (Vicinity of MH-10A)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0 - 2.5'	**920 ± 121**	12/21/2006	38.7572	-91.7792	1845945.41	1065362.69
0 - 2.5'	<146	9/27/2007				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 230 + 45, 25' RT (Vicinity of MH-12)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<165	12/21/2006	38.7390	-91.7793	1845993.63	1058913.78
8-10'	<165	12/21/2006				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 230 + 95, 25' RT (Vicinity of MH-12)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<170	11/20/2006	38.7396	-91.7793	1845993.61	1058963.84
8-10'	<170	11/20/2006				
13-15'	**247 ± 95**	11/20/2006				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 232 + 25, 25' LT (Vicinity of MH-12)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<146	9/27/2007	38.7403	-91.7791	1846046.77	1059203.93
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 232 + 83, 123' LT (Vicinity of MH-12)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<170	11/20/2006	38.7401	-91.7798	1845845.72	1059151.70
8-10'	<170	11/20/2006				
Tritium in Water	None	Not sampled				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 233 + 35, 78' RT (Vicinity of MH-12)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<170	11/20/2006	38.7403	-91.7791	1846046.77	1059203.93
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 266 + 95, 10.5' RT (Vicinity of MH-13)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<163	2/9/2007	38.7486	-91.7772	1846555.95	1062253.46
5-10'	<157	2/9/2007				
10-15'	<157	2/9/2007				
15-18.2'	<157	2/9/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 270 + 60, 39' RT (Vicinity of MH-13)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<164	2/9/2007	38.7495	-91.7770	1846401.79	1062585.27
5-10'	<164	2/9/2007				
10-15'	<164	2/9/2007				
Tritium in Water	<145	2/10/2007				

Boring: CA-SOL-Sta. 270 + 60, 42' LT (Vicinity of MH-13)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<164	2/9/2007	38.7494	-91.7780	1846330.71	1062546.52
5-10'	<164	2/9/2007				
10-15'	<171	2/9/2007				
15-20'	<171	2/9/2007				
Tritium in Water	<145	2/10/2007				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta: 2293 + 94, 50' RT (Vicinity of Manhole 86-6)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<145	10/2/2007	38.7570	-91.7785	1846150.12	1065323.75
8-10'	<145	10/2/2007				
13-15'	<145	10/2/2007				
18-20'	<145	10/2/2007				
23-25'	<145	10/2/2007				
Tritum in water	None	Not sampled				

Boring: CA-SOL-Sta: 2294 + 30, 35' RT (Vicinity of Manhole 86-6)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<167	1/10/2007	38.7572	-91.7786	1846117.98	1065362.69
9-11'	<171	1/10/2007				
14-16'	**1616 ± 145**	1/10/2007				
19-21'	<171	1/10/2007				
24-26'	<171	1/10/2007				
29-31'	<171	1/10/2007				
34-36'	<171	1/10/2007				
Tritum in water	None	Not sampled				

Boring: CA-SOL-Sta: 2294 + 59, 80' LT (Vicinity of Manhole 86-6)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<147	10/2/2007	38.7570	-91.7789	1846044.70	1065311.99
8-10'	<147	10/2/2007				
13-15'	<147	10/2/2007				
18-20'	<147	10/2/2007				
23-25'	<147	10/2/2007				
Tritum in water	None	Not sampled				

Boring: CA-SOL-Sta: 2294 + 89, 45' RT (Vicinity of Manhole 86-6)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<145	10/4/2007	38.7573	-91.7786	1846109.51	1065410.84
8-10'	<145	10/4/2007				
13-15'	<145	10/4/2007				
18-20'	<145	10/4/2007				
23-25'	<145	10/4/2007				
Tritum in water	None	Not sampled				

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BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 2303 + 98, 20' LT (Vicinity of Manhole 86-5)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
4-6'	<167	1/11/2007	38.7880	-91.7777	1846375.90	1065662.88
9-11'	<167	1/11/2007				
14-16'	<167	1/11/2007				
19-21'	<167	1/11/2007				
24-26'	<167	1/11/2007				
29-31'	<167	1/11/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 2310 + 47.7, 33' LT (Vicinity of Manhole 86-4A)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<158	2/9/2007	38.7596	-91.7774	1846479.21	1066248.3
5-10'	<158	2/9/2007				
10-15'	<158	2/9/2007				
15-20'	<158	2/9/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 2316 + 1.7, 37' RT (Vicinity of Manhole 86-3)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<158	2/9/2007	38.7612	-91.7774	1846452.23	1066823.75
5-10'	<158	2/9/2007				
10-15'	<158	2/9/2007				
15-20'	<158	2/9/2007				
20-25'	<158	2/9/2007				
Tritium in Water	None	Not sampled				

