Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y (1)	Y (1)	Y (1)	(1) Y	(1) Y	(1) Y	(1) Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2565368	2565368	2565368	2565368	2565368	2565368	2565368
Gallons (previous day) [B]	N/A		2565368	2565368	2565368	2565368	2565368	2565368	2565368
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	0	0	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) SNOW

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	50799	50799	50799	50799	50799	50799	50799
Gallons (previous day) [D]	N/A		50799	50799	50799	50799	50799	50799	50799
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		(1)	(1)	(1)	(1)	(1)	(1)	(1)
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		↓	↓	↓	↓	↓	↓	↓
Record previous day's volume (gallons) [F]	N/A								
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	↓	↓	↓	↓	↓	↓	↓

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) INSTRUMENT TR 31/ST/LI/3 O/S - SOLID WASTE NOTIFIED

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	29.52	29.82	29.98	30.22	30.43	30.72	*(1) ~~0~~ lowest 32.4 65
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		4716	5008	5081	5170	5259	5392	*(1) ~~0~~ 6277
Record previous day's volume (gal) [H]	N/A		4798	4716	5008	5081	5170	5259	5392
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		-82	292	73	89	89	133	*(1) ~~0~~ 885
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	12.06	12.12	12.12	12.12	12.12	12.16	12.14
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		324	331	331	331	331	331	331
Record previous day's volume (gal) [J]	N/A		301	324	331	331	331	331	331
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		23	7	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	23	7	0	~~0~~	~~0~~	~~0~~	~~0~~

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

*(1) IRRATIC reading 32.4 to 65
used lowest 32.4 Probably closest to right

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	82	67	42	92 (3)	91	88	93
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	88	67	63	87	91	86	89
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	69	55	63	72	76	72	77
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	69	68	67	66	66	66	66
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	66	64	63	63	63	63	62
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	41	79	85	92	94	96	96
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	↓	↓	↓	↓	↓	↓	↓
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	↓	↓	↓	↓	↓	↓	↓
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	↓	↓	↓	↓	↓	↓	↓
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	↓	↓	↓	↓	↓	↓	↓
Ambient °F			21	19	10		23	32	24°
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓ (2)	✓	✓	✓	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: (1) INSTRUMENT O/S
(2) FLASHES INTERMITTENLY LEVEL, TRANSMITTER TR 31/ST/L13 O/S
(3) LED LIGHT IS VERY DIM; ALMOST NOT READABLE.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	AUTO	AUTO	AUTO	Auto	Auto	Auto
Primary Sump Pump TR31-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF (1)	NF	(1) NF	(1) NF	(1) NF	(1) NF	(1) NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7)(8)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: (1) INSTRUMENT O/S

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	OFF	OFF	OFF	OFF	OFF	ON

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	ON	ON	~~OFF~~ ON 11-24-10	ON	ON	ON	ON
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level.
(13): Setpoint approximately 12 inches increasing level.
(14): Setpoint approximately 6 inches decreasing level.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	Trench 31		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			23	7	0	0	0	0	0
Weekly Total									30
Average Daily Leak Rate		(14)(15)							4.28 DLR

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y (1)	Y (1)	Y (1)	(1) Y	(1) Y	(1) Y	(1) Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1580054	1580054	1580054	1580054	1580054	1580054	1580054
Gallons (previous day) [B]	N/A		1580054	1580054	1580054	1580054	1580054	1580054	1580054
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	0	0	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) SNOW

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		46.54	46.45	46.46	46.65	46.66	46.68	46.68
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		4779	4772	4772	4799	4799	4799	4799
Record previous day's volume (gallons) [F]	N/A		4832	4779	4772	4772	4799	4799	4799
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	-53	-7	0	27	0	0	0

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	14.06	16.16	17.74	19.13	20.24	21.33	22.29
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		1012	1294	1538	1775	1967	2189	2429
Record previous day's volume (gallons) [H]	N/A		722	1012	1294	1538	1775	1967	2189
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		290	282	244	237	192	222	240
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.4	10.4	10.41	10.36	10.36	10.42	10.41
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		268	268	268	265	265	268	268
Record previous day's volume (gallons) [J]	N/A		268	268	268	268	265	265	268
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		0	0	0	-3	0	+3	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	0	-3	0	+3	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	1	1	1	1	1	1	1
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	95.9	96.2	84.4	91.6	100.9	105.2	101.70
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	75.6	60.9	64.8	73.8	82.7	81.4	83.50
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	66.0	65.4	65.0	65.1	66.2	67.2	67.40
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	66.0	65.6	~~102.6~~ 65.2	65.4	66.4	67.1	67.40
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	108.7	98.7	107.1	108.2	113.0	115.5	114.30
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	108.2	87.1	102.6	109.2	113.0	117.5	~~115.70~~ 115.20
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	67.5	61.1	65.9	59.5	73.5	80.6	~~75.80~~ 75.20
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	59.6	53.5	52	53.2	59.0	62.9	~~60.00~~ 61.40
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	70.0	62.6	65	67.1	67.1	65.0	~~65.80~~ 66.0
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	60.6	57.1	42	52.9	65.0	70.2	65.9
Ambient °F			22	19	10	20	24	33	36 / 26 Down
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	2	2	2	2	2	2	2
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	NF ✓	NF ✓	NF ✓	NF ✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/pulbicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: 1 BAD READING
2 TR34-PS-P1 HIGH START LIGHT IS OUT.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	AUTO	AUTO	AUTO	Auto	Auto	Auto
Primary Sump Pump TR34-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	N/F	NF	N.F	N.F	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OKR
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OKR
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	1	1	1	1	1	1	1
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OKR
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OKR
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OKR
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OKR

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: 1 BURNED OUT

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	Trench 34		11/22/10	11/23/10	11/24/10	11/25/10	11/26/10	11/27/10	11/28/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			~~0~~	~~0~~	~~0~~	-3	~~0~~	~~0~~	~~0~~
Weekly Total									-3
Average Daily Leak Rate		(14)(15)							-.428 ALR

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: 11/22/10 Date Ending: 11/28/10

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	P. CAREY		M.J. NELSON		M.J. NELSON		M.J. NELSON		G.F. Gilmour		G.F. Gilmour		T.D. GRANT	
	Sign	P. Carey		M.J. Nelson		M.J. Nelson		M.J. Nelson		M.J. Nelson		M.J. Nelson		T.D. Grant	
	Date/Time	11-22-10	1500	11-23-10	1290	11-24-10	1410	11-25-10	1420	11-26-10	1005	11-27-10	0954	11/28/10	1010
Reviewed By:	Print	J.M. PETTY		J.M. PETTY		J.M. PETTY		J.M. PETTY		SL Carmichael		SL Carmichael		SL Carmichael	
	Sign	J.M. Petty		J.M. Petty		J.M. Petty		J.M. Petty		SL Carmichael		SL Carmichael		SL Carmichael	
	Date/Time	11/22/10	1630	11/23/10	1445	11/24/10	1450	11/25/10	1500	11-26-10	1606	11-27-10	1633	11-28-10	1348

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y (1)	Y (1)	Y (1)	Y (1)	(1) Y	(1) Y	(1) Y
Does leachate tank or tank piping show leaks? Y/N	N		✓	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		✓	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		✓	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2565368	2565368	2565368	2565368	2565368	2565368	2565368
Gallons (previous day) [B]	N/A		2565368	2565368	2565368	2565368	2565368	2565368	2565368
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	0	0	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) SNOW

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	50799	50799	50799	50799	50799	50799	50799
Gallons (previous day) [D]	N/A		50799	50799	50799	50799	50799	50799	50799
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		(1)	(1)	(1)	46.9	(1)	(1)	(1)
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		↓	↓	↓	4832	↓	↓	↓
Record previous day's volume (gallons) [F]	N/A		↓	↓	↓	?	↓	↓	↓
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	↓	↓	↓	?	↓	↓	↓

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM.*

Remarks: (1) ERRATIC READING

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	31.15	31.3	31.53	31.74	32.07	32.18	32.36
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		5581	5692	5803	5913	6114	6168	6277
Record previous day's volume (gal) [H]	N/A		6277	5581	5692	5803	5913	6114	6168
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		-688	-111	+111	110	+201	+54	+109
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	12.15	12.15	12.15	12.15	12.18	12.15	12.15
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		331	331	331	331	338	338	338
Record previous day's volume (gal) [J]	N/A		331	331	331	331	331	338	338
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		0	0	0	0	+7	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	0	0	+7	0	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	93	94	PC 12-1-10 ~~8~~95	98	78	92	(2)
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	57	87	89	86	64	85	↓
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	75	80	80	83	67	70	↓
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	65	65	65	65	65	65	↓
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	62	62	62	62	62	62	↓
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	95	96	96	100	98	91	↓
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	(1)	(1)	(1) O/S	(1) O/S	(1) O/S	O/S	O/S
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	O/S	O/S	↓	↓	↓	↓	↓
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)			↓	↓	↓	↓	↓
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)			↓	↓	↓	↓	↓
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)		↓	↓	↓	↓	↓	↓
Ambient °F			26°	29°	29°	33°	26°	28°	32°
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: (1) MWT aware

(2) #5 is in alarm

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	Auto	AUTO	Auto	Auto	Auto	Auto
Primary Sump Pump TR31-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7)(8)(16)	OFF	(1) OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: (1) Alarm comes in & goes off

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	off	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	off	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	off	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	off	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	off	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	ON	ON	ON	ON	ON	ON	ON

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	**Trench 31**		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	ON	ON	ON	ON	ON	ON	ON
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level.*
(14): Setpoint approximately 6 inches decreasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	**Trench 31**		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	+7	0	0
Weekly Total									+7
Average Daily Leak Rate		(14)(15)							+1

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	(1) Y	(1) Y
Does leachate tank or tank piping show leaks? Y/N	N		✓	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		✓	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		✓	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1580054	1580054	1580054	1580054	1580054	1580054	1580054
Gallons (previous day) [B]	N/A		1580054	1580054	1580054	1580054	1580054	1580054	1580054
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	0	0	0	0	1580054

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) SNOW

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		46.50	46.77	46.64	46.96	46.63	46.63	46.77
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		4779	4819	4792	4845	4792	4792	4819
Record previous day's volume (gallons) [F]	N/A		4799	4779	4819	4792	4845	4792	4792
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	0	40	-27	+53	-53	0	+27

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	23.10	23.8	24.58	25.21	25.94	26.46	27.13
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		2645	2839	3077	3260	3474	3664	3860
Record previous day's volume (gallons) [H]	N/A		2429	2645	2839	3077	3260	3474	3664
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		117	194	238	183	+214	+190	+196
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.41	10.41	10.38	10.4	10.44	10.42	10.41
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		268	268	268	268	268	268	268
Record previous day's volume (gallons) [J]	N/A		268	268	268	268	268	268	268
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		0	0	0	0	0	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	0	0	0	0	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	(1)	78.5 (?)	(1)	(1)	(1)	(1)	(1)
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	94.5	98.3	98.6	105	98.1	102.1	107.9
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	79.9	82.4	83.7	88	68.0	78.2	86.3
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	67.5	67.7	68.0	69	69.1	69.4	70.0
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	67.6	67.7	68.0	69	69.3	69.5	70.0
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	113.6	113.6	115.1	118	111.1	112.1	114.7
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	115.1	113.5	116.3	117	100.9	109.3	116.0
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	72.7	76.1	73.5	79	68.0	73.7	76.0
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	59.8	61.0	60.9	65	61.0	62.5	64.2
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	62.1	64.5	66.2	64	64.4	63.0	65.0
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	60.9	66.3	62.7	71	62.8	68.5	71.2
Ambient °F			26.1	29°	30°	34°	33.8	36.2	46.3
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/pulbicdata.cfm

(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: (1) O/S (2) High START Light on TR34-SP-LI-1 BURNT OUT

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	**Trench 34**		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	Auto	AUTO	Auto	Auto	Auto	Auto
Primary Sump Pump TR34-PS-P1	OFF	(16)	OFF	off	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	OFF	off	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	OFF	off	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	off	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	OFF	off	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	OFF	OFF	P.C. 12-1-10 ~~OFF~~ (1)	(1)	(1)	(1)	(1)
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	~~(1)~~ P.C. 12-1-10 OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: (1) LIGHT BURNED OUT

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level.
(13): Setpoint approximately 12 inches increasing level
(14): Setpoint approximately 6 inches decreasing level.
(16): Write switch position (ON/OFF) in box for that day.

