APPENDIX I -Groundwater Level Monitoring Through 2-18-2014 – No Change for Rev. 4

I.1 – Manual Water Level Readings
I.2 – Listing of Transducer Data Files

APPENDIX I.1 – Manual Water Level Readings - No Change for Rev. 4

I.1.1 Long Term Observation Wells

I.1.2 Other Observation Wells

APPENDIX I.1 – Manual Water Level Readings - No Change for Rev. 4

I.1.1 Long Term Observation Wells

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-101U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-101U	9/24/2013	14:56	803.72	13.01	790.71	
	10/1/2013	11:40	803.72	19.54	784.18	
	10/9/2013	11:06	803.72	20.58	783.14	
	10/26/2013	13:59	803.72	20.99	782.73	
	11/5/2013	14:57	803.72	21.03	782.69	
	11/12/2013	11:35	803.72	20.88	782.84	
	11/23/2013	12:49	803.72	19.77	783.95	
	12/9/2013	9:09	803.72	5.30	798.42	
	12/20/2013	13:11	803.72	13.07	790.65	
	1/13/2014	8:45	803.72	7.98	795.74	
	1/16/2014	13:55	803.72	8.34	795.38	
	2/18/2014	8:34	803.72	11.86	791.86	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-101L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-101L	9/24/2013	14:55	803.48	35.15	768.33	
	10/1/2013	11:45	803.48	37.11	766.37	
	10/9/2013	11:04	803.48	41.58	761.90	
	10/26/2013	13:56	803.48	46.59	756.89	
	11/5/2013	15:00	803.48	50.00	753.48	
	11/12/2013	11:36	803.48	53.88	749.60	
	11/23/2013	12:47	803.48	41.43	762.05	
	12/9/2013	8:50	803.48	30.01	773.47	
	12/20/2013	13:13	803.48	34.74	768.74	
	1/13/2014	8:47	803.48	31.96	771.52	
	1/16/2014	14:00	803.48	32.37	771.11	
	2/18/2014	8:42	803.48	34.78	768.70	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAA 4/3/14
Checked by/Date: CDT 4/3/14

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-101D
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-101D	9/24/2013	14:53	803.57	60.12	743.45	
	10/1/2013	11:50	803.57	60.54	743.03	
	10/9/2013	11:02	803.57	61.80	741.77	
	10/26/2013	13:54	803.57	62.24	741.33	
	11/5/2013	15:03	803.57	63.05	740.52	
	11/12/2013	11:37	803.57	63.68	739.89	
	11/23/2013	12:45	803.57	64.32	739.25	
	12/9/2013	8:58	803.57	54.18	749.39	
	12/20/2013	13:16	803.57	62.52	741.05	
	1/13/2014	8:50	803.57	58.42	745.15	
	1/16/2014	14:05	803.57	59.08	744.49	
	2/18/2014	8:48	803.57	62.07	741.50	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDS 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-202U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-202U	9/24/2013	15:15	815.38	16.73	798.65	
	10/1/2013	8:17	815.38	19.07	796.31	
	10/9/2013	11:23	815.38	22.49	792.89	
	10/26/2013	14:15	815.38	26.87	788.51	
	11/5/2013	13:08	815.38	28.06	787.32	
	11/12/2013	12:04	815.38	28.63	786.75	
	11/23/2013	11:34	815.38	17.95	797.43	
	12/9/2013	15:08	815.38	15.23	800.15	
	12/20/2013	10:41	815.38	17.28	798.10	
	1/13/2014	9:26	815.38	15.91	799.47	
	1/16/2014	11:06	815.38	16.42	798.96	
	2/18/2014	11:32	815.38	16.54	798.84	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-202L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-202L	9/24/2013	15:17	815.05	48.13	766.92	
	10/2/2013	7:55	815.05	48.88	766.17	Transducer in well. Rising head test still running on 10/1.
	10/9/2013	11:21	815.05	49.69	765.36	
	10/26/2013	14:11	815.05	52.19	762.86	
	11/5/2013	13:06	815.05	53.29	761.76	
	11/12/2013	12:02	815.05	53.93	761.12	
	11/23/2013	11:32	815.05	109.27	705.78	Well still recovering after water quality sampling.
	12/9/2013	15:13	815.05	36.78	778.27	
	12/20/2013	10:38	815.05	41.47	773.58	
	1/13/2014	9:25	815.05	38.26	776.79	
	1/16/2014	11:00	815.05	38.97	776.08	
	2/18/2014	11:36	815.05	42.20	772.85	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAH 3/6/14
Checked by/Date: RSA 3/8/14