NOTES:
1) Bold value represents value detected above reporting limits.
2) DD = Decimal Degrees.
3) RT = Right of pipeline.
4) LT = Left of pipeline.
5) Analysis conducted by Environmental Inc. Midwest Laboratory.
6) Stations represent field measured approximations. Not measured by professional surveyors.

BOREHOLE IDENTIFICATION TABLES
CALLAWAY POWER PLANT
TERRACON PROJECT NO. 09067011T

Boring: CA-SOL-Sta. 2316 + 66.7, 22' RT (Vicinity of Manhole 86-3)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<155	2/9/2007	38.7613	-91.7775	1846425.86	1066883.24
5-10'	<158	2/9/2007				
10-15'	<158	2/9/2007				
15-20'	<158	2/9/2007				
20-25'	<158	2/9/2007				
Tritium in Water	None	Not sampled				

Boring: CA-SOL-Sta. 2320 + 70, 20' RT (Vicinity of Manhole 86-2)						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
0-5'	<156	2/9/2007	38.7624	-91.7777	1846378.19	1067280.49
5-10'	<165	2/9/2007				
10-15'	<165	2/9/2007				
15-20'	<165	2/9/2007				
20-25'	<158	2/9/2007				
Tritium in Water	None	Not sampled				

MH - 86-1						
Sample Interval (feet bgs)	Tritium (pCi/L)	Sampling Date	DD Latitude	DD Longitude	UTM Easting	UTM Northing
3-5'	<156	10/4/2007	38.7634	-91.7791	1845957.75	1067660.48
8-10'	<156	10/4/2007				
13-15'	<156	10/4/2007				
18-20'	<156	10/4/2007				
23-25'	<156	10/4/2007				
28-29'	<156	10/4/2007				
Tritium in Water	<156	10/12/2007				

NOTES:
1) Bold value represents value detected above reporting limits.
2) DD = Decimal Degrees.
3) RT = Right of pipeline.
4) LT = Left of pipeline.
5) Analysis conducted by Environmental Inc. Midwest Laboratory.
6) Stations represent field measured approximations. Not measured by professional surveyors.

Table 2: Manhole 2 - Borehole Sampling Results

MH-2	74+07.5	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
0-1':	219,003	6/30/2006
1-2':	249,630	6/30/2006
unspecified	118,988	6/14/2006
Tritium in Water	no sample	dry

MH-2 B-1	74+20 R25	
	Tritium (pCi/L)	Date
3-5':	673	6/30/2006
8-10':	791	6/30/2006
13-15':	966	6/30/2006
18-20':	1374	6/30/2006
23-25':	1381	6/30/2006
Composite	500	6/30/2006
Tritium in Water	590	6/30/2006
Tritium in Water	<128[1]	7/5/2006

MH-2 B-2	73+03 L34	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	174	7/11/2006
8-10':	175	7/11/2006
13-15':	879	7/11/2006
Tritium in Water	337	7/11/2006

MH-2 B-3	73+68 R25	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
5.5-7.5':	6,378	7/11/2006
14-16':	2,361	7/11/2006
Tritium in Water	340	7/11/2006

MH-2 B-4	73+39 L16	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	<165	7/11/2006
8-10':	<165	7/11/2006
13-15':	<165	7/11/2006
Tritium in Water	435	7/11/2006

[1] location MH-2 B-1B

Table 2: Manhole 3B - Borehole Sampling Results

MH-3B	78+55	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
0-1':	43,304	7/10/2006
1-2':	117,359	7/10/2006
unspecified	19,257	6/14/2006
Tritium in Water	no sample	dry

MH-3B B-1	78+10 L17	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	187	7/10/2006
8-10':	<159	7/10/2006
13-15':	<159	7/10/2006
19-20':	<159	7/10/2006
Tritium in Water	138	7/10/2006

MH-3B B-2	78+55 L50	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
4-6':	<167	7/12/2006
9-11':	<167	7/12/2006
17-19':	<167	7/12/2006
Tritium in Water	<139	7/12/2006