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	**Trench 34**		11-29-10	11-30-10	12-01-10	12-02-10	12-03-10	12-04-10	12-05-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: 11-29-10 Date Ending: 12-05-10

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	SL BURT		BJ Dabling		P. CAREY		L Rains		Mike Garity		Mike Garity		Mike Garity	
	Sign	SL Burt		BJ Dabling		P. Carey		[illegible]		[illegible]		[illegible]		[illegible]	
	Date/Time	11-29-10	1033	11/30/10	1310	12-1-10	1530	12-2-10	1230	12-3-10	1045	12-4-10	0901	12-5-10	1100
Reviewed By:	Print	R.A. Wahlquist		R.A. Wahlquist		R.A. Wahlquist		R.A. Wahlquist		R.A. Wahlquist		SL Carmichael		SL Carmichael	
	Sign	Roger Wahlquist		Roger Wahlquist		Roger Wahlquist		Roger Wahlquist		Roger Wahlquist		SL Carmichael		SL Carmichael	
	Date/Time	11/29/10	1230	11/30/10	1325	12/1/10	1615	12/2/10	1345	12/3/10	1430	12-4-10	1552	12-5-10	1410

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (2)	Y (2)	Y (1)
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	No	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	No	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	No	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2565368	2565368	2565368	2565368	2565368	2,565,368	2,565,368
Gallons (previous day) [B]	N/A		2565368	2565368	2565368	2565368	2565368	2565368	2,565,368
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	0	0	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) SNOW

(2) Melting Snow

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	50799	50799	50799	50799	50,799	50,799	50,799
Gallons (previous day) [D]	N/A		50799	50799	50799	50799	50799	50,799	50,799
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Leachate Tank Digital Indicator, TR31-ST-LI-3							46.4 (1)		
Current level (inches)	N/A		(1)	46.2	46.5	(1)	~~33.74~~	46.3	46.4
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		↓	4739	4779	(1)	(1) 12/10/10 4,766 (1)	4,753	4,766
Record previous day's volume (gallons) [F]	N/A		↓	?	4739	4779	(1) N/A	4,766	4,753
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	↓	NA Today	+40	(1)	(1) N/A	- 13	+13

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) ERRATIC READING

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	32.57	32.74	32.88	33.04	33.74	34.02	34.57
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		6386	12/14 6440 ~~12/15 6560~~	6550	6604	6996	7,164	7,503
Record previous day's volume (gal) [H]	N/A		6277	6386	6440	6550	6604	6,996	7,164
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		109	12/17 ~~+174~~ +54	+ 110	+ 54	+392	+168	+339
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	12.18	12.21	12.2	12.2	12.2	12.2	12.17
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		338	338	338	338	338	338	338
Record previous day's volume (gal) [J]	N/A		338	338	338	338	338	338	338
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	Ø	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	Ø	Ø

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	2	2	2	2	O/S 1	O/S 1	O/S 1
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)					2	2	2
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	O/S 1	O/S 1	O/S 1	O/S 1			
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)							
Ambient °F			26°	29°	31°	44	41°	31°	43°
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: 1 MWT AWARE 2 #5 IS IN ALARM

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	Auto	Auto	Auto	Auto	Auto	Auto
Primary Sump Pump TR31-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	n/F	n/F	n/F
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7)(8)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	On	On	On
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	ON	ON	ON	ON	On	On	On

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	ON	ON	ON	ON	On	on	On
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level.*
(14): Setpoint approximately 6 inches decreasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	**Trench 31**		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y (1)	Y (1)	(1) Y	(1) Y	Y (2)	Y (2)	Y (1)
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	n	n
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	n	n
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	n	n
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1580054	1580054	1580054	1582501	1582501	1,582,501	1,582,501
Gallons (previous day) [B]	N/A		1580054	1580054	1580054	1580054	1582501	1582501	1,582,501
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	0	2447	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) SNOW

(2) Melting Snow

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6,977	6,977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6,977	6,977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		46.53	46.59	46.96	66.78	66.58	66.32	66.42
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		4779	4792	4845	7385	7361	7,324	7336
Record previous day's volume (gallons) [F]	N/A		4819	4779	4792	4845	7385	7361	7,324
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	-40	+13	+53	+2540	-24	-37	+12

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	27.76	28.37	29.00	18.73	20.64	22.26	23.40
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		4112	4355	4611	1700	2044	2429	2728
Record previous day's volume (gallons) [H]	N/A		3860	4112	4355	4611	1700	2044	2429
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		252	243	256	2911	+344	+385	+299
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.44	10.45	10.46	10.46	10.45	10.5	10.48
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		268	268	273	273	273	273	273
Record previous day's volume (gallons) [J]	N/A		268	268	268	273	273	273	273
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		Ø	Ø	+ 5	Ø	Ø	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	+ 5	Ø	Ø	Ø	Ø

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	① O/S	① O/S	① O/S	① O/S	① O/S	① O/S	O/S ①
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	98.8	98.5	99.8	105.0	109.4°	100.4°	99.3°
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	81.9	69.10	86.7	70.1	87.6°	81.1°	73.4°
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	70.0	70.10	70.8	65.5	65.9°	65.9°	66.2°
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	70.2	70.4	70.9	66.5	66.7°	66.7°	66.9°
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	116.0	111.9	116.60	116.0	117.8°	115.5°	111.1°
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	117.4	100.9	117.70	117.4	118.9°	103.9°	99.6°
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	78.1	71.3	79.0	81.2	81.0°	76.9°	70.4°
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	63.4	61.9	64.5	65.9	68.2°	74.3°	63.6°
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	63.6	64.5 ~~64.5~~ ~~61.9~~ 12/7	63.0	62.2	63.9°	65.8	63.4°
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	61.9	63.5 ~~64.5~~ 12/7	65.3	73.8	72.6°	63.8°	65.7°
Ambient °F			28°	33° / 30°	34	50.2	43°	~~65.8°~~ 33.7° 12/11/10	34.5°
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	②	②	②	②	②	②	②
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/pulbicdata.cfm

(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① O/S ② HIGH START LIGHT ON TR34-SP-LI-1 BURNED OUT

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	Auto	Auto	Auto	Auto	Auto	Auto
Primary Sump Pump TR34-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	n/F	n/F	n/F
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: (1) LIGHT BURNED OUT

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	Trench 34		12/06/10	12/07/10	12/08/10	12/09/10	12/10/10	12/11/10	12/12/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			Ø	Ø	+ 5	Ø	Ø	Ø	Ø
Weekly Total									+ 5
Average Daily Leak Rate		(14)(15)							0.71

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 | **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: **12/06/10** | Date Ending: **12/12/10**

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	P. CAREY		KD GRANT		Terry L. ALLEN		Terry L. ALLEN		L INGRAM		L INGRAM		L INGRAM	
	Sign	P. Carey		KD Grant		Terry Allen		Terry Allen		[signature]		[signature]		[signature]	
	Date/Time	12-6-10	1435	12/7/10	1430	12/08/10	1000	12/09/10	1050	12/10/10	1130	12/11/10	1300	12/12/10	1200
Reviewed By:	Print	SL Carmichael		S. Bright		SL Carmichael		SL Carmichael		J M PETTY		J M PETTY		J M PETTY	
	Sign	SL Carmichael		[signature]		SL Carmichael		SL Carmichael		[signature]		[signature]		[signature]	
	Date/Time	12-6-10	1448	12/7/10	1612	12-8-10	1605	12-9-10	1442	12/10/10	1610	12/11/10	1455	12/12/10	1415

Remarks:

Before each use, ensure this copy is the most current version.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y ①	N	N	N	N	Y ①	Y ①
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	② 2567501	2568888	2568888	2568888	2570922	2570922	2570922
Gallons (previous day) [B]	N/A		2565368	2567501	2568888	2568888	2568888	2570922	2570922
Difference between current and previous day: [A] - [B] (gallons)	N/A		② 2,133	1,387	Ø	Ø	2034	Ø	Ø

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① SNOW MELT

② Pumping Sump in progress

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	50799	50799	50799	50799	50799	50799	50799
Gallons (previous day) [D]	N/A		50799	50799	50799	50799	50799	50799	50799
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		(1) 35.6	O/S (2)	O/S (2)	O/S (2)	O/S (2)	O/S (2)	O/S (2)
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		3359	(2)	(2)	(2)	(2)	(2)	2
Record previous day's volume (gallons) [F]	N/A		4766	(2)	(2)	(2)	(2)	(2)	2
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	(1) —1407	(2)	(2)	(2)	(2)	(2)	2

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM.*

Remarks: (1) Pumping in progress

(2) Not working O/S

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	① 30.26	28.00	28.75	29.2	22.90	23.66	24.44
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		5214	4291	4560	4757	2671	2892	3090
Record previous day's volume (gal) [H]	N/A		7503	5214	4291	4560	4757	2671	2892
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		-2289	-923	269	197	-2086	221	198
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	12.18	12.18	12.16	12.23	12.22	12.23	12.22
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		338	338	338	338	338	338	338
Record previous day's volume (gal) [J]	N/A		338	338	338	338	338	338	338
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		0	0	0	0	0	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	0	0	0	0	0
*(4): If greater than limit, **NOTIFY** SOM.*									

Remarks: ① SUMP PUMPING IN PROGRESS

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	✓	✓	✓	✓	✓	✓	✓
Ambient °F			48	46	32	33	33	32	30
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① MWT AWARE

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	Auto	AUTO	AUTO	Auto	Auto	Auto
Primary Sump Pump TR31-PS-P1	OFF	(16)	OFF	off	OFF	OFF	Off	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	OFF	off	OFF	OFF	Off	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	OFF	off	OFF	OFF	Off	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	N/F	N/F	N/F	N/F	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	off	OFF	OFF	Off	0 ~~OFF~~ ON	ON
High tank level	Verify red indicating light Off	(7)(8)(16)	OFF	off	OFF	off	off	0 12-18-10 ON ~~OFF~~	ON

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: (1) OUT OF SERVICE

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	off	OFF	OFF	off	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	off	OFF	OFF	off	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	off	OFF	OFF	off	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	off	OFF	OFF	off	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	off	OFF	OFF	off	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	off	OFF	OFF	off	OFF	OFF

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	**Trench 31**		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	off	off	off	Off	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	off	off	off	off	off	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	off	off	off	Off	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	ON	ON	ON	ON	ON	ON	ON
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	off	off	off	off	Off	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level.*
(14): Setpoint approximately 6 inches decreasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	**Trench 31**		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y ①	N	N	N	N	Y ①	Y ①
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1582501	1582501	1582501	1582501	1582501	1582501	1582501
Gallons (previous day) [B]	N/A		1582501	1582501	1582501	1582501	1582501	1582501	1582501
Difference between current and previous day: [A] - [B] (gallons)	N/A		Ø	Ø	Ø	Ø	Ø	Ø	Ø

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.
*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① MELTING SNOW

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		67.0	67.0	67.0	66.89	66.56	66.1	66.2
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		7409	7409	7409	7409	7361	7300	7312
Record previous day's volume (gallons) [F]	N/A		7336	7409	7409	7409	7409	7361	7300
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	73	Ø	Ø	Ø	-48	-61	+12

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	25.82	27.40	28.76	29.94	30.80	31.69	32.33
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		3443	3968	4483	5048	5414	5830	6124
Record previous day's volume (gallons) [H]	N/A		2728	3443	3968	4483	5048	5414	5830
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		715	525	515	565	366	416	294
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.43	10.50	10.42	10.43	10.47	10.53	10.45
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		273	273	273	273	273	273	273
Record previous day's volume (gallons) [J]	N/A		273	273	273	273	273	273	273
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	Ø	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	Ø	Ø
*(4): If greater than limit, **NOTIFY** SOM.*									
Remarks:									

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	0/S (1)	0/S (1)	0/S (1)	0/S (1)	0/S (1)	0/S (1)	0/S (1)
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	54.8	106	105	100	103	102	104
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	64.5	82	84	71	71	72	76
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	66.8	67	67	67	68	68	69
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	66.9	68	68	68	69	69	69
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	82.5	112	114	110	111	111	115
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	79.9	110	117	101	97	109	112
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	61.5	78	78	90	72	71	73
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	60.7	67	66	64	65	63	64
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	66.8	64	62	64	61	63	63
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	79.2	72	73	72	70	68	67
Ambient °F			46	46	26	32	33	32	30
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/pulbicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: (1) 0/S

(2) HIGH START LAMP BURNED OUT ON TR34-SP-LI-1

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	**Trench 34**		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	Auto	AUTO	AUTO	Auto	AUTO	Auto
Primary Sump Pump TR34-PS-P1	OFF	(16)	OFF	off	OFF	off	Off	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	off	off	off	off	Off	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	off	off	off	off	Off	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	N/F	N/F	N/F	N/F	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	off	off	off	off	Off	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	off	off	off	off	Off	OFF	OFF

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	**Trench 34**		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	off	off	off	off	off	OFF	OFF
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	off	off	off	off	off	OFF	OFF
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	off ①	off ①	off ①	off ①	off ①	OFF ①	①
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	off	off	off	off	off	OFF	OFF
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	off	off	off	off	off	OFF	OFF
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	off	off	off	off	off	OFF	OFF
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	off	off	off	off	off	OFF	OFF

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: ① NEEDS NEW LAMP

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	**Trench 34**		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	off	OFF	off	Off	OFF	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	off	OFF	off	Off	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	off	OFF	off	Off	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	off	OFF	off	off	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	off	OFF	off	off	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	**Trench 34**		12-13-10	12-14-10	12-15-10	12-16-10	12-17-10	12-18-10	12-19-10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: **12-13-2010** Date Ending: **12-19-2010**

Days		Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
Performed By:	Print	Blankenship	Gw. Cooper	Blankenship	Blankenship	Kim Arnotis	LR Sims	LR Sims
	Sign	[illegible]	G.W. Cooper	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
	Date/Time	12/13/10 1410	12/14/10 1050	12/15/10 1335	12/16/10 1325	12/17/10 1412	12/18/10 1508	12/19/10 1010
Reviewed By:	Print	S. Biddle	BBiddle	BBiddle	BBiddle	R.A. Wahlquist	R.A. Wahlquist	R.A. Wahlquist
	Sign	[illegible]	BBiddle	BBiddle	BBiddle	Roger Wahlquist	Roger Wahlquist	Roger Wahlquist
	Date/Time	12/13/10 1612	12/14/10 1433	12/15/10 1649	12/16/10 1600	12/17/10 1450	12/18/10 1515	12/19/10 1240