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-202D
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-202D	9/24/2013	15:19	815.00	55.66	759.34	
	10/1/2013	8:21	815.00	56.04	758.96	
	10/9/2013	11:18	815.00	57.50	757.50	
	10/26/2013	14:10	815.00	59.33	755.67	
	11/5/2013	13:05	815.00	60.15	754.85	
	11/12/2013	12:00	815.00	60.72	754.28	
	11/23/2013	11:30	815.00	59.95	755.05	
	12/9/2013	16:20	815.00	51.36	763.64	
	12/20/2013	10:34	815.00	52.59	762.41	
	1/13/2014	9:24	815.00	50.96	764.04	
	1/16/2014	10:52	815.00	50.24	764.76	
	2/18/2014	11:41	815.00	53.03	761.97	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAZ 3/1/14
Checked by/Date: CSA 3/3/14

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-409U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-409U	9/24/2013	15:04	809.70	64.98	744.72	
	10/1/2013	8:40	809.70	66.86	742.84	
	10/9/2013	11:12	809.70	68.39	741.31	
	10/26/2013	14:04	809.70	68.86	740.84	
	11/5/2013	12:58	809.70	68.91	740.79	
	11/12/2013	11:53	809.70	69.93	739.77	
	11/23/2013	11:27	809.70	70.60	739.10	
	12/9/2013	15:02	809.70	47.14	762.56	
	12/20/2013	11:20	809.70	67.71	741.99	
	1/13/2014	9:17	809.70	53.66	756.04	
	1/16/2014	10:12	809.70	56.35	753.35	
	2/18/2014	11:50	809.70	66.07	743.63	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-409L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-409L	9/24/2013	15:06	809.51	37.60	771.91	
	10/1/2013	8:43	809.51	39.04	770.47	
	10/9/2013	11:14	809.51	45.06	764.45	
	10/26/2013	14:05	809.51	49.11	760.40	
	11/5/2013	12:56	809.51	50.49	759.02	
	11/12/2013	11:56	809.51	51.30	758.21	
	11/23/2013	11:25	809.51	41.25	768.26	
	12/9/2013	14:56	809.51	30.29	779.22	
	12/20/2013	10:19	809.51	36.45	773.06	
	1/13/2014	9:18	809.51	32.38	777.13	
	1/16/2014	10:34	809.51	33.08	776.43	
	2/18/2014	11:55	809.51	35.44	774.07	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDJ 3/4/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-417U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-417U	9/24/2013	11:05	775.03	28.06	746.97	
	10/1/2013	9:12	775.03	28.26	746.77	
	10/9/2013	9:41	775.03	28.62	746.41	
	10/26/2013	13:15	775.03	29.10	745.93	
	11/5/2013	14:14	775.03	29.45	745.58	
	11/12/2013	11:03	775.03	29.94	745.09	
	11/23/2013	12:05	775.03	30.73	744.30	
	12/9/2013	10:55	775.03	26.88	748.15	
	12/20/2013	12:37	775.03	27.64	747.39	
	1/13/2014	11:17	775.03	25.85	749.18	
	1/16/2014	13:13	775.03	25.61	749.42	
	2/18/2014	9:34	775.03	27.32	747.71	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-417L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-417L	9/24/2013	11:02	775.71	25.30	750.41	
	10/1/2013	9:16	775.71	25.54	750.17	
	10/9/2013	9:43	775.71	25.82	749.89	
	10/26/2013	13:22	775.71	26.56	749.15	
	11/5/2013	14:16	775.71	26.97	748.74	
	11/12/2013	11:05	775.71	27.27	748.44	
	11/23/2013	12:07	775.71	27.94	747.77	
	12/9/2013	10:58	775.71	27.10	748.61	
	12/20/2013	12:31	775.71	25.60	750.11	
	1/13/2014	11:18	775.71	23.43	752.28	
	1/16/2014	13:19	775.71	23.18	752.53	
	2/18/2014	9:40	775.71	23.84	751.87	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JCD 3/1/14
Checked by/Date: GSA 3/3/14