MH-3B B-3	78+52 L14	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	<167	7/12/2006
8-10':	<167	7/12/2006
13-15':	<167	7/12/2006
Tritium in Water	<139	7/12/2006

MH-3B B-4	78+55 R50	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	<167	7/12/2006
8-10':	<167	7/12/2006
13-15':	<167	7/12/2006
Tritium in Water	<139	7/12/2006

Table 2: Manhole 5 - Borehole Sampling Results

MH-5	105+50	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
0-1':	141,170	6/30/2006
1-2':	96,036	6/30/2006
unspecified	214,455	6/14/2006
Tritium in Water	no sample	dry

MH-5 B-1	105+51 L13	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	174	7/5/2006
8-10':	387[1]	7/5/2006
13-15':	<165	7/5/2006
18-20':	<166	7/5/2006
Tritium in Water	<128[2]	7/5/2006

MH-5 B-2	105+87 L49	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
4-6':	<165	7/5/2006
9-11':	<165	7/5/2006
14-16':	<165	7/5/2006
19.5-21.5':	<165	7/5/2006
Tritium in Water	<129	7/5/2006

MH-5 B-3	105+29 R50	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
4-6':	<166	7/6/2006
9-11':	No Recovery	
14-16':	<166	7/6/2006
18-20':	<166	7/6/2006
Tritium in Water	<128	7/6/2006

MH-5 B-4	106+21 L21	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
4.5-6.5':	<166	7/6/2006
9-11':	<166	7/6/2006
14-16':	<166	7/6/2006
19.5 20.5	<166	7/6/2006
Tritium in Water	<128	7/6/2006

[1] MH-5 B-1,B-1A Comp
[2] MH-5 B-1A

Table 2: Manhole 6 - Borehole Sampling Results

MH-6	108+03	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
unspecified	~300[1]	
unspecified	<160	7/13/2006
Tritium in Water	<138	7/13/2006
Tritium in Water	<160	7/28/2006

MH-6 B-1	108+00 L12	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	188	7/13/2006
8-10':	236	7/13/2006
13-15':	272	7/13/2006
Tritium in Water	<138	7/13/2006

MH-6 B-2	108+03 L50	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	<163	7/13/2006
8-10':	215	7/13/2006
13-15':	230	7/13/2006
Tritium in Water	188	7/13/2006

MH-6 B-3	108+03 R40	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	<163	7/13/2006
8-10':	221	7/13/2006
13-15':	<163	7/13/2006
Tritium in Water	<138	7/13/2006

MH-6 B-4	107+62 L16	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	1,204	7/13/2006
8-10':	2,303	7/13/2006
13-15':	<163	7/13/2006
Tritium in Water	281	7/13/2006

[1] Reported by AmerenUE

Table 2: Manhole 6B - Borehole Sampling Results

MH-6B	109+90	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
0-1':	64,704	7/6/2006
1-2':	53,981	7/6/2006
unspecified	144,060	6/14/2006
Tritium in Water	no sample	dry

MH-6B B-1	109+85 L17	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3.5-5.5':	249[1]	7/6/2006
8.5-10.5':	731[1]	7/6/2006
13.5-15.5':	3384[1]	7/6/2006
18.5-20.5':	<165	7/6/2006
Tritium in Water	1554	7/6/2006

MH-6B B-2	109+90 R34	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	<166	7/6/2006
8-10':	<166	7/6/2006
13-15':	<166	7/6/2006
20-21':	<166	7/6/2006
Tritium in Water	158	7/6/2006

MH-6B B-3	109+90 L46	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
4.5-6.5':	<159	7/10/2006
13-15':	8,743	7/10/2006
Tritium in Water	1306	7/10/2006

MH-6B B-4	109+60 L18	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	194	7/10/2006
8-10':	25,863	7/10/2006
13-15':	5,284	7/10/2006
18-20':	793	7/10/2006
Tritium in Water	910	7/10/2006

[1] Composite of B-1 and B-1B

Table 2: Manhole 8 - Borehole Sampling Results

MH-8	139+90	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
0-1	230,868	6/28/2006
1-2	147,428	6/28/2006
unspecified	57,178	6/14/2006
Tritium in Water	no sample	dry

MH-8 B-1	139+70 L65	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	761	6/28/2006
8-10':	1,889	6/28/2006
13-15':	<171	6/28/2006
18-20':	<171	6/28/2006
23-25":	<162	6/28/2006
Tritium in Water	<124	6/28/2006