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y (1)	Y (1)	Y (1) (2)	Y (1)	Y (1)	Y (1)	(1) Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2570922	2570922	2570922	2570922	2570922	2570922	2570922
Gallons (previous day) [B]	N/A		2570922	2570922	2570922	2570922	2570922	2570922	2570922
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	0	0	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) Snow And ICE and water.
(2) Snowing.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	50799	50799	50799	50799	50799	50799	50799
Gallons (previous day) [D]	N/A		50799	50799	50799	50799	50799	50799	50799
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~0~~
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		O/S (1)	O/S (1)	O/S (1)	O/S (1)	O/S (1)	O/S (1)	48.3
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		(1)	(1)	(1)	(1)	(1)	(1)	(1)
Record previous day's volume (gallons) [F]	N/A		(1)	(1)	(1)	(1)	(1)	(1)	(1)
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM.*

Remarks: (1) Not working. O/S. MWT Aware.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	25.2	26.24	27.11	27.60	28.75	29.30	29.6
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		3322	3671	3954	4141	4560	4798	4919
Record previous day's volume (gal) [H]	N/A		3090	3322	3671	3954	4141	4560	4798
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+232	+349	+283	+187	+419	+238	+121
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	12.24	12.24	12.22	12.19	12.18	12.19	12.18
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		338	338	338	338	338	338	338
Record previous day's volume (gal) [J]	N/A		338	338	338	338	338	338	338
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		0	0	0	0	0	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	0	0	0	0	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	(1) O/S	(1) O/S	(1) O/S	(1) O/S	(1) O/S	(1) O/S	(1) O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	↓	↓	↓	↓	↓	↓	↓
Ambient °F			31	31	29	30	36	32	31
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	(2) ON	ON (2)	ON (2)	ON (2)	ON (2)	ON (2)	ON (2)

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: (1) MWT AWARE.
(2) Due TO Leachate TAnk, Level indicator O/S.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	Auto
Primary Sump Pump TR31-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	Flashing (1)	(1) Flashing	(1) Flashing	(1) Flashing	(1) FLASHING	(1) FLASHING	Flashing
Roof Indicator INDICATOR ON	OFF	(16)	ON (1)	(1) ON	(1) ON	(1) ON	(1) ON	(1) ON	ON
High tank level	Verify red indicating light Off	(7)(8)(16)	ON (1)	(1) ON	(1) ON	(1) ON	(1) ON	(1) ON	ON

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: (1) Due to out of Service of Leachate Tk. TR31-ST-LI-3

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	ON	ON	ON	ON	ON	ON	ON
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level.
(13): Setpoint approximately 12 inches increasing level.
(14): Setpoint approximately 6 inches decreasing level.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	Trench 31		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Weekly Total									Ø
Average Daily Leak Rate		(14)(15)							Ø

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y (1)	Y (1)	Y (1) (2)	Y (1)	Y (1)	Y (1)	Y (1)
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1582501	1582501	1582501	1582501	1588765	1588765	1588765
Gallons (previous day) [B]	N/A		1582501	1582501	1582501	1582501	1582501	1588765	1588765
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	0	0	(3) 6264	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks:

(1) Snow and ICE and WATER

(2) snowing.

(3) Pump Primary sump to Leachate tk 12 23 10

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		66.15	66.51	66.08	66.17	(1) 62.21	61.97	62.1
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		7312	7349	7300	7312	6819	6794 ~~6824~~	6807
Record previous day's volume (gallons) [F]	N/A		7312	7312	7349	7300	7312	6819	6794
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	0	+37	-49	+12	-493	-55	+13

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM*

Remarks: * Transferred Leachate TC to Tankers, then Primary Sump back to Leachate Tank. [illegible] 12/23/10

(1) TRANSFERED TO BEALE TKR AND THEN PUMPED PRIMARY SUMP 12-23-10

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	33.16	34.06	35.10	35.89	(1) 14.54	20.53	24.0
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		6592	7076	7627	8111	1066	2025	2894
Record previous day's volume (gallons) [H]	N/A		6124	6592	7076	7627	8111	1066	2025
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+468	+484	+551	+484	-7,045	+959	+869
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.48	10.46	10.45	10.45	10.43	10.48	10.46
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		273	273	273	273	273	273	273
Record previous day's volume (gallons) [J]	N/A		273	273	273	273	273	273	273
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		0	0	0	0	0	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	0	0	0	0	0

*(4): If greater than limit, **NOTIFY** SOM.* (1) PUMPED TO LEACHATE TK 12-23-10

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S (1)	O/S (1)	O/S (1)	O/S (1)	O/S (1)	O/S (1)	O/S (1)
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	97.4	99.1	99.1	102.5	101.8	100.5	91.8
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	83.5	84.3	85.6	90.4	86.0	87.5	75.9
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	68.6	68.8	69.1	69.4	61.9	62.6	63.8
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	69.3	69.6	69.7	70.0	62.9	63.4	64.5
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	117.5	117.4	115.7	119.2	114.3	118.4	114.0
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	118.2	118.5	116.1	120.4	117.5	121.9	117.2
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	78.2	76.8	75.8	79.0	78.9	78.0	75.1
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	65.1	64.4	63.2	65.5	64.5	64.3	64.5
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	63.4	62.1	63.9	62.2	61.9	65.9	60.0
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	65.3	62.9	63.8	66.3	66.8	65.2	72.6
Ambient °F			32.4	30.1	31.0	38.4	35.2	36.8	33
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	(2)	(2)	(2)	(2)	(2)	(2)	(2)
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/pulbicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: (1) O/S

(2) primary submersible sump pump TR34-SP-P1 High Start set point Burned out, MWT maint notified on 12/22/10 [illegible]

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	Auto
Primary Sump Pump TR34-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	N/F	N/F	N/F	N/F	N/F	N/F	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 | Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	(1) OFF	(1) OFF	(1) OFF	(1) OFF	(1) OFF	(1) OFF	OFF
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	(2) OFF	(2) OFF	ON	ON	OFF	OFF	OFF

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:
(1) Burned out. MWT personnel aware
(2) Should be ON. MWT personnel aware

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	12/22/10 OFF ~~OFF~~	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	**Trench 34**		12/20/10	12/21/10	12/22/10	12/23/10	12/24/10	12/25/10	12/26/10
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: 12/20/10 Date Ending: 12/26/10

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	Roy Ingram		Roy Ingram		Roy Ingram		Roy Ingram		SLBURT		SLBURT		Jeff Conway	
	Sign	Roy Ingram		Roy Ingram		Roy Ingram		Roy Ingram		SLBurt		SLBurt		Jeff Conway	
	Date/Time	12-20-10	0945	12-21-10	0945	12-22-10	1015	12-23-10	0835	12-24-10	0945	12-25-10	0910	12-26-10	0945
Reviewed By:	Print	J.M. Petty		J.M. Petty		J.M. Petty		J.M. Petty		SLCarmichael		SLCarmichael		SLCarmichael	
	Sign	J.M. Petty		J.M. Petty		J.M. Petty		J.M. Petty		SLCarmichael		SLCarmichael		SLCarmichael	
	Date/Time	12/21/10	1055	12/21/10	1515	12/22/10	1425	12/23/10	1345	12-24-10	1051	12-25-10	1105	12-26-10	1554

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	(1) Y	(1) Y	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2570922	2570922	2570922	2570922	2570922	2570922	2570922
Gallons (previous day) [B]	N/A		2570922	2570922	2570922	2570922	2570922	2570922	2570922
Difference between current and previous day: [A] - [B] (gallons)	N/A		Ø	Ø	Ø	-0-	Ø	Ø	Ø

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) Snow, ice & Rain

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	50799	50799	50799	50799	50799	50799	50799
Gallons (previous day) [D]	N/A		50799	50799	50799	50799	50799	50799	50799
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	0	Ø	Ø
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		48.8	①	①	48.8	49.3 ①	① ②	8.8 ①
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		①	①	①	①	①	①	①
Record previous day's volume (gallons) [F]	N/A		①	①	①	①	①	①	①
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	①	①	①	①	①	①	①

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM.*

Remarks: ① Level indicator O/S ② Filled Beatle Tanker to 50"/5000 gal on 1/1/11.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	30.11	30.46	32.09	33.17	33.78	(1) 34.30	(1) 34.67
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		5126	5304	6114	6716	6996	7334	7560
Record previous day's volume (gal) [H]	N/A		4919	5126	5304	6114	6716	6996	7334
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		207	178	810	602	280	338	226
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	12.22	12.22	12.23	12.19	12.17	12.16	12.15
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		338	338	338	338	338	338	338
Record previous day's volume (gal) [J]	N/A		338	338	338	338	338	338	338
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	0	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	0	Ø

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: (1) Som notified ~ Attempted to pump 1/2/11 but the Leachate Hi Level is locked in Falsely and pumps are interlocked. [illegible]

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	✓	✓	✓	✓	✓	✓	✓
Ambient °F			40	48	35	28	19	19	24
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	ON ②	ON ②	ON ②	ON ②	ON ②	ON ②	ON ②

(5): Trench 31 temps are taken locally.

(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① MWT aware

② Caused by Level indicator O/S

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	**Trench 31**		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	Auto	Auto	AUTO	AUTO	AUTO
Primary Sump Pump TR31-PS-P1	OFF	(16)	off	off	off	off	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	off	off	off	off	OFF	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	off	off	off	off	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	Flashing ①	Flashing ①	Flashing ①	Flashing ①	Flashing ①	Flashing ①	Flashing ①
Roof Indicator INDICATOR ON	OFF	(16)	ON ①	ON ①	ON ①	ON ①	ON ①	ON ①	OFF ①
High tank level	Verify red indicating light Off	(7)(8)(16)	ON ①	ON ①	ON ①	ON ①	ON ①	ON ①	ON ①

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: ① Caused by Level indicator O/S

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	**Trench 31**		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	Off	Off	Off	off	OFF	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	Off	Off	Off	off	OFF	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	Off	Off	Off	off	OFF	OFF	ON
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	Off	Off	Off	off	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	Off	Off	Off	off	OFF	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	Off	Off	ON	ON	ON	ON	ON

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	**Trench 31**		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	off	off	off	off	off	off
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	off	off	off	off	off	off	off
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	off	off	off	off	off	off
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	ON	ON	ON	on	ON	ON	ON
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	off	off	off	off	off	off	off

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level.*
(14): Setpoint approximately 6 inches decreasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	Trench 31		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			Ø	Ø	Ø	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	**Trench 34**		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y ①	Y ①	Y ①	Y ①	Y ①	Y ①	Y ①
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1588765	1588765	1589333	1589333	1589333	1589333	1590395
Gallons (previous day) [B]	N/A		1588765	1588765	1588765	1589333	1589333	1589333	1589333
Difference between current and previous day: [A] - [B] (gallons)	N/A		Ø	Ø	+ 568 ②	Ø	Ø	Ø	② 1062

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① Snow, water & ice

② Pumped up to leachate tank

Before each use, ensure this copy is the most current version.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	**Trench 34**		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	0	0	Ø	Ø
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		62.1	62.2	66.8	66.64	66.37	66.54	(5) 75.05
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		6807	6819	7385 ~~6819~~	7361	7336	7336	8328
Record previous day's volume (gallons) [F]	N/A		6807	6807	6819 ~~7385~~	7385	7361	7336	7336
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	Ø	+12	+566	-24	-25	Ø	992

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM*

Remarks: (5) Pumped up from Primary Sump ~~1/1/11~~ 1/1/11.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	26.46	28.50	30.19	32.73	34.39 *	36.31 ①	36.77 ②
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		3664	4397	5139	6330	7512	8361	8678
Record previous day's volume (gallons) [H]	N/A		2894	3664	4397	5139	6330	7512	8361
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		770	733	742	+ 1191	1182	849	317
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.50	10.48	10.51	10.45	10.47	10.46	10.46
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		273	273	273	273	273	273	273
Record previous day's volume (gallons) [J]	N/A		273	273	273	273	273	270	273
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	Ø	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	0	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: * SOM aware ① Pumped Primary Sump 1/1/11 to bring Leachate to 75% & Sump to 34."