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-423U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-423U	9/24/2013	15:31	800.21	38.78	761.43	
	10/1/2013	9:02	800.21	39.75	760.46	
	10/9/2013	11:35	800.21	39.85	760.36	
	10/26/2013	8:33	800.21	41.72	758.49	
	11/5/2013	13:21	800.21	42.28	757.93	
	11/12/2013	10:07	800.21	42.92	757.29	
	11/23/2013	11:16	800.21	41.53	758.68	
	12/9/2013	14:13	800.21	34.61	765.60	
	12/20/2013	11:20	800.21	39.29	760.92	
	1/13/2014	11:41	800.21	37.93	762.28	
	1/16/2014	11:51	800.21	38.21	762.00	
	2/18/2014	14:08	800.21	38.70	761.51	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-423L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-423L	9/24/2013	15:30	801.13	29.53	771.60	
	10/1/2013	8:59	801.13	31.48	769.65	
	10/9/2013	11:34	801.13	35.24	765.89	
	10/26/2013	8:32	801.13	37.41	763.72	
	11/5/2013	13:24	801.13	38.28	762.85	
	11/12/2013	10:14	801.13	39.00	762.13	
	11/23/2013	11:14	801.13	37.77	763.36	
	12/9/2013	14:17	801.13	20.84	780.29	
	12/20/2013	11:15	801.13	26.89	774.24	
	1/13/2014	11:42	801.13	24.48	776.65	
	1/16/2014	11:57	801.13	23.97	777.16	
	2/18/2014	14:12	801.13	25.90	775.23	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAJ 3/1/14
Checked by/Date: GSA 3/3/14

GROUNDWATER LEVEL SUMMARY - LONG-TERM OBSERVATION WELL OW-423D
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-423D	9/24/2013	15:28	802.86	27.34	775.52	
	10/1/2013	8:57	802.86	27.09	775.77	
	10/9/2013	11:32	802.86	27.98	774.88	
	10/26/2013	8:30	802.86	30.80	772.06	
	11/5/2013	13:26	802.86	31.67	771.19	
	11/12/2013	10:18	802.86	32.05	770.81	
	11/23/2013	11:12	802.86	30.16	772.70	
	12/9/2013	14:25	802.86	20.58	782.28	
	12/20/2013	11:10	802.86	20.44	782.42	
	1/13/2014	11:44	802.86	17.95	784.91	
	1/16/2014	12:03	802.86	16.50	786.36	
	2/18/2014	14:15	802.86	20.46	782.40	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: MJ 3/1/14
Checked by/Date: RSA 3/3/14