MH-8 B-2	139+85 L30	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	<162	6/28/2006
8-10':	924	6/28/2006
13-15':	714	6/28/2006
18-20':	<162	6/28/2006
23-25":	<171	6/28/2006
Tritium in Water	<124	6/28/2006

MH-8 B-3	140+35 R45	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	<162	6/28/2006
8-10':	290	6/28/2006
13-15':	<162	6/28/2006
18-20':	<162	6/28/2006
23-25":	<163	6/28/2006
Tritium in Water	<124	6/28/2006

MH-8 B-4	140+20 L50	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
9-11':	3,651	6/29/2006
13.5-15.5:	<176	6/29/2006
Tritium in Water	159	6/29/2006

Table 2: Manhole 9B - Borehole Sampling Results

MH-9B	142+47.5	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
0-1':	154,956	6/27/2006
1-2':	53,735	6/27/2006
Tritium in Water	<138	5/4/2006
Tritium in Water	<124	6/28/2006

MH-9B B-1	142+25.00	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3.5-5.5':	480	6/27/2006
8.5-10.5':	<166	6/27/2006
13.5-15.5':	<166	6/27/2006
Tritium in Water	<124	6/28/2006

MH-9B B-2	142+90 R50	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	197	6/27/2006
8-10':	<171	6/27/2006
13-15':	<171	6/27/2006
18-20':	<171	6/27/2006
23-25':	<171	6/27/2006
Tritium in Water	<124	6/28/2006

MH-9B B-3	141+85 L70	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	5,223	6/27/2006
8-10':	<171	6/27/2006
13-15':	302	6/27/2006
18-20':	588	6/27/2006
23-23':	569	6/27/2006
Tritium in Water	<124	6/28/2006

MH-9B B-4	141+30 L15	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3.5-5.5':	204	6/27/2006
8-9':	665	6/27/2006
Tritium in Water	155	6/28/2006

Table 2: Manhole 11A - Borehole Sampling Results

MH-11A	232+80	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
0-1':	816	6/29/2006
1-2':	669	6/29/2006
unspecified	885	6/15/2006
Tritium in Water	no sample	dry

MH-11A B-1	232+40 L20	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	<176	6/29/2006
8-10':	<176	6/29/2006
13-15':	<176	6/29/2006
Tritium in Water	no sample	dry

MH-11A B-2	232+25 L25	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	722	6/29/2006
8-10':	<176	6/29/2006
13-14':	<165	6/29/2006
17-18':	<165	6/29/2006
Tritium in Water	<173	7/11/2006

MH-11A B-3	231+95 R40	
Sample Interval (feet bgs)	Tritium (pCi/L)	Date
3-5':	<176	6/29/2006
8-10':	992	6/29/2006
13-15':	<165	6/29/2006
18-19.5:	<165	6/29/2006
Tritium in Water	<173	7/11/2006