② Beatle is to be transported & pumped Monday (1-3-11) then brought back to #34 so leachate can be lowered. BS

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 | **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	0/5 ①	0/5 ①	0/5 ①	0/5 ①	0/5 ①	0/5 ①	0/5 ①
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	104	78	103	98.0	99	97	98
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	81	75	65	64.5	78	67	68
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	65	65	65	65.1	65	64	64
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	65	65	66	65.9	66	65	65
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	119	114	111	105.9	109	106	109
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	122	119	106	95.3	109	106	108
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	78	73	72	65.1	70	64	67
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	66	65	65	60.2	58	56	58
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	63	66	63	59.8	63	59	59
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	73	75	71	65.1	67	61	61
Ambient °F			40	48	35	32	19	19	24
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	②	②	②	②	②	②	②
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/pulbicdata.cfm

(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① MWT aware

② TR 34-PS-P1 High start Light burned out

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	**Trench 34**		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	Auto	Auto	AUTO	AUTO	AUTO
Primary Sump Pump TR34-PS-P1	OFF	(16)	Off	Off	Off	off	off	off	off
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	Off	Off	Off	off	off	off	off
Secondary Sump Pump TR34-SS-P3	OFF	(16)	Off	Off	Off	off	off	off	off
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	NF	NF	N/F
Roof Indicator INDICATOR ON	OFF	(16)	Off	Off	Off	off	off	off	off
High tank level	Verify red indicating light Off	(7,8,16)	Off	Off	Off	off	off	off	off

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	**Trench 34**		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	off	off	off	off	off	off	off
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	off	off	off	off	off	off	off
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	(1) off	(1) off	(1) off	(1) off	(1) off	(1) off	(1) off
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	off	off	off	off	off	off	off
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	off	off	off	off	off	off	off
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	off	off	off	off	off	off	off
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	off	off	off	off	ON	ON	ON

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: (1) Light burned out

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	**Trench 34**		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	off	off	off	off	off	off
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	off	off	off	off	off	off	off
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	off	off	off	off	off	off
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	off	off	off	off	off	off	off
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	off	off	off	off	off	off	off

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	**Trench 34**		12-27-10	12-28-10	12-29-10	12-30-10	12-31-10	01-01-11	01-02-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			Ø	Ø	Ø	Ø	Ø	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: 12-27-2010

Date Ending: 01-02-2011

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	Kim Arnatis		Kim Arnatis		Kim Arnatis		Lee Schooley		[illegible]		[illegible]		[illegible]	
	Sign	[illegible]		[illegible]		[illegible]		Lee Schooley		[illegible]		[illegible]		[illegible]	
	Date/Time	12/27/10	1542	12/28/10	1552	12/29/10	1340	12/30/10	1015	12/31/10	1503	1/1/11	1553	1/2/11	1556
Reviewed By:	Print	R.A. Wahlquist		R.A. Wahlquist		R.A. Wahlquist		R.A. Wahlquist		B Biddle		B Biddle		B Biddle	
	Sign	Roger Wahlquist		Roger Wahlquist		Roger Wahlquist		Roger Wahlquist		B Biddle		B Biddle		B Biddle	
	Date/Time	12/27/10	1635	12/28/10	1635	12/29/10	1555	12/30/10	1550	12/31/10	1600	1/01/11	1630	1/2/11	1610

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2590922	2590922	2575927	2575927	2575927	2575927	2575927
Gallons (previous day) [B]	N/A		2570922	2570922	2570922	2575927	2575927	2575927	2575927
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	5005	0	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) SNOW or ICE

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	50799	50799	50799	50799	50799	50799	50799
Gallons (previous day) [D]	N/A		50799	50799	50799	50799	50799	50799	50799
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		(1) 8.7	(1) 8.4	(1) 44	(1) 70	(1) ?	(1) 48.3	(1)
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		(1)	(1)	(1)	(1)	(1)	(1) 5017	(1)
Record previous day's volume (gallons) [F]	N/A		(1)	(1)	(1)	(1)	(1)	(1)	(1)
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	(1)	(1)	(1)	(1)	(1)	(1)	(1)

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM.*

Remarks: (1) LEVEL INDICATOR O/S

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	**Trench 31**		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	35.00	22.30	24.09	25.47	26.83	28.00	29.21
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		7729	2521	3004	3414	3856	4291	2752
Record previous day's volume (gal) [H]	N/A		7560	7729	2521	3004	3414	3856	4291
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+169	-5208	+483	+410	+442	+435	
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	12.15	12.15	12.12	12.13	12.13	12.15	12.15
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		338	338	338	338	338	338	338
Record previous day's volume (gal) [J]	N/A		338	338	338	338	338	338	338
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		0	0	0	0	0	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	0	0	0	0	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	**Trench 31**		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S (1)	O/S (1)	O/S (1)	(1) O/S	(1) O/S	(1) O/S	(1) O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)				✓	✓	✓	✓
Ambient °F			✓	✓	✓ 28	29	22	38	32
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	(2) ON	(2) ON	(2) ✓	(2) ✓	(2) N/F	NF	NF

(5): Trench 31 temps are taken locally.

(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: (1) MWT AWARE (2) Caused by Level Indicator O/S

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	Auto	Auto	AUTO	AUTO	AUTO
Primary Sump Pump TR31-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	OFF	OFF	(1) OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	(1) FLASHING	(1) FLASHING	(1) NF	(1) NF	(1) NF	N.F	N.F
Roof Indicator INDICATOR ON	OFF	(16)	(1) ON	(1) ON	(1) OFF	(1) OFF	(1) NF	N.F	N.F
High tank level	Verify red indicating light Off	(7)(8)(16)	(1) ON	(1) ON	(1) OFF	(1) OFF	(1) NF	N.F	N.F

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: (1) Caused by Level indication O/S.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	**Trench 31**		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	ON	OFF ~~ON~~ 1-4-11	OFF	OFF	OFF	OFF	OFF

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	**Trench 31**		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	ON	ON	ON	ON	ON	ON	ON
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level.*
(14): Setpoint approximately 6 inches decreasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	Trench 31		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1590395	1596168	1596168	1596168	(2) 1596158	1596158	1602796
Gallons (previous day) [B]	N/A		1590395	1590395	1596168	1596168	1596158	1596158	1596158
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	5773	0	0	0	0	+ 06638

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) Snow, ice

(2) PREVIOUSLY MISREAD, "6" IS A "5"

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		75.27	66.51	66.95	50.05	26.80	27.00 (3)	64.39
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		8360	7349	7409	5254	2272	2296	7092
Record previous day's volume (gallons) [F]	N/A		8328	8360	7349	7409	5254	2272	2296
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	+32	-1011	+60	(1) -2155	(2) -2982	+24	(3) +4796

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM*

Remarks: (1) Transfer to tanker ongoing

(2) COMPLETED

(3) PUMPED 1-8-11 From Primary Sumps

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	38.08	26.95	30.12	32.41	30.02	32.17	(1) 16.42
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		9532	3824	5094	6176	5139	60.45	11 92
Record previous day's volume (gallons) [H]	N/A		8678	9532	3824	5094	6176	5139	6045
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+ 854	-5708	+1270	+1082	-1037	+914	47
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.46	10.46	10.47	10.44	10.44	10.47	10.49
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		273	273	273	273	273	273	273
Record previous day's volume (gallons) [J]	N/A		273	273	273	273	273	273	273
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		0	0	0	0	0	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	0	0	0	0	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: (1) Pumped to Leachate. TK on 1/8/11

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	0/S (1)	0/S (1)	0/S (1)	0/S (1)	(1) 0/S	(1) 0/S	(1) 0/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	94.8	97.0	103.4	102.9	(3) 104.6	103.2	102.6
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	67.5	80.2	86.1	78.4	(3) 90.2	74.1	75.6
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	61.5	61.6	62.1	68.1	(3) 70.7	71.1	62.2
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	62.6	62.7	63.1	69.7	(3) 72.1	71.6	63.3
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	88.7	109.9	115.2	91.3	(3) 116.5	115.9	114.5
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	88.4	112.8	118.6	91.2	(3) 119.9	118.8	113.3
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	70.3	68.8	73.0	76.4	(3) 79.0	77.3	77.0
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	65.8	58.1	60.9	64.5	(3) 64.3	64.1	64.1
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	59.9	63.3	58.8	58.0	(3) 59.1	63	60.3
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	59.9	57.4	65.3	71.5	(3) 69.0	73.5	67.9
Ambient °F			24.3	27.1	28	29	30	38	37.9
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	✓ (2)	✓ (2)	(2) ✓	(2) ✓	(2) ✓	(2) ✓	(2) ✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/pulbicdata.cfm

(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: (1) MWT AWARE (2) TR 34-B-P1 High Start Light BURNED OUT - MAINT Notified (3) ALL READINGS ARE "0"

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	Auto	Auto	AUTO	AUTO	AUTO
Primary Sump Pump TR34-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	**Trench 34**		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	(i)	(i)	(i)	(i)	(i)	(i)	(i)
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	ON	OFF	OFF	OFF	OFF	OFF	OFF

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: (i) LIGHT BURNED OUT

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	**Trench 34**		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	**Trench 34**		01-03-11	01-04-11	01-05-11	01-06-11	01-07-11	01-08-11	01-09-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 | **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: 01-03-2011 | Date Ending: 01-09-2011

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	Terry L. Allen		Terry L. Allen		G.F. Gilmour		G.F. Gilmour		J. M. Petty		M.J. NELSON		M.J. NELSON	
	Sign	[signature]		[signature]		[signature]		[signature]		[signature]		[signature]		[signature]	
	Date/Time	1/3/11	1700	1/4/11	1025	1/5/11	1848	1/6/11	0937	1/7/11	1325	1/8/11	11:00	1/9/11	1155
Reviewed By:	Print	Mike Guthrie		SL Carmichael		S. [illegible]	1-7-11	J. M. Petty ~~M.J. NELSON~~		M.J. NELSON		J. M. Petty		J. M. Petty	
	Sign	[signature]		[signature]		[signature]	1-7-11	[signature]		[signature]		[signature]		[signature]	
	Date/Time	1/3/11	1700	1-4-11	1557	1/5/11	1653	1/7/11	1325	1/7/11	1100	1/8/11	1515	1/9/11	1525

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	N	N	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2575927	2575927	2575927	2575927	2575927	2575927	2575927
Gallons (previous day) [B]	N/A		2575927	2575927	2575927	2575927	2575927	2575927	2575927
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	0	0	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: Tumbleweeds around and in tank containment

(1) SNOW

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	50799	50799	50799	50799	50799	50799	50799
Gallons (previous day) [D]	N/A		50799	50799	50799	50799	50799	50799	50799
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		0/S ①	48.1 S ① OT	48.8 ①	48.4 ①	①	①	①
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		↓	↓	↓	↓	↓	↓	↓
Record previous day's volume (gallons) [F]	N/A		↓	↓	↓	↓	↓	↓	↓
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	↓	↓	↓	↓	↓	↓	↓

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① LEVEL INDICATOR NOT WORKING ~ Level erratic and xmt still needs Replaced.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	30.11	30.93	31.84	32.75	33.99	35.09 (1)	36.56 (1)
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		5126	5482	5968	6495	7164	7787	8688
Record previous day's volume (gal) [H]	N/A		4757	5126	5482	5968	6495	7164	7787 ~~901~~ 1-16-
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+ 369	+ 356	+ 486	+ 527	+ 669	+ 623	901
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	12.11	12.12	12.12	12.13	12.12	12.11	12.13
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		331	331	331	331	331	331	331
Record previous day's volume (gal) [J]	N/A		338	331	331	331	331	331	331
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		- 7	Ø	Ø	Ø	Ø	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	Ø	Ø

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: (1) plan to pump it on 1/16/11

POP-SW-001

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	0/5 (1)	0/5 (1)	0/5 ~~0/5~~ (1) DT	0/5	0/5	0/5	0/5
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)			~~98.2~~ DT				
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)			~~68.8~~ DT				
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)			~~66.8~~ DT				
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)			~~68.8~~ DT				
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)			~~84.5~~ DT				
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)			~~79.9~~ DT				
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)			~~69.2~~ DT				
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)			~~65.0~~ DT				
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)			~~60.2~~ DT				
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)			~~60.1~~ DT				
Ambient °F			24°	21°F	28°	29	50	40	52
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: (1) MWT AWARE

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	**Trench 31**		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	Auto	AUTO	Auto	Auto	Auto	Auto
Primary Sump Pump TR31-PS-P1	OFF	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7)(8)(16)	OFF	OFF	OFF	off	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Before each use, ensure this copy is the most current version.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

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Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	ON	ON	ON	ON	ON	ON

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	off	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	ON	ON	ON	on	ON	ON	ON
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	off	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level.
(13): Setpoint approximately 12 inches increasing level.
(14): Setpoint approximately 6 inches decreasing level.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	**Trench 31**		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Before each use, ensure this copy is the most current version.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)	Y (1)
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1602796	1602796	1602796	1602796	1602796	1602796	1602796
Gallons (previous day) [B]	N/A		1602796	1602796	1602796	1602796	1602796	1602796	1602796
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	0	0	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) ICE & SNOW

Tumbleweeds Around And Inside Tank Containment

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		63.96	63.66	(1) 3.54	3.62	3.64	3.63	3.62
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		7043	7006	(1) 71	121	121	121	121
Record previous day's volume (gallons) [F]	N/A		7092	7043	7006	71	121	121	121
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	-49	-37	(1) -6935 ~~-7065~~ PC. 1-12-11	+ 50	Ø	Ø	Ø

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM*

Remarks: (1) PUMPED TO TANKER (1-11-11).