APPENDIX I.1 –Manual Water Level Readings - No Change for Rev. 4

I.1.2 Other Observation Wells

GROUNDWATER LEVEL SUMMARY - PUMPING TEST OBSERVATION WELL PT-PW
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
PT-PW	11/5/2013	13:33	804.03	64.32	739.71	
	11/12/2013	NM	804.03	NM	NM	Well is secured with drill rig. Not accessible at this time.
	11/23/2013	11:22	804.03	66.73	737.30	
	12/9/2013	14:44	804.03	62.67	741.36	
	12/20/2013	11:05	804.03	65.62	738.41	
	1/13/2014	11:50	804.03	64.64	739.39	
	1/16/2014	12:20	804.03	65.02	739.01	
	2/18/2014	14:27	804.03	66.28	737.75	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - PUMPING TEST OBSERVATION WELL PT-OW-U1
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
PT-OW-U1	11/5/2013	13:18	801.52	60.41	741.11	
	11/12/2013	10:02	801.52	61.44	740.08	
	11/23/2013	11:07	801.52	63.14	738.38	
	12/9/2013	14:10	801.52	50.78	750.74	
	12/20/2013	11:51	801.52	60.92	740.6	
	1/13/2014	11:40	801.52	58.36	743.16	
	1/16/2014	11:43	801.52	58.36	743.16	
	2/18/2014	14:04	801.52	59.42	742.1	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - PUMPING TEST OBSERVATION WELL PT-OW-L1
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
PT-OW-L1	11/5/2013	13:17	803.13	42.50	760.63	
	11/12/2013	10:04	803.13	43.42	759.71	
	11/23/2013	11:09	803.13	41.87	761.26	
	12/9/2013	14:04	803.13	17.46	785.67	
	12/20/2013	11:53	803.13	29.06	774.07	
	1/13/2014	11:37	803.13	22.95	780.18	
	1/16/2014	11:37	803.13	23.35	779.78	
	2/18/2014	14:00	803.13	28.54	774.59	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - PUMPING TEST OBSERVATION WELL PT-OW-U2
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
PT-OW-U2	11/5/2013	13:14	805.31	60.34	744.97	
	11/12/2013	9:58	805.31	61.36	743.95	
	11/23/2013	11:04	805.31	62.53	742.78	
	12/9/2013	14:00	805.31	54.91	750.40	
	12/20/2013	11:58	805.31	54.82	750.49	
	1/13/2014	11:33	805.31	52.22	753.09	
	1/16/2014	11:22	805.31	52.07	753.24	
	2/18/2014	13:56	805.31	53.34	751.97	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JA 3/1/14
Checked by/Date: TSA 3/3/14

GROUNDWATER LEVEL SUMMARY - PUMPING TEST OBSERVATION WELL PT-OW-L2
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
PT-OW-L2	11/5/2013	13:13	804.32	42.88	761.44	
	11/12/2013	9:55	804.32	43.60	760.72	
	11/23/2013	11:03	804.32	42.47	761.85	
	12/9/2013	13:54	804.32	12.83	791.49	
	12/20/2013	12:04	804.32	28.19	776.13	
	1/13/2014	11:32	804.32	20.57	783.75	
	1/16/2014	11:30	804.32	21.47	782.85	
	2/18/2014	13:52	804.32	27.88	776.44	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - PUMPING TEST OBSERVATION WELL PT-OW-U3
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
PT-OW-U3	11/5/2013	13:28	801.65	39.40	762.25	
	11/12/2013	10:22	801.65	39.96	761.69	
	11/23/2013	11:18	801.65	39.22	762.43	
	12/9/2013	14:38	801.65	25.90	775.75	
	12/20/2013	11:25	801.65	28.43	773.22	
	1/13/2014	11:46	801.65	25.77	775.88	
	1/16/2014	12:08	801.65	25.75	775.90	
	2/18/2014	14:22	801.65	28.77	772.88	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDS 3/1/14
Checked by/Date: JSA 3/3/14