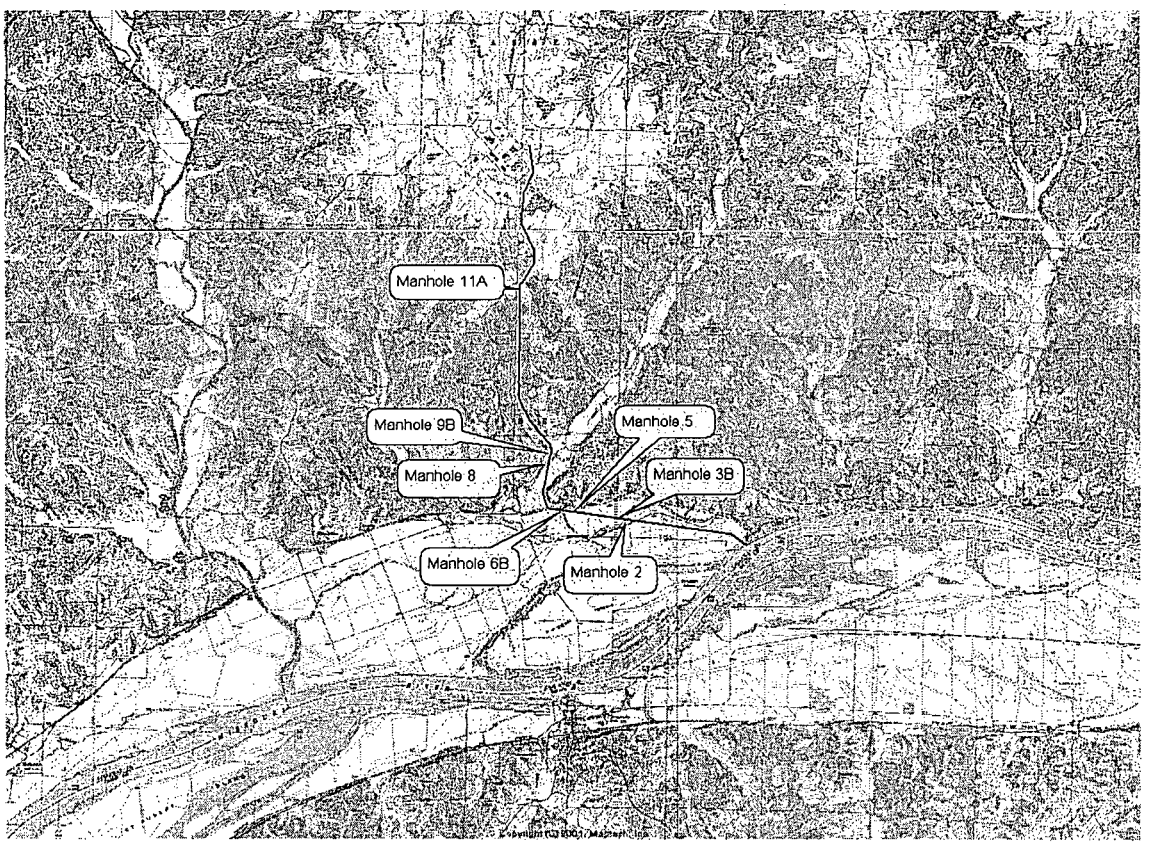
DECOMMISSIONING RECORDKEEPING LOG

Event Report Number (YY-XXX)	Prepared by	Date	Location	Event Description
92-001[1]	R. Winslow	11/14/07	Storm Drain Pond	Tritium discharged to the Storm Drain Pond from 1984 – 1992 via T-1, T02, & T-3 sumps.
92-002[1] (combined with 92-001)	R. Winslow	11/14/07	Storm Drain Pond	Contaminated sumps containing measurable gamma-emitting isotopes were routed to Turbine Bldg sumps and discharged to the Strom Drain Pond.
92-003[1]	R. Winslow	11/14/07	Sewage Treatment Plant	Sewage Treatment Plant contaminated via a cross-connection from FFTF.
92-004[1]	R. Winslow	12/6/07	Cooling Tower sludge disposal site	Sludge removed from Cooling Towers contains low levels of radioactivity.
93-001[1]	R. Winslow	12/6/07	Spray Pond sediment disposal sites	Contaminated sediment from cleanout of the SW Spray Ponds in 1989 and 1991 was placed in disposal trenches south of the Protected Area.
98-001	R. Winslow	12/12/07	Storm Drain Pond	PER 298-0783: Isotopic analysis of discharge to storm drain indicates some Co-60 present
00-001[2] (combined with 98-001)	N/A	N/A	Storm Drain Pond	PER 200-1826: Co-60 found in liquid nitrate waste. These wastes typically are drained to the Storm Drain Pond. Determined to be cross-contamination of sample container, and not a radioactive discharge to the SDP.
01-001[2] (combined with 98-001)	R. Winslow	12/12/07	Storm Drain Pond	PER 201-1381: Potentially contaminated water poured down drain to Storm Drain Pond
01-002[2] (combined with 98-001)	R. Winslow	12/12/07	Storm Drain Pond	PER 201-1233: Water drained to Storm Drain Pond using potentially contaminated hoses
03-001 (combined with 98-001)	R. Winslow	12/12/07	Storm Drain Pond	PER 203-0856: Tritium levels in January composite sample of storm drain outfall water elevated.
03-002[2] (combined with 98-001)	R. Winslow	12/12/07	Storm Drain Pond	PER 203-2356: Radioactive water found in demineralized water system including DWST. Leakage from pumps and DWST overflow goes to the Storm Drain Pond. (Note there were multiple PERs - documenting multiple contamination events.)