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	21.70	25.50	28.43	30.60	32.41	34.15 (1)	36.79 (1)
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		2281	3352	4355	5322	6176	7131	7458
Record previous day's volume (gallons) [H]	N/A		1329	2281	3352	4355	5322	6176	7131
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+952	+1071	+1003	+967	+854	+955	327
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.45	10.44	10.47	10.46	10.46	10.47	10.51
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		273	273	273	273	273	273	273
Record previous day's volume (gallons) [J]	N/A		273	273	273	273	273	273	273
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	Ø	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	Ø	Ø

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: (1) Plan to pump it on 1/16/11

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		1-10-11	1-11-11	1-12-11	1-13-11	1-14-11	1-15-11	1-16-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	OS	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	97.5	98.2	98.1	99.7	58.3	108	63
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	77.5	68.8	74.7	79.9	62.7	88.3	60
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	62.6	66.8	69.0	73.0	71.4	79.5	71
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	63.5	68.8	70.9	74.5	72	81	72
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	111.1	84.5	106.1	112.2	98.2	114	101
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	107.6	79.9	108.8	114.1	102.7	117	106
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	70.3	69.2	71.6	72.5	60.3	79.6	65
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	60.9	65.0	60.1	62.4	63.9	71	65
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	58.5	60.2	59.0	62.5	60.4	60	60
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	61.3	60.1	59.9	65.3	78.5	73	77
Ambient °F			25°	21° F	26°	33	52	42	64
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	①	①	①	①
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/pulbicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① TR34-PS-P1 High start light is out. LL MWT maint aware

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	Auto	AUTO	Auto	Auto	Auto	Auto
Primary Sump Pump TR34-PS-P1	OFF	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	OFF	OFF	OFF	off	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	(1)	(1)	(1)	(1)	(1)	(1)	(1)
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	OFF	OFF	off	OFF	OFF	ON ~~OFF~~ 1-16-1

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: (1) LIGHT BURNED OUT.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	off	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	off	OFF	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	off	OFF	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	off	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level.
(13): Setpoint approximately 12 inches increasing level
(14): Setpoint approximately 6 inches decreasing level.
(16): Write switch position (ON/OFF) in box for that day.

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	**Trench 34**		1/10/11	1/11/11	1/12/11	1/13/11	1/14/11	1/15/11	1/16/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: **Jan. 10, 2011** Date Ending: **Jan. 16, 2011**

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	P. CAREY		D Tyra		P. CAREY		Lee Schooley		LR Sims		LR Sims		LR Sims	
	Sign	P. Carey		D Tyra		P. Carey		Lee Schooley		LR Sims		LR Sims		LR Sims	
	Date/Time	1-10-11	1315	1-11-11	1500	1-12-11	1450	1-13-11	1106	1-14-11	1015	1-15-11	1030	1-16-11	1100
Reviewed By:	Print	BBiddle		BBiddle		BBiddle		RS Pavlina		R.A. Wahlquist		R.A. Wahlquist		R.A. Wahlquist	
	Sign	BBiddle		BBiddle		BBiddle		RS Pavlina		Roger Wahlquist		Roger Wahlquist		Roger Wahlquist	
	Date/Time	1/10/11	1603	1-11-11	1621	1/12/11	1537	1-13-11	1635	1/14/11	1625	1/15/11	1209	1/16/11	1330

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	(1)	(1)	(1)	N	(1) Rain water	(1)	(1) Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2578539	2580927	2580927	2580927	2584065	2584065	2584065
Gallons (previous day) [B]	N/A		2575927	2578539	2580927	2580927	2580927	2584065	2584065
Difference between current and previous day: [A] - [B] (gallons)	N/A		2612	2388	Ø	0	3138	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) Snow melt & rain water

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	50799	50799	50799	50799	50799	50799	50799
Gallons (previous day) [D]	N/A		50799	50799	50799	50799	50799	50799	50799
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		(i)	(i)	(i)	(i)	(i?) 41.2	(i)	(i)
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		↓	↓	↓	↓	↓	↓	↓
Record previous day's volume (gallons) [F]	N/A								
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	↓	↓	↓	↓	↓	↓	↓

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

All over today - → " LF
Indicator out buzzing
All off!

Remarks: (i) LEVEL INDICATOR NOT WORKING ~ LEVEL ERRATIC SOM AWARE

49

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	~~50.99~~ 33.3 BMD 1-17-11	29.18	30.97	32.48	25.73	28.43	30.60 *
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		6772	4757	5505	6332	3474	4406	5348
Record previous day's volume (gal) [H]	N/A		8688	6772	4757	5505	6332	3474	4406
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		-1916	-2015	748	827	-2858	+932	+942
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	12.08	12.03	12.0	12.08	12.05	12.03	12.03
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		331	331	324	331	324	~~340~~ 324 KPK 1-24-11	~~340~~ 324 KPK 1-24-11
Record previous day's volume (gal) [J]	N/A		331	331	331	324	331	324	~~340~~ 324
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		~~0~~	~~0~~	-7	+7	-7	KPK 1-24-11 0 ~~+22~~	KPK 1-24-11 ~~0~~
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal	(4)	~~0~~	~~0~~	~~0~~ -7 1-19-11	+7	-7	KPK 1-24-11 0 ~~+22~~	~~0~~

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: * Attempted to pump the primary sump to the leachate tank but the leachate tank high level alarm prevented the transfer. ARC 1-23-11

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S ①	O/S ①	O/S ①	O/S ①	OS ①	OS ①	O/S ①
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	✓	✓	✓	✓	✓	✓	✓
Ambient °F			56°	39°	35°	30	33°	44°	34
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	OFF must On w/ ECKLAIR TR31/ST/Ki/3

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① MWBT AWARE

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	Auto	AUTO	Auto	Auto	Auto
Primary Sump Pump TR31-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	N/F	N/F	NF	NF	N/F	N/F	N/F OFF/a
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF →
High tank level	Verify red indicating light Off	(7)(8)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF/ON

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	off	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	off	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	off	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	off	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	off	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	ON	OFF	ON	ON	OFF ~~ON~~	OFF	OFF

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	off	off	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	off	off	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	off	off	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	ON	ON	ON	ON	ON	ON	ON
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	off	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level.*
(14): Setpoint approximately 6 inches decreasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	Trench 31		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			~~0~~	~~0~~	-7	+7	-7	+22	~~0~~
Weekly Total									15
Average Daily Leak Rate		(14)(15)							2.14 gpd

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y ①	Y ①	① Y	① ~~N~~ 1-20-11	① Raining Y	Y	Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1609336	1609336	1609336	~~1609336~~ 1609757 1-20-11	1609757	1609757	1609757
Gallons (previous day) [B]	N/A		1602796	~~1602796~~ 1609336	1609336	1609336	1609757	1609757	1609757
Difference between current and previous day: [A] - [B] (gallons)	N/A		6540 ②	~~6540~~ 0	0	~~0~~ 1-20-11	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① Rain water ② pumped to leachate tk.
Tumbleweeds

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		64.08	63.32	63.16	4.51	4.51	4.64	4.49
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		7055	6956	6931	169	169	175	169
Record previous day's volume (gallons) [F]	N/A		121	7055	6956	6931	169	169	175
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	6934 ①	-99	-25	-6762	0	6	-6

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM*

Remarks: ① Pumped ~~to Tanker~~ from Primary Sump 1-17-11

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	20.5	25.41	28.68	30.12	32.18	34.03	35.78 (1)
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		1939	3321	4440	5094	6073	7022	8050
Record previous day's volume (gallons) [H]	N/A		7458	1939	3321	4440	5094	6073	7022
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		5519	1382	1119	654	979	949	1028
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.46	10.45	10.44	10.45	10.45	10.43	10.48
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		273	273	273	273	273	268	273
Record previous day's volume (gallons) [J]	N/A		273	273	273	273	273	273	268
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		0	0	0	0	0	-5	+5
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	0	0	0	-5	+5

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: (1) Pump primary sump to leachate tank in the afternoon. MC 1-23-11

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	58.4	106.1	50.6	102.5	104.4	60.4	106.4
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	62.4	82.9	58.2	82.5	90.5	71.7	86.6
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	60.7	61.3	64.1	73.0	77.6	76.4	78.1
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	61.2	62.4	64.5	74.6	79.0	77.2	79.8
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	73.5	114.6	64.8	111.1	118.80	105.3	116.3
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	73.2	114.8	66.5	105.2	119.0	109.5	118.9
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	61.7	76.1	60.4	73.3	79.70	69.3	79.3
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	59.0	64.8	60.7	64.6	67.70	65.2	68.4
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	64.4	63.8	62.8	63.0	60.9	63.4	63.8
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	76.7	70.9	70.9	67.9	68.9	74.8	69.9
Ambient °F			58°	40°	40°	30.0	39.4/34	53.2/46	52.8/34
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	①	①	①	①	①	①	①
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/pulbicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① TR 34-PS-P1 High start light is out - MWT maint. made

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	Auto	AUTO	Auto	Auto	Auto
Primary Sump Pump TR34-PS-P1	OFF	(16)	OFF	off	Off	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	OFF	off	Off	OFF	OFF	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	OFF	off	Off	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	N/F	N/F	N/F	N/F	N/F	N/F	N/F
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	Off	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	OFF	OFF	Off	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	off	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	off	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	O/S (1)	O/S (1)	O/S (1)	O/S (1)	(1) O/S	(1) O/S	(1) O/S
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	off	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	off	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	off	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	OFF	off	OFF	OFF	OFF	~~OFF~~ ON 1/23/11

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: (1) Light not working

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	off	off	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	off	off	off	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	off	off	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	off	off	off	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	off	off	off	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	Trench 34		1/17/11	1/18/11	1/19/11	1/20/11	1/21/11	1/22/11	1/23/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	-5	+5
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: **Jan. 17, 2011** Date Ending: **Jan. 23, 2011**

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	BJ Dabling		BJ Dabling		Bruce E. Galloway		M.J. NELSON		KD GRANT		KD GRANT		KD GRANT	
	Sign	BJ Dabling		BJ Dabling		[illegible]		M.J. Nelson		KD Grant		KD Grant		KD Grant	
	Date/Time	1/17/11	1505	1/18/11	1600	1-19-11	1350	1-20-11	1030	1/21/11	1100	1/22/11	1100	1/23/11	1200
Reviewed By:	Print	J.M. PETTY		RS PAULINA		[illegible]		BBiddle		SLCarmichael		SLCarmichael		SLCarmichael	
	Sign	[illegible]		RS Paulina		[illegible]		BBiddle		SLCarmichael		SLCarmichael		SLCarmichael	
	Date/Time	1/17/11	1620	1/18/11	1630	1/19/11	1710	1-20-11	1821	1-21-11	1601	1-22-11	1639	1-23-11	1536

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2584236	2584236	2584236	2587236	2593698	2593698	2593648
Gallons (previous day) [B]	N/A		2584065	2584236	2584236	2587236	2587236	~~2587236~~	2593648
Difference between current and previous day: [A] - [B] (gallons)	N/A		171	0	Ø	0	6,462	Ø	Ø

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) Snow melt & Rain water

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	**Trench 31**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	50799	50799	50799	50799	50799	50799	50799
Gallons (previous day) [D]	N/A		50799	50799	50799	50799	50799	50799	50799
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	Ø	0	Ø
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		(1)	(1)	(1)	44.9	61.0	61.0	60.9
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		↓	↓	↓	4568	6668	6668	6668
Record previous day's volume (gallons) [F]	N/A		↓	↓	↓	(1) (2)	4568	6668	6668
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	↓	↓	↓	~~2100~~ 1-26-11 ? (2) 0	2100	Ø	Ø

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) Leachate level very erratic at times – Solid Waste maintenance/mng. aware and awaiting replacement transmitter.

(2) Level xmt Replaced 1/30/11.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	32.55	34.42	35.97 ①	16.90	② 6.71	16.9	22.75
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		6386	7390	8304	1388	109	1388	2621
Record previous day's volume (gal) [H]	N/A		5348	6386	7390	8304	1388	~~1388~~ 109	1388
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+1038	+1004	+914	-6916	-1279	~~0~~ 1279	1233
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	12.02	12.02	12.03	12.03	12.05	12.04	12.05
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		324	324	324	324	324	324	324
Record previous day's volume (gal) [J]	N/A		324	324	324	324	324	324	324
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	Ø	Ø	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	Ø	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: ① Above limit ② Topped of leachate 1/28/11

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	✓	✓	✓	✓	✓	✓	✓
Ambient °F			40	38	33	37	37	34	32°
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	—	✓ ②	✓ ②	✓ ②	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: MWT Maint. Aware

② INTERMITTENTLY FLASHES / Repaired, Level xmt

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	AUTO	Auto	Auto	AUTO	AUTO	AUTO
Primary Sump Pump TR31-PS-P1	OFF	(16)	Off	OFF	Off	off	off	off	off
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	Off	OFF	Off	off	off	off	off
Secondary Sump Pump TR31-SS-P3	OFF	(16)	Off	OFF	Off	off	off	off	off
Roof Indicating Light (outside)	Not Flashing	(16)	NF	①	NF ①	NF ①	NF ②	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	Off	OFF	Off	off	off	off	OFF
High tank level	Verify red indicating light Off	(7)(8)(16)	Off	OFF	Off	off	off	off	off

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: ① INTERMITTENTLY FLASHES ② Appears to be functioning properly with replacement of level xmt.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	**Trench 31**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	Off	OFF	Off	off	off	off	off
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	Off	OFF	Off	off	off	off	off
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	off	off	off
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	Off	OFF	off	off	ON	ON	ON
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	Off	OFF	off	off	off	off	off
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	Off	OFF	off	off	off	off	off
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	ON	ON	ON	off	off	off	off

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	**Trench 31**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	OFF	off	off	off	off	off
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	off	OFF	off	off	off	off	off
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	OFF	off	off	off	off	off
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	ON	ON	ON	ON	ON	ON	on
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	off	OFF	off	off	off	off	off

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level.*
(14): Setpoint approximately 6 inches decreasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	**Trench 31**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			Ø	Ø	Ø	Ø	Ø	Ø	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	**Trench 34**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y ①	Y ①	① Y	① Y	① Y	① Y	① Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1612251	1616611	1616611	1616611	1616611	1616611	1616611
Gallons (previous day) [B]	N/A		1609757	1612251	1616611	1616611	1616611	1616611	1616611
Difference between current and previous day: [A] - [B] (gallons)	N/A		2494	② 4360	Ø	Ø	Ø	Ø	Ø