GROUNDWATER LEVEL SUMMARY - PUMPING TEST OBSERVATION WELL PT-OW-L3
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
PT-OW-L3	11/5/2013	13:30	803.12	59.20	743.92	
	11/12/2013	10:24	803.12	59.32	743.80	
	11/23/2013	11:19	803.12	59.82	743.30	
	12/9/2013	14:34	803.12	58.04	745.08	
	12/20/2013	11:29	803.12	58.78	744.34	
	1/13/2014	11:47	803.12	57.76	745.36	
	1/16/2014	12:14	803.12	57.74	745.38	
	2/18/2014	14:18	803.12	58.16	744.96	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JCJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-401U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-401U	9/24/2013	15:49	820.48	9.52	810.96	
	10/1/2013	9:24	820.48	9.96	810.52	
	10/9/2013	9:20	820.48	10.29	810.19	
	10/26/2013	12:55	820.48	10.54	809.94	
	11/5/2013	13:44	820.48	10.66	809.82	
	11/12/2013	10:41	820.48	10.70	809.78	
	11/23/2013	11:47	820.48	10.85	809.63	
	12/9/2013	11:53	820.48	7.34	813.14	
	12/20/2013	12:13	820.48	9.85	810.63	
	1/13/2014	10:58	820.48	8.88	811.60	
	2/18/2014	9:54	820.48	9.62	810.86	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAS 3/1/14
Checked by/Date: CSA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-401L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-401L	9/24/2013	15:45	820.57	37.08	783.49	
	10/1/2013	9:20	820.57	38.86	781.71	
	10/9/2013	9:18	820.57	40.14	780.43	
	10/26/2013	12:53	820.57	41.90	778.67	
	11/5/2013	13:41	820.57	42.41	778.16	
	11/12/2013	10:40	820.57	42.37	778.20	
	11/23/2013	11:44	820.57	39.96	780.61	
	12/9/2013	11:56	820.57	28.82	791.75	
	12/20/2013	12:12	820.57	33.28	787.29	
	1/13/2014	10:57	820.57	25.02	795.55	
	2/18/2014	9:52	820.57	31.88	788.69	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAS 3/1/14
Checked by/Date: GLA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-401D
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-401D	9/24/2013	9:20	821.28	39.61	781.67	
	10/1/2013	9:28	821.28	38.58	782.70	
	10/9/2013	9:22	821.28	40.31	780.97	
	10/26/2013	12:57	821.28	43.95	777.33	
	11/5/2013	13:46	821.28	48.40	772.88	
	11/12/2013	10:42	821.28	44.19	777.09	
	11/23/2013	11:49	821.28	40.79	780.49	
	12/9/2013	12:01	821.28	34.41	786.87	
	12/20/2013	12:14	821.28	40.05	781.23	
	1/13/2014	10:58	821.28	26.95	794.33	
	2/18/2014	9:56	821.28	29.84	791.44	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-415U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-415U	9/24/2013	14:33	787.22	28.42	758.80	
	10/1/2013	11:26	787.22	29.41	757.81	
	10/9/2013	10:55	787.22	31.13	756.09	
	10/26/2013	13:45	787.22	32.01	755.21	
	11/5/2013	14:50	787.22	32.33	754.89	
	11/12/2013	11:28	787.22	32.44	754.78	
	11/23/2013	12:37	787.22	30.84	756.38	
	12/9/2013	9:20	787.22	15.20	772.02	
	12/20/2013	12:58	787.22	22.82	764.40	
	1/13/2014	8:37	787.22	20.00	767.22	
	2/18/2014	9:04	787.22	24.00	763.22	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAJ 3/1/14
Checked by/Date: GSA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-415L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-415L	9/24/2013	14:36	786.75	22.92	763.83	
	10/1/2013	11:30	786.75	21.73	765.02	
	10/9/2013	10:58	786.75	21.29	765.46	
	10/26/2013	13:49	786.75	21.35	765.40	
	11/5/2013	14:53	786.75	21.49	765.26	
	11/12/2013	11:30	786.75	21.56	765.19	
	11/23/2013	12:39	786.75	20.62	766.13	
	12/9/2013	9:23	786.75	14.84	771.91	
	12/20/2013	12:59	786.75	15.88	770.87	
	1/13/2014	NA	786.75	NM	NM	Not Measured. TVA sampling well. Pump stuck in well.
	2/18/2014	9:02	787.75	18.07	769.68	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAS 3/1/14
Checked by/Date: JAS 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-416U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-416U	9/24/2013	14:28	812.82	71.38	741.44	
	10/1/2013	11:12	812.82	71.78	741.04	
	10/9/2013	10:28	812.82	72.76	740.06	
	10/26/2013	13:41	812.82	72.93	739.89	
	11/5/2013	14:45	812.82	73.08	739.74	
	11/12/2013	11:22	812.82	73.97	738.85	