DECOMMISSIONING RECORDKEEPING LOG

03-003[2] (combined with 98-001)	R. Winslow	12/12/07	Storm Drain Pond	PER 203-3885: Tritium detected in the WOA air wash water. This drains to the Storm Drain Pond.
05-001 (combined with 98-001)	R. Winslow	12/12/07	Storm Drain Pond	CR 2-05-08789: Increased Co-60 was observed at the Storm Pond discharge during October.
06-001	M. McLain	06/14/06	CW Blowdown (CBD) Line	Soil samples indicate Co-60 and Cs-137 along pipe with higher levels indicated in valve box 12. Contamination in CBD valve boxes re-mediated (reference AR-OER 53852).

[1]Reference GO2-06-100, COLUMBIA GENERATING STATION, DOCKET NO. 50-397, GROUNDWATER PROTECTION – DATA COLLECTION QUESTIONNAIRE
[2]Reference PTL 244301, REVIEW SITE OPERATING HISTORY FOR EVIDENCE OF PAST SPILLS AND LEAKS TO THE ENVIRONMENT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Manhole 9B
Manhole 5
Manhole 8
Manhole 3B
Manhole 6B
Manhole 2

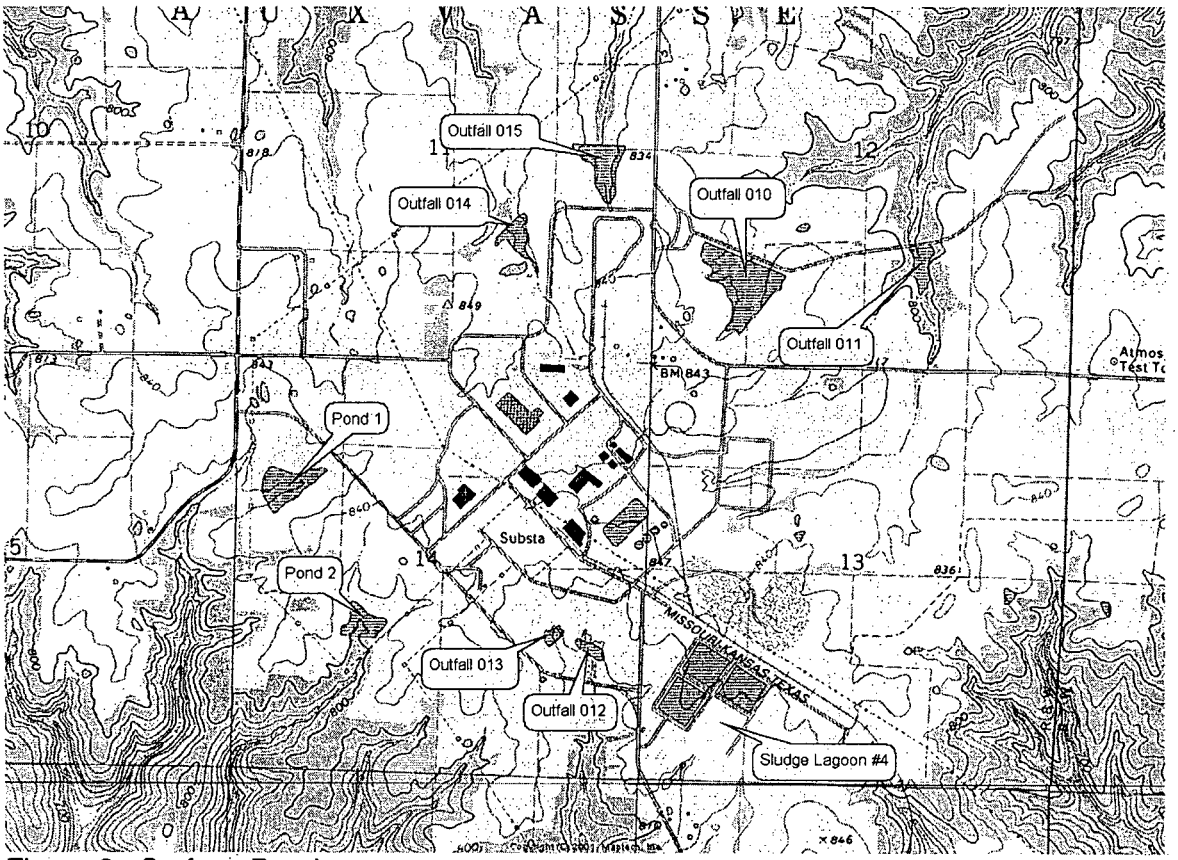

Figure 2: Surface Ponds