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① Snowmelt & Rainwater

② Pumped Primary sump to leachate tk.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	**Trench 34**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	0	Ø	Ø	Ø	0	Ø
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		31.51	66.92	66.37	66.15	66.16	66.07	66.03
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		2843	7397	7336	7306	7306	7306	7306
Record previous day's volume (gallons) [F]	N/A		169	2843	7397	7336	7306	7306	7306
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	2674	(1) +4554	-61	-30	Ø	Ø	Ø

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM*

Remarks: (1) Pumped SCB primary dump to leachate tk

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	32.77 ①	20.21	25.03	28.30	30.8	32.87	34.7 ③
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		6381	1967	3199	4312	5414	6381	7404
Record previous day's volume (gallons) [H]	N/A		8050	6381	1967	3199	4312	5414	6381
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		-1669	② -4684	+1232	+1113	1102	967	1023
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.49	10.45	10.46	10.45	10.4	10.4	10.4
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		273	273	273	273	273	273	273
Record previous day's volume (gallons) [J]	N/A		273	273	273	273	273	273	273
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	0	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	Ø	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: ① Pumped up to leachate on 1-23-11
② Pumped to leachate tk.
③ SOM notified ~ Pumpout planned for later today after Leachate is pumped to the Beatle Tanker.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	109	100.3	105	103	106	102	102
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	93	86.2	90	91	90	81	71
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	70	61.4	62	63	63	64	64
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	72	61.4	63	64	64	65	65
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	117	118.2	117	109	114	109	105
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	119	117.3	119	111	115	107	100
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	83	78.7	80	80	84	80	76
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	65	64.1	65	66	66	65	63
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	59	61.6	59	65	63	58	64
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	71	65.2	71	65	71	71	69
Ambient °F			40	38	33	37	38	36	32
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	①	①	①	①	①	①	①
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/publicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① TR 34-PS-P1 High Start light is out - MWT Maint. Aware.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	**Trench 34**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	AUTO	Auto	Auto	AUTO	AUTO	AUTO
Primary Sump Pump TR34-PS-P1	OFF	(16)	Off	OFF	Off	off	off	off	off
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	Off	OFF	off	off	off	off	off
Secondary Sump Pump TR34-SS-P3	OFF	(16)	Off	OFF	Off	off	off	off	off
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	N/F	N/F	N/F	N/F
Roof Indicator INDICATOR ON	OFF	(16)	Off	OFF	Off	off	off	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	Off	OFF	Off	off	off	off	off

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	**Trench 34**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	off	OFF	off	off	off	off	ON

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: ① light burned out (Solid Waste notified again 1/28/11 BB)

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	**Trench 34**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	Off	OFF	Off	off	off	off	off
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	Off	OFF	Off	off	off	off	off
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	Off	OFF	Off	off	off	off	off
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	Off	OFF	Off	off	off	off	off
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	Off	OFF	Off	off	off	off	off

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	**Trench 34**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			~~0~~	~~0~~	~~0~~	~~0~~	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: 1-24-11 Date Ending: 1-30-11

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	Kim Arnotis		SL BURT		Kim Arnotis		G.W. Cooper		B Blankenship		B Blankenship		B Blankenship	
	Sign	K Arnotis		SL Burt		K Arnotis		G.W. Cooper		B		B		B	
	Date/Time	1/24/11	1452	1/25/11	10:05	1/26/11	1445	1/27/11	1358	1/28/11	1353	1/29/11	1110	1/30/11	0935
Reviewed By:	Print	S. Biddle		MD Lathrop		S. Biddle		WA Robertson		BBiddle		BBiddle		BBiddle	
	Sign	S. Biddle		MD Lathrop		S. Biddle		WA Robertson		BBiddle		BBiddle		BBiddle	
	Date/Time	1/24/11	1622	1/25/11	1722	1/26/11	1611	1-27-11	1600	1/28/11	1503	1/29/11	1424	1/30/11	1320

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2593648	2594437	2594437	2594437	2594437	2599904	2601518
Gallons (previous day) [B]	N/A		2593648	2593648	2594437	2594437	2594437	2594437	2599904
Difference between current and previous day: [A] - [B] (gallons)	N/A		Ø	789	Ø	Ø	Ø	5467	1614

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) ICE FROM SNOWMELT & Rainwater.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	0	Ø	Ø	Ø	0	Ø
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		31.51	66.92	66.37	66.15	66.16	66.07	66.03
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		2843	7397	7336	7306	7306	7306	7306
Record previous day's volume (gallons) [F]	N/A		169	2843	7397	7336	7306	7306	7306
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	2674	(1) +4554	-61	-30	Ø	Ø	Ø

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM*

Remarks: (1) Pumped SCB primary sump to leachate tk

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	32.77 ①	20.21	25.03	28.30	30.8	32.87	34.7 ③
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		6381	1967	3199	4312	5414	6381	7404
Record previous day's volume (gallons) [H]	N/A		8050	6381	1967	3199	4312	5414	6381
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		-1669	② -4684	+1232	+1113	1102	967	1023
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.49	10.45	10.46	10.45	10.4	10.4	10.4
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		273	273	273	273	273	273	273
Record previous day's volume (gallons) [J]	N/A		273	273	273	273	273	273	273
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	0	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	Ø	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: ① Pumped up to leachate on 1-23-11
② Pumped to leachate tk.
③ SOM notified ~ Pumpout planned for later today after Leachate is pumped to the Beatle Tanker.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	109	100.3	105	103	106	102	102
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	93	86.2	90	91	90	81	71
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	70	61.4	62	63	63	64	64
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	72	61.4	63	64	64	65	65
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	117	118.2	117	109	114	109	105
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	119	117.3	119	111	115	107	100
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	83	78.7	80	80	84	80	76
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	65	64.1	65	66	66	65	63
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	59	61.6	59	65	63	58	64
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	71	65.2	71	65	71	71	69
Ambient °F			40	38	33	37	38	36	32
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	①	①	①	①	①	①	①
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/publicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① TR 34-PS-P1 High Start light is out - MWT Maint. Aware.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	AUTO	Auto	Auto	AUTO	AUTO	AUTO
Primary Sump Pump TR34-PS-P1	OFF	(16)	Off	OFF	Off	off	off	off	off
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	Off	OFF	Off	off	off	off	off
Secondary Sump Pump TR34-SS-P3	OFF	(16)	Off	OFF	Off	off	off	off	off
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	N/F	N/F	N/F	N/F
Roof Indicator INDICATOR ON	OFF	(16)	Off	OFF	Off	off	off	OFF	off
High tank level	Verify red indicating light Off	(7,8,16)	Off	OFF	Off	off	off	off	off

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	**Trench 34**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	off	OFF	off	off	off	off	ON

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: ① light burned out (Solid Waste notified again 1/28/11 BB)

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	Off	OFF	Off	off	off	off	off
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	Off	OFF	Off	off	off	off	off
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	Off	OFF	Off	off	off	off	off
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	Off	OFF	Off	off	off	off	off
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	Off	OFF	Off	off	off	off	off

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	**Trench 34**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			~~0~~	~~0~~	~~0~~	~~0~~	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: 1-24-11 Date Ending: 1-30-11

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	Kim Arnotis		SL BURT		Kim Arnotis		G.W. Cooper		B Blankenship		B Blankenship		B Blankenship	
	Sign	K Arnotis		SL Burt		K Arnotis		G.W. Cooper		B		B		B	
	Date/Time	1/24/11	1452	1/25/11	10:05	1/26/11	1445	1/27/11	1358	1/28/11	1353	1/29/11	1110	1/30/11	0935
Reviewed By:	Print	S. Biddle		MD Lathrop		S. Biddle		WA Robertson		BBiddle		BBiddle		BBiddle	
	Sign	S. Biddle		MD Lathrop		S. Biddle		WA Robertson		BBiddle		BBiddle		BBiddle	
	Date/Time	1/24/11	1622	1/25/11	1722	1/26/11	1611	1-27-11	1600	1/28/11	1503	1/29/11	1424	1/30/11	1320

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2593648	2594437	2594437	2594437	2594437	2599904	2601518
Gallons (previous day) [B]	N/A		2593648	2593648	2594437	2594437	2594437	2594437	2599904
Difference between current and previous day: [A] - [B] (gallons)	N/A		Ø	789	Ø	Ø	Ø	5467	1614

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) ICE FROM SNOWMELT & Rainwater.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	0	Ø	Ø	Ø	0	Ø
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		31.51	66.92	66.37	66.15	66.16	66.07	66.03
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		2843	7397	7336	7306	7306	7306	7306
Record previous day's volume (gallons) [F]	N/A		169	2843	7397	7336	7306	7306	7306
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	2674	(1) +4554	-61	-30	Ø	Ø	Ø

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM*

Remarks: (1) Pumped SCB primary dump to leachate tk

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	32.77 ①	20.21	25.03	28.30	30.8	32.87	34.7 ③
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		6381	1967	3199	4312	5414	6381	7404
Record previous day's volume (gallons) [H]	N/A		8050	6381	1967	3199	4312	5414	6381
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		-1669	② -4684	+1232	+1113	1102	967	1023
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.49	10.45	10.46	10.45	10.4	10.4	10.4
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		273	273	273	273	273	273	273
Record previous day's volume (gallons) [J]	N/A		273	273	273	273	273	273	273
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	0	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	Ø	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: ① Pumped up to leachate on 1-23-11
② Pumped to leachate tk.
③ SOM notified ~ Pumpout planned for later today after Leachate is pumped to the Beatle Tanker.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	109	100.3	105	103	106	102	102
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	93	86.2	90	91	90	81	71
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	70	61.4	62	63	63	64	64
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	72	61.4	63	64	64	65	65
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	117	118.2	117	109	114	109	105
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	119	117.3	119	111	115	107	100
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	83	78.7	80	80	84	80	76
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	65	64.1	65	66	66	65	63
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	59	61.6	59	65	63	58	64
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	71	65.2	71	65	71	71	69
Ambient °F			40	38	33	37	38	36	32
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	①	①	①	①	①	①	①
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/publicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① TR 34-PS-P1 High Start light is out - MWT Maint. Aware.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	AUTO	Auto	Auto	AUTO	AUTO	AUTO
Primary Sump Pump TR34-PS-P1	OFF	(16)	Off	OFF	Off	off	off	off	off
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	Off	OFF	off	off	off	off	off
Secondary Sump Pump TR34-SS-P3	OFF	(16)	Off	OFF	Off	off	off	off	off
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	N/F	N/F	N/F	N/F
Roof Indicator INDICATOR ON	OFF	(16)	Off	OFF	Off	off	off	OFF	off
High tank level	Verify red indicating light Off	(7,8,16)	Off	OFF	Off	off	off	off	off

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	off	OFF	off	off	off	off	off
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	off	OFF	off	off	off	off	ON

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: ① light burned out (Solid Waste notified again 1/28/11 BB)

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	OFF	off	off	off	off	off
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	off	OFF	off	off	off	off	off
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	OFF	off	off	off	off	off
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	off	OFF	off	off	off	off	off
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	off	OFF	off	off	off	off	off

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	**Trench 34**		1-24-11	1-25-11	1-26-11	1-27-11	1-28-11	1-29-11	1-30-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			~~0~~	~~0~~	~~0~~	~~0~~	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: 1-24-11 Date Ending: 1-30-11

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	Kim Arnotis		SL BURT		Kim Arnotis		G.W. Cooper		B Blankenship		B Blankenship		B Blankenship	
	Sign	K Arnotis		SL Burt		K Arnotis		G.W. Cooper		B		B		B	
	Date/Time	1/24/11	1452	1/25/11	10:05	1/26/11	1445	1/27/11	1358	1/28/11	1353	1/29/11	1110	1/30/11	0935
Reviewed By:	Print	S. Biddle		MD Lathrop		S. Biddle		WA Robertson		BBiddle		BBiddle		BBiddle	
	Sign	S. Biddle		[illegible]		S. Biddle		[illegible]		BBiddle		BBiddle		BBiddle	
	Date/Time	1/24/11	1622	1/25/11	1722	1/26/11	1611	1-27-11	1600	1/28/11	1503	1/29/11	1424	1/30/11	1320

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y	(1) Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2593648	2594437	2594437	2594437	2594437	2599904	2601518
Gallons (previous day) [B]	N/A		2593648	2593648	2594437	2594437	2594437	2594437	2599904
Difference between current and previous day: [A] - [B] (gallons)	N/A		Ø	789	Ø	Ø	Ø	5467	1614

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) ICE FROM SNOWMELT & Rainwater.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	50799	50799	50799	50799	50799	51100	51100
Gallons (previous day) [D]	N/A		50799	50799	50799	50799	50799	50799	51100
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	Ø	301	Ø
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		61.0	3.7	3.7 ~~66.1~~	3.7	3.7	54.0	66.7
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		6668	126	126 ~~7300~~	126	126	5765	7373
Record previous day's volume (gallons) [F]	N/A		6668	6668	126 ~~66~~	126	126	126	5765
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	Ø	-6542	Ø	Ø	Ø	5639	1608