	11/23/2013	12:34	812.82	75.60	737.22	
	12/9/2013	9:31	812.82	66.89	745.93	
	12/20/2013	12:56	812.82	74.32	738.50	
	1/13/2014	8:36	812.82	70.20	742.62	
	2/18/2014	9:05	812.82	73.58	739.24	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDS 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-416L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-416L	9/24/2013	14:22	812.73	71.25	741.48	
	10/1/2013	11:16	812.73	71.65	741.08	
	10/9/2013	10:26	812.73	72.60	740.13	
	10/26/2013	13:38	812.73	72.81	739.92	
	11/5/2013	14:43	812.73	72.94	739.79	
	11/12/2013	11:20	812.73	73.83	738.90	
	11/23/2013	12:32	812.73	75.44	737.29	
	12/9/2013	9:35	812.73	67.17	745.56	
	12/20/2013	12:55	812.73	74.17	738.56	
	1/13/2014	8:35	812.73	70.13	742.60	
	2/18/2014	9:07	812.73	73.43	739.30	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAS 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-418U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-418U	9/24/2013	13:54	812.94	61.98	750.96	
	10/1/2013	11:03	812.94	61.92	751.02	
	10/9/2013	9:54	812.94	62.33	750.61	
	10/26/2013	13:24	812.94	63.56	749.38	
	11/5/2013	14:23	812.94	64.41	748.53	
	11/12/2013	11:16	812.94	65.11	747.83	
	11/23/2013	12:21	812.94	65.77	747.17	
	12/9/2013	9:46	812.94	51.54	761.40	
	12/20/2013	12:50	812.94	58.35	754.59	
	1/13/2014	8:29	812.94	55.80	757.14	
	2/18/2014	9:12	812.94	57.58	755.36	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAS 3/1/14
Checked by/Date: CSA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-418L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-418L	9/24/2013	13:55	814.41	66.20	748.21	
	10/1/2013	10:58	814.41	67.53	746.88	
	10/9/2013	9:50	814.41	68.64	745.77	
	10/26/2013	13:25	814.41	69.45	744.96	
	11/5/2013	14:25	814.41	70.10	744.31	
	11/12/2013	11:18	814.41	70.87	743.54	
	11/23/2013	12:23	814.41	71.43	742.98	
	12/9/2013	9:41	814.41	63.85	750.56	
	12/20/2013	12:53	814.41	62.34	752.07	
	1/13/2014	8:30	814.41	61.38	753.03	
	2/18/2014	9:10	814.41	62.98	751.43	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAS 3/1/14
Checked by/Date: GSA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-419U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-419U	9/24/2013	13:33	803.13	45.73	757.40	
	10/1/2013	9:02	803.13	49.94	753.19	
	10/9/2013	9:37	803.13	53.55	749.58	
	10/26/2013	13:09	803.13	54.51	748.62	
	11/5/2013	14:04	803.13	54.72	748.41	
	11/12/2013	10:52	803.13	54.82	748.31	
	11/23/2013	12:01	803.13	51.97	751.16	
	12/9/2013	11:34	803.13	35.43	767.70	
	12/20/2013	9:18	803.13	43.37	759.76	
	1/13/2014	11:03	803.13	39.42	763.71	
	2/18/2014	9:23	803.13	44.35	758.78	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-419L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-419L	9/24/2013	13:32	802.72	46.32	756.40	
	10/1/2013	9:07	802.72	49.83	752.89	
	10/9/2013	9:35	802.72	53.04	749.68	
	10/26/2013	13:11	802.72	54.00	748.72	
	11/5/2013	14:06	802.72	54.20	748.52	
	11/12/2013	10:58	802.72	54.27	748.45	
	11/23/2013	11:59	802.72	51.65	751.07	
	12/9/2013	11:30	802.72	39.15	763.57	
	12/20/2013	9:20	802.72	43.95	758.77	
	1/13/2014	11:04	802.72	40.86	761.86	
	2/18/2014	9:25	802.72	44.72	758.00	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-420U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-420U	9/24/2013	13:43	805.70	46.83	758.87	
	10/1/2013	9:56	805.70	47.71	757.99	
	10/9/2013	9:29	805.70	48.66	757.04	
	10/26/2013	13:04	805.70	DRY	NM	49.35 Termination Depth. Brown sediment on probe.
	11/5/2013	13:54	805.70	DRY	NM	49.33 Termination Depth. Brown sediment on probe.
	11/12/2013	10:50	805.70	DRY	NM	49.35 Termination Depth. Tagged total depth.
	11/23/2013	11:53	805.70	47.09	758.61	
	12/9/2013	11:38	805.70	45.12	760.58	
	12/20/2013	12:19	805.70	46.82	758.88	
	1/13/2014	11:01	805.70	46.66	759.04	
	2/18/2014	9:49	805.70	46.57	759.13	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.
4. NM = Not Measured.