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM.*

Remarks: ① Pumped Primary & Secondary Sump to Leachate Tank

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	26.75	27.61	30.42	32.7	34.8	(1) 24.34	(1) 22.71
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		3846	4141	5259	6440	7616	3073	2621
Record previous day's volume (gal) [H]	N/A		2621	3846	4141	5259	6440	7616	3073
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		1225	295	1118	1181	1176	-4543	-452
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	12.04	12.00	12.03	12.0	12.0	(1) 6.60	6.71
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		324	324	324	324	324	53	57
Record previous day's volume (gal) [J]	N/A		324	324	324	324	324	324	53
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	Ø	-271	4
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	30	4

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: (1) Pumped to Leachate TK.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①	O/S ①
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)							
Ambient °F			28	26	22	27	30	42	46
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① MWT Maint. AWARE

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	Auto	Auto	Auto	AUTO	AUTO
Primary Sump Pump TR31-PS-P1	OFF	(16)	Off	Off	OFF	OFF	Off	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	off	off	OFF	OFF	Off	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	Off	off	OFF	OFF	Off	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	N/F	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	Off	Off	OFF	OFF	Off	OFF	OFF
High tank level	Verify red indicating light Off	(7)(8)(16)	Off	off	OFF	OFF	Off	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	off	off	OFF	OFF	off	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	off	off	OFF	OFF	off	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	off	off	OFF	OFF	off	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	off	off	OFF	OFF	off	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	off	off	OFF	OFF	off	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	off	off	OFF	ON	ON	OFF	OFF

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	off	OFF	OFF	Off	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	off	off	OFF	OFF	Off	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	off	OFF	OFF	Off	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	ON	ON	ON	ON	ON	OFF	OFF
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	off	off	off	OFF	Off	ON	ON

(12): Setpoint 6 inches for T-31, decreasing level.
(13): Setpoint approximately 12 inches increasing level.
(14): Setpoint approximately 6 inches decreasing level.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	Trench 31		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	30	4
Weekly Total									34
Average Daily Leak Rate		(14)(15)							4.9

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	(1) Y	(1) Y	(1) Y	Y (1)	Y (1)	Y (1)	Y (1)
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1619655	1623463	1623463	1623463	1623463	1623463	1628356
Gallons (previous day) [B]	N/A		1616611	1619655	1623463	1623463	1623463	1623463	1623463
Difference between current and previous day: [A] - [B] (gallons)	N/A		3044	3808	Ø	Ø	Ø	Ø	

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) ICE FROM SNOWMELT & Rainwater

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		~~36.20~~ ~~29.80~~ TR 1-31-11	67.0	66.1	66.2	66.2	② 7.15	52.22
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		3436	7409	7300	7312	7312	335	5593
Record previous day's volume (gallons) [F]	N/A		7306	~~36.20~~ ~~7306~~ TR 1-31-11 ①	7409	7300	7312	7312	335
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	-3870	3973	-109	+12	Ø	-6977	5198

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM*

Remarks:
① Reading is 3436
② Pumped to Walker on 2/4/11

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	29.80	16.80	22.01	26.2	29.0	31.41	10.90
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		4961	1386	2486	3568	4611	5691	659
Record previous day's volume (gallons) [H]	N/A		7404	4961	1386	2446	3568	4611	5691
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		TM 1-31-11 ~~-2443~~ -2443	3575	1060	+1122	1043	1080	-5032
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.4	10.4	10.4	10.4	10.4	10.4	10.40
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		273	273	273	273	273	273	273
Record previous day's volume (gallons) [J]	N/A		273	273	273	273	273	273	273
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	Ø	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	Ø	Ø

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	100.4	99.4	102.6	105.8	95.6	110.6	110.2
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	80.2	67.1	77.0	90.4	83.4	78.8	78.2
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	61.2	60.9	61.4	61.9	66.1	77.9	61.1
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	62.1	62.2	62.5	63.0	66.7	79.9	62.2
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	95.2	95.6	102.1	112.2	71.9	112.2	119.2
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	91.7	95.0	103.4	114.3	66.2	105.8	117.7
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	70.7	69.9	74.9	81.7	68.2	82.5	86.4
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	63.7	56.7	58.1	63.7	67.1	70.9	65.5
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	64.2	61.5	63.6	63.2	57.6	63.4	61.3
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	70.5	70.0	71.7	72.8	67.4	75.3	71.6
Ambient °F			28.0	26.0	22.0	28	30	44	44
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	1	1	1	1	1	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/publicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: 1 TR 34-PS-P1 High Start light is out - MWT main Aware.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	Auto	Auto	Auto	AUTO	AUTO
Primary Sump Pump TR34-PS-P1	OFF	(16)	off	off	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	off	off	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	off	off	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	N/F	2-1-11 ~~N/F~~ N/F	N/F	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	O/S ①	O/S ①	O/S ①	① O/S	ON ~~O/S~~ TZG 2-4-11	ON	ON
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	Off	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	Off	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	Off	OFF	OFF	OFF	OFF	OFF	OFF

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: ① light burned out (Solid Waste notified again 1/28/11 BB) LIGHT WORKING 2-4-11 TZG

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	off	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	Off	off	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	off	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	off	off	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	off	off	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level.
(13): Setpoint approximately 12 inches increasing level
(14): Setpoint approximately 6 inches decreasing level.
(16): Write switch position (ON/OFF) in box for that day.

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	Trench 34		1/31/11	2/1/11	2/2/11	2/3/11	2/4/11	2/5/11	2/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: Jan. 31, 2011 | Date Ending: Feb. 6, 2011

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	Terry L. ALLEN		Terry L. ALLEN		Bruce E Goffrey		Jeff Conway		Terry L. ALLEN		M.J. NELSON		M.J. NELSON	
	Sign	Terry Allen		Terry Allen		Bruce E Goffrey		JH Conway		Terry Allen		M.J. Nelson		M.J. Nelson	
	Date/Time	01/31/11	0945	02/01/11	1115	02/02/11	1421	2-3-11	1015	2-4-11	1130	2-5-11	1030	2-6-11	12:30
Reviewed By:	Print	SLCarmichael		SLCarmichael		SLCarmichael		SLCarmichael		J.M. PETTY		J.M. PETTY		J.M. PETTY	
	Sign	SLCarmichael		SLCarmichael		SLCarmichael		SLCarmichael		JM Petty		JM Petty		JM Petty	
	Date/Time	1-31-11	1431	2-1-11	1445	2-2-11	1444	2-3-11	1441	2/4/11	0200	2/5/11	1455	2/6/11	1330

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y (1)	Y (1)	Y (1)	N	N	N	N
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2601518	2601518	2601518	2601518	2607743	2607743	2607743
Gallons (previous day) [B]	N/A		2601518	2601518	2601518	2601518	2601518	2607743	2607743
Difference between current and previous day: [A] - [B] (gallons)	N/A		Ø	Ø	Ø	Ø	6225	0	Ø

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) WATER FROM ICE & SNOW MELT

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	51100	51100	51100	51100	51100	51100	51100
Gallons (previous day) [D]	N/A		51100	51100	51100	51100	51100	51100	51100
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	0	0	0
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		66.6	66.3	4.5	4.5	59.8	60.5	60
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		7361	7324	169	169	6515	6604	6541
Record previous day's volume (gallons) [F]	N/A		7373	7361	7324	169	169	6515	6604
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	-12	-37	-7155	Ø	6346	89	-63

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	26.87	30.09	32.58	34.48 ①	17.87	24	27.4
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		3846	5126	6386	7446	1575	2976	4066
Record previous day's volume (gal) [H]	N/A		2621	3846	5126	6386	7446	1575	2976
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		1225	1280	1260	1060	-5871	1401	1090
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	6.7	6.7	6.7	6.7	6.7	6.8	6.7
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		57	57	57	57	57	60	57
Record previous day's volume (gal) [J]	N/A		57	57	57	57	57	57	60
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	Ø	3	-3
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	Ø	Ø	Ø	Ø	3	-3

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: ① PUMPING SCHEDULED

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S ①	O/S ①	O/S ①	O/S ①	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	✓	✓	✓	✓	✓	✓	✓
Ambient °F			46	38	34	38	34	60	47
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	AUTO	AUTO	AUTO	Auto	Auto	Auto
Primary Sump Pump TR31-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	off	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	off	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	off	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	N/F	N/F	N/F	N/F	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	off	OFF
High tank level	Verify red indicating light Off	(7)(8)(16)	OFF	OFF	OFF	OFF	OFF	Off	OFF

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	off	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	off	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	on	ON ~~OFF~~ 7/8/11
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	off	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	off	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	off	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	OFF	ON	ON	OFF	off	OFF

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	off	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	off	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	off	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	OFF	OFF	off	OFF
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	ON	ON	ON	ON	ON	on	ON

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level.*
(14): Setpoint approximately 6 inches decreasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	Trench 31		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	4	3	-3
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	Y ①	Y ①	Y ①	Y ①	Y ①	① Y	N
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1628356	1628356	1628356	1628356	1630174	1630174	1630174
Gallons (previous day) [B]	N/A		1628356	1628356	1628356	1628356	1628356	1630174	1630174
Difference between current and previous day: [A] - [B] (gallons)	N/A		Ø	Ø	Ø	Ø	1818	Ø	Ø

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① WATER FROM ICE & SNOW MELT

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	6977	6977	6977	6977	6977
Gallons (previous day) [D]	N/A		6977	6977	6977	6977	6977	6977	6977
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	0	0	0
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		52.08	51.8	52.11	51.6	4.1	4.2	4.1
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		5516	5477	5516	5451	147	152	147
Record previous day's volume (gallons) [F]	N/A		5333	5516	5477	5516	5451	147	152
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	183	-39	39	-65	-5304	5	-5

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	18.54	24.02	27.38	29.65	27.3	29.6	31.79
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		1666	2594	3968	4873	3932	4873	5877
Record previous day's volume (gallons) [H]	N/A		659	1666	2594	3968	4873	3952	4873
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		1007	1228	1074	905	-941	921	1004
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.4	10.4	10.4	10.4	10.4	10.4	10.4
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		273	273	273	273	273	273	273
Record previous day's volume (gallons) [J]	N/A		273	273	273	273	273	273	273
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	Ø	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	Ø	Ø	Ø	0	Ø

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	0/5	0/5	0/5	0/5	0/5	0/5	0/5
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	53	100	58	106	110	61	64
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	63	72	66	70	92	65	59
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	62	64	64	62	70	70	72
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	63	64	65	63	72	70	73
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	99	109	94	110	88	92	97
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	90	91	98	108	88	95	100
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	65	71	66	76	80	64	67
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	61	63	58	62	68	65	65
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	59	59	63	59	58	64	66
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	73	68	70	70	69	76	74
Ambient °F			46	38	34	28	47	60	44
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/publicdata.cfm

(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	AUTO	AUTO	AUTO	Auto	Auto	Auto
Primary Sump Pump TR34-PS-P1	OFF	(16)	off	off	off	off	OFF	OFF	off
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	off	off	off	off	OFF	OFF	off
Secondary Sump Pump TR34-SS-P3	OFF	(16)	off	off	off	off	OFF	OFF	off
Roof Indicating Light (outside)	Not Flashing	(16)	N/F	N/F	N/F	N/F	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	off	off	OFF	off	OFF	OFF	off
High tank level	Verify red indicating light Off	(7,8,16)	off	off	off	off	OFF	OFF	off

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	off
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	off
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	on
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	off
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	off
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	off
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	OFF	OFF	OFF	OFF	OFF	off

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	off	off	off	OFF	off	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	off	off	off	off	OFF	off	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	off	off	off	OFF	off	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	off	off	off	off	OFF	off	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	off	off	off	off	OFF	off	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	**Trench 34**		2/7/11	2/8/11	2/9/11	2/10/11	2/11/11	2/12/11	2/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: Feb. 7, 2011

Date Ending: Feb. 13, 2011

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	Blankenship		Blankenship		Blankenship		Blankenship		LR Sims		Mary Carmichael		LR Sims	
	Sign	Blankenship		Blankenship		Blankenship		Blankenship		[illegible]		[illegible]		[illegible]	
	Date/Time	2/7/11	1309	2/8/11	1342	2/9/11	1334	2/10/11	1253	2/11/11	0915	2/12/11	1200	2/13/11	0910
Reviewed By:	Print	BBiddle		BBiddle		BBiddle		BBiddle		R.A. Wahlquist		SL Carmichael		R.A. Wahlquist	
	Sign	BBiddle		BBiddle		BBiddle		BBiddle		[illegible]		[illegible]		[illegible]	
	Date/Time	2/7/11	1420	2/9/11	1530	2/9/11	1530	2/10/11	1403	2/11/11	1155	2-12-11	1727	2/13/11	1505

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	N (1)	(1) N	(1) N	(1) N	(1) N	(1) N	(1) N
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2608456	2608456	2608456	2608456	2608456	2615588	2615588
Gallons (previous day) [B]	N/A		2607743	2608456	2608456	2608456	2608456	2608456	2615588
Difference between current and previous day: [A] - [B] (gallons)	N/A		713	0	0	0	0	7132	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) Tumbleweed's. MWT notified 2/20/11

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	51100	51100	51100	51100	51100	51100	51100
Gallons (previous day) [D]	N/A		51100	51100	51100	51100	51100	51100	51100
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	Ø	Ø	Ø
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		65.4	65.5	① 3.2	3.3	3.3	66.8	66.8
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		7215	7227	102	107	107	7385	7385
Record previous day's volume (gallons) [F]	N/A		6541	7215	7227	102	107	107	7385
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	674	+ 12	-7125	+ 5	Ø	7278	Ø