Prepared by/Date: JAJ 3/1/14
Checked by/Date: RSH 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-420L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-420L	9/24/2013	13:45	806.15	64.02	742.13	
	10/1/2013	9:47	806.15	64.77	741.38	
	10/9/2013	9:27	806.15	65.18	740.97	
	10/26/2013	13:02	806.15	65.14	741.01	
	11/5/2013	13:56	806.15	65.49	740.66	
	11/12/2013	10:51	806.15	66.10	740.05	
	11/23/2013	11:55	806.15	69.56	736.59	
	12/9/2013	11:43	806.15	61.18	744.97	
	12/20/2013	12:17	806.15	66.16	739.99	
	1/13/2014	11:00	806.15	60.72	745.43	
	2/18/2014	9:47	806.15	64.38	741.77	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAJ 3/1/14
Checked by/Date: RSH 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-421U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-421U	9/24/2013	14:09	808.27	55.04	753.23	
	10/1/2013	10:43	808.27	53.91	754.36	
	10/9/2013	10:01	808.27	53.79	754.48	
	10/26/2013	13:30	808.27	54.15	754.12	
	11/5/2013	14:35	808.27	54.13	754.14	
	11/12/2013	11:14	808.27	54.09	754.18	
	11/23/2013	12:30	808.27	54.12	754.15	
	12/9/2013	11:13	808.27	54.04	754.23	
	12/20/2013	12:46	808.27	53.82	754.45	
	1/13/2014	8:19	808.27	53.72	754.55	
	2/18/2014	9:15	808.27	53.82	754.45	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum Is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAJ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-421L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-421L	9/24/2013	14:02	807.81	98.54	709.27	
	10/1/2013	10:38	807.81	70.61	737.20	
	10/8/2013	9:05	807.81	61.15	746.66	Water level obtained between slug tests.
	10/26/2013	13:31	807.81	59.89	747.92	
	11/5/2013	14:33	807.81	59.77	748.04	
	11/12/2013	11:13	807.81	59.91	747.90	
	11/23/2013	12:28	807.81	119.47	688.34	Well still recovering after water quality sampling.
	12/9/2013	11:17	807.81	63.13	744.68	
	12/20/2013	12:45	807.81	58.36	749.45	
	1/13/2014	8:18	807.81	57.38	750.43	
	2/18/2014	9:17	807.81	57.55	750.26	

Notes:

1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JBJ 3/1/14
Checked by/Date: KBA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-421D
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-421D	9/24/2013	14:11	805.20	176.16	629.04	
	10/1/2013	10:23	805.20	135.66	669.54	
	10/8/2013	9:06	805.20	102.07	703.13	Water level obtained between slug tests.
	10/26/2013	13:33	805.20	72.01	733.19	
	11/5/2013	14:31	805.20	65.50	739.70	
	11/12/2013	11:11	805.20	63.29	741.91	
	11/23/2013	12:26	805.20	61.80	743.40	
	12/9/2013	11:22	805.20	61.18	744.02	
	12/20/2013	12:44	805.20	60.00	745.20	
	1/13/2014	8:20	805.20	86.04	719.16	***Water level lowered due to TVA sampling***
	2/18/2014	9:19	805.20	60.50	744.70	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: 4/10/14
Checked by/Date: CDT 4/10/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-428U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-428U	11/5/2013	15:10	807.78	42.51	765.27	
	11/12/2013	12:16	807.78	42.84	764.94	
	11/23/2013	7:54	807.78	34.65	773.13	
	12/9/2013	13:36	807.78	17.51	790.27	
	12/20/2013	9:55	807.78	22.35	785.43	
	1/13/2014	9:10	807.78	16.34	791.44	
	2/18/2014	12:09	807.78	19.35	788.43	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JAS 3/1/14
Checked by/Date: RBH 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-428L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-428L	11/12/2013	12:13	807.06	48.23	758.83	
	11/23/2013	7:52	807.06	24.85	782.21	
	12/9/2013	13:39	807.06	19.85	787.21	
	12/20/2013	9:56	807.06	28.64	778.42	
	1/13/2014	9:11	807.06	17.60	789.46	
	2/18/2014	12:07	807.06	16.92	790.14	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDJ 3/1/14
Checked by/Date: RBH 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-428D
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-428D	11/12/2013	12:10	807.03	177.22	629.81	Well drawn down during development.
	11/23/2013	7:50	807.03	45.50	761.53	Well recovering from development.
	12/9/2013	13:44	807.03	11.05	795.98	
	12/11/2013	8:48	807.03	9.53	797.50	
	12/11/2013	9:23	807.03	9.65	797.38	Transducer depth reset.
	12/12/2013	14:35	807.03	8.97	798.06	
	12/13/2013	9:15	807.03	8.73	798.30	
	12/17/2013	NM	807.03	NM	NM	TVA sampling well.
	12/18/2013	9:11	807.03	32.82	774.21	Transducer reinstalled after TVA sampling. Well recovering.
	12/20/2013	13:23	807.03	27.39	779.64	Well recovering.
	1/9/2014	9:20	807.03	18.37	788.66	Well recovering.
	1/13/2014	NM	807.03	NM	NM	Not measured. Falling head test in progress.
	1/16/2014	14:14	807.03	11.43	795.60	
	2/18/2014	12:04	807.03	9.80	797.23	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.
4. NM = Not Measured
5. Well has very slow recovery.

Prepared by/Date: JCZ 3/1/14
Checked by/Date: RSA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-429U
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-429U	11/12/2013	11:40	799.17	40.47	758.70	
	11/23/2013	12:59	799.17	37.07	762.10	
	12/9/2013	13:23	799.17	32.28	766.89	
	12/20/2013	9:33	799.17	30.95	768.22	TVA sampling well. Pump in well overnight.
	1/13/2014	8:54	799.17	30.97	768.20	
	2/18/2014	8:53	799.17	32.28	766.89	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JCJ 3/1/14
Checked by/Date: RBA 3/3/14

GROUNDWATER LEVEL SUMMARY - OBSERVATION WELL OW-429L
CLINCH RIVER SMR PROJECT
OAK RIDGE, ROANE COUNTY, TENNESSEE
AMEC PROJECT NO. 6468-13-1072

OBSERVATION WELL ID	DATE	TIME	REF. POINT ELEVATION (ft)	WATER LEVEL DEPTH (ft)	WATER LEVEL ELEVATION (ft)	NOTES
OW-429L	11/12/2013	11:42	799.49	162.64	636.85	
	11/23/2013	12:56	799.49	161.00	638.49	
	12/9/2013	13:28	799.49	159.30	640.19	
	12/20/2013	9:36	799.49	158.20	641.29	
	1/13/2014	8:55	799.49	160.00	639.49	
	2/18/2014	8:55	799.49	156.77	642.72	

Notes:
1. Depths referenced to mark on Top of Casing.
2. Survey Vertical Datum is NAVD 88
3. See Appendix E.1 for well construction details.

Prepared by/Date: JDS 3/1/14
Checked by/Date: RSH 3/3/14