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① Pumped to Tanker Then to Basin 44. 90-day Clock Removed. [illegible]

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	28.4	31.22	33.41	35.29	37.00	19.50	24.00
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		4445	5637	6828	7902	8944	1901	2976
Record previous day's volume (gal) [H]	N/A		4066	4445	5637	6828	7902	8944	1901
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		379	+ 1192	+ 1191	+ 1074	1042	7043	1075
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	6.7	6.71	6.76	6.74	6.74	6.74	6.74
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		57	57	58	57	57	57	57
Record previous day's volume (gal) [J]	N/A		57	57	57	58	57	57	57
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		0	0	1	-1	0	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	+1	-1	0	0	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	✓	✓	✓	✓	✓	✓	✓
Ambient °F			39	40	38	36	40	44	36
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	auto	Auto	Auto	Auto	Auto
Primary Sump Pump TR31-PS-P1	OFF	(16)	off	off	off	off	Off	off	off
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	off	off	off	off	off	off	off
Secondary Sump Pump TR31-SS-P3	OFF	(16)	off	off	off	off	off	off	off
Roof Indicating Light (outside)	Not Flashing	(16)	N/F	N/F	NF	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	off	off	off	off	off	off	off
High tank level	Verify red indicating light Off	(7)(8)(16)	off	off	off	off	off	off	off

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	off	off	off	off	off	off	off
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	off	off	off	off	off	off	off
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	on	on	on	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	off	off	off	off	off	off	off
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	off	off	off	off	off	off	off
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	off	off	off	off	off	off	off
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	off	on	on	on	ON	off	off

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	off	off	off	off	off	off
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	off	off	off	off	off	off	off
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	off	off	off	off	off	off
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	off	off	off	off	off	off	off
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	ON	ON	ON	ON	ON	ON	ON

(12): Setpoint 6 inches for T-31, decreasing level.
(13): Setpoint approximately 12 inches increasing level.
(14): Setpoint approximately 6 inches decreasing level.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	Trench 31		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	+1	-1	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	N (1)	N (1)	N (1)	N (1)	(1) N	(1) N	(1) N
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1634609	1634609	1636750	1636750	1636750	1636750	1636750
Gallons (previous day) [B]	N/A		1630174	1634609	1634609	1636750	1636750	1636750	1636750
Difference between current and previous day: [A] - [B] (gallons)	N/A		4435	0	2141	0	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) Tumbleweed's. MWT notified 2/20/11

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	6977	6977	7192 ~~7292~~ 2-16-11	7198	7198	7198	7198
Gallons (previous day) [D]	N/A		6977	6977	6977	7192	7198	7198	7198
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	~~0~~	~~0~~	215	+ 6	~~0~~	~~0~~	~~0~~
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		47.62	47.70	64.77	65.09	65.10	4.80	4.80
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		4924	4937	7136	7178	7178	~~65.18~~ 186 2-19-11	186
Record previous day's volume (gallons) [F]	N/A		147	4924	4937	7136	7178	7178	186
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	4777	+ 13	+ 2199	+ 42	~~0~~	6992	~~0~~

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	15.80	22.34	13.14	20.50	24.7	27.5	29.50
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		1245	2429	893	2025	3108	4004	4829
Record previous day's volume (gallons) [H]	N/A		5877	1245	2429	893	2025	3108	4004
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		4632	+ 1184	- 1536	+ 1132	+ 1083	896	825
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	10.4	10.42	6.94	6.92	6.94	7.0	7.0
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		273	268	93	93	93	97	97
Record previous day's volume (gallons) [J]	N/A		273	273	268	93	93	93	97
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		0	-5	-175	0	0	4	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	-5	+40 ~~-175~~ ROW 2-16-10	+ 6	0	4	0

(4): *If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	100	106.6	104.3	109.3	68.80	45.9	61.0
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	89	60.2	80.7	80.9	69.00	48.8	69.0
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	63	61.6	62.1	62.8	63.5	62.9	70.1
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	63	63.7	62.8	63.6	63.9	63.3	70.8
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	117	120.6	118.3	114.0	103.9	80.9	98.5
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	120	124.9	122.6	117.0	108.1	77.5	102.9
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	82	82.8	83.5	78.4	69.4	49.4	65.6
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	64	65.7	65.1	64.2	60.7	56.5	60.5
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	64	66.3	63.5	62.8	62.8	63.3	60.6
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	71	69.5	69.2	72.0	72.5	69.1	71.1
Ambient °F			38	50	38	51.9	40	45.3	36
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/publicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Primary Sump Pump TR34-PS-P1	OFF	(16)	off	off	off	off	OFF	OFF	off
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	off	off	off	off	OFF	OFF	off
Secondary Sump Pump TR34-SS-P3	OFF	(16)	off	off	off	off	OFF	OFF	off
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	off	off	off	off	OFF	OFF	off
High tank level	Verify red indicating light Off	(7,8,16)	off	off	off	off	OFF	OFF	off

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	off	off	off	off	off	off	off
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	off	off	off	off	off	off	off
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	on	on	on	ON	on	on
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	off	off	off	off	off	off	off
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	off	off	off	off	off	off	off
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	off	off	off	off	off	off	off
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	off	off	off	off	off	off	off

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	off	off	off	off	off	off
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	off	off	off	off	off	off	off
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	off	off	off	off	off	off
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	off	off	off	off	off	off	off
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	off	off	off	off	off	off	off

(12): Setpoint 6 inches for T-31, decreasing level.
(13): Setpoint approximately 12 inches increasing level
(14): Setpoint approximately 6 inches decreasing level.
(16): Write switch position (ON/OFF) in box for that day.

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	Trench 34		02/14/11	02/15/11	02/16/11	02/17/11	02/18/11	02/19/11	02/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			0	-5	+40	+6	0	+4	0
Weekly Total									45.0
Average Daily Leak Rate		(14)(15)							6.43

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: 02/14/11 Date Ending: 02/20/11

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	GW Cooper		Lee Schooley		Rich Wokal		Lee Schooley		Terry ALLEN		Terry L. ALLEN		Terry L ALLEN	
	Sign	GW. Cooper		Lee Schooley		RA Wokal		Lee Schooley		Terry Allen		Terry Allen		Terry Allen	
	Date/Time	2/14/11	1445	2/15/11	1015	2/16/11	1030	2/17/11	1005	2/18/10	1045	2/19/11	1120	2/20/11	1030
Reviewed By:	Print	T M PETTY		T.M. PETTY		T.M. PETTY		T.M. PETTY		S. [illegible]		S. [illegible]		R.A. Wahlquist	
	Sign	T.M. Petty		T.M. Petty		T.M. Petty		T.M. Petty		S. [illegible]		[illegible]		[illegible]	
	Date/Time	2/14/11	1511	2/15/11	1625	2/16/11	1445	2/17/11	1400	2/18/11	1432	2/19/11	1685	2/20/11	1325

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	N	N	N	N	N	N	N
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2615588	2615588	2615588	2615588	2619286	2619286	2619286
Gallons (previous day) [B]	N/A		2615588	2615588	2615588	2615588	2615588	2619286	2619286
Difference between current and previous day: [A] - [B] (gallons)	N/A		Ø	Ø	Ø	Ø	3698	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: 2/22/11 Tumbleweeds IN secondary containment / Tyler

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	51100	51100	51100	51100	51100	51100	51100
Gallons (previous day) [D]	N/A		51100	51100	51100	51100	51100	51100	51100
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		67.3	66.9	26.1 ①	5.3	40.6	40.5	40.4
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		7445	7397	2190	215	4004	3991 2-26-11	3978
Record previous day's volume (gallons) [F]	N/A		7385	7445	7445	2190	215	4004	3991
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	+ 60	-48	-5255	1945	3789	[redacted]13	-13

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① In Process of pumping up to tanker

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	27.62	29.81	32.09	33.60	26.15	28.58	30.75
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		4141	4599	6114	6940	3636	4522	5437
Record previous day's volume (gal) [H]	N/A		2976	4141	4599	6114	6114	3636	4522
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+1165	+458	+1515	+826	-2478	+886	+915
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	6.74	6.80	6.73	6.70	6.67	6.65	6.66
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		57	60	57	57	57	57	57
Record previous day's volume (gal) [J]	N/A		57	57	60	57	57	57	57
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		Ø	3	-3	Ø	Ø	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	3	-3	Ø	Ø	Ø	Ø

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	✓	✓	✓	✓	✓	✓	✓
Ambient °F			47	41	48	24	28	18°	22°
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	AUTO	Auto	Auto	Auto	Auto	Auto
Primary Sump Pump TR31-PS-P1	OFF	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7)(8)(16)	Off	OFF	Off	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	Off	OFF	ON	ON	OFF	OFF MLL 2-26-11	ON

9): Setpoint approximately 12 inches increasing level.
(10): Setpoint approximately 6 inches decreasing level.
(11): Setpoint approximately 31.5 inches increasing level.
*(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	Off	OFF	Off	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	Off	OFF	Off	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	ON	ON	ON	ON	ON	ON	ON

(12): Setpoint 6 inches for T-31, decreasing level.
(13): Setpoint approximately 12 inches increasing level.
(14): Setpoint approximately 6 inches decreasing level.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	Trench 31		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			0	3	-3	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	N	DT 2/22/11 ~~N~~ Y ①	N	N	N	N	N
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1636750	1636750	1638918	1638918	1643248	1643248	1643248
Gallons (previous day) [B]	N/A		1636750	1636750	1636750	1638918	1638918	1643248	1643248
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	+2168	0	4330	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: 2/22/11 Lots of Tumbleweeds Inside Secondary Containment / TYRA

① water

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	7198	7198	7198	7198	7198	7198	7198
Gallons (previous day) [D]	N/A		7198	7198	7198	7198	7198	7198	7198
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	0	0	0
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		4.87	4.87	29.13	63.65	63.42	63.42	63.06
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		191	191	2548	7006	6969	6969	6919
Record previous day's volume (gallons) [F]	N/A		186	191	191	2548	7006	6969	6969
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	+5	Ø	+2357	+4458	-37	0	-40

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

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Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	31.57	33.0	30.06	6.97	14.84	20.37	24.01
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		5784	6484	5094	316	1106	1987	2894
Record previous day's volume (gallons) [H]	N/A		4829	5784	6484	6484	316	1106	1987
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+ 955	+700	-1390	-6168	+790	+881	+997
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	6.99	7.00	7.03	6.99	6.97	6.97	6.91
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		97	97	97	97	97	97	93
Record previous day's volume (gallons) [J]	N/A		97	97	97	97	97	97	97
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	Ø	Ø	-4
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	Ø	-4

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	54	97	57	98	102.5	② 102.5 ①	102.3
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	63	65	57	63	90.4	② 90.4	73.5
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	70	73.9	67	59	69.4	② 69.4	60.3
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	70	75	68	60	70.0	② 70.0	61.3
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	96	105	103	102	119.2	② 119.2	110.6
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	100	108	108	92	120.4	② 120.4	102.3
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	62	71	62	65	79.0	② 79.0	70.6
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	61	65	62	59	65.5	② 65.5	59.5
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	61	63	60	60	62.2	② 62.2	59.4
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	72	69	74	55	66.3	② 66.3	67.4
Ambient °F			47	41 °F	48	28	18°	② 17°	22°
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/publicdata.cfm

(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① notified Som all temps are the Same as Yesterday

② Refresh computer - New Readings 2. 102.9° 3. 75.6° 4. 59.8° 5. 61.3° 6. 107.6° 7. 109.9° 8. 69° 9. 56.10° 10. 59.5° 11 66.2° Ambient 35.8° Data taken @ 1320.

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Primary Sump Pump TR34-PS-P1	OFF	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	N/F	N/F	N/F
Roof Indicator INDICATOR ON	OFF	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	Off	OFF	Off	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	Off	OFF	Off	ON	ON	ON	ON
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	Off	OFF	Off	OFF	OFF	(1)	(1)

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: (1) Light is burnt out - S.W. maintenance notified 2/26/11 [illegible]

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	Off	OFF	Off	ON	ON	ON	ON
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	Off	OFF	Off	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	Off	OFF	Off	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	Off	OFF	Off	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	Trench 34		2-21-11	2-22-11	2-23-11	2-24-11	2-25-11	2-26-11	2-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	-4
Weekly Total									-4
Average Daily Leak Rate		(14)(15)							-.57

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: 2-21-11 Date Ending: 2-27-11

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	Kim Armstrong		David Tyler		Kim Armstrong		David Tyler		Mike Garity		Mike Garity		Mike Garity	
	Sign	[signature]		[signature]		[signature]		[signature]		[signature]		[signature]		[signature]	
	Date/Time	2/21/11	1501	2/22/11	1510	2/23/11	1625	2/24/11	1410	2/25/11	0956	2/26/11	0930	2/27/11	0825
Reviewed By:	Print	R.A. Wahlquist		[illegible]		R.A. Wahlquist		R.A. Wahlquist		BBiddle		BBiddle		BBiddle	
	Sign	[signature]		[signature]		[signature]		[signature]		BBiddle		BBiddle		BBiddle	
	Date/Time	2/21/11	1600	2/22/11	1530	2/23/11	1630	2/24/11	1605	2/25/11	1431	2/26/11	1416	2/27/11	1420

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	N ①	①	①+	① N	n	n ①	n ①
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	n	n	n
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	n	n	n
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	n	n	n
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2619286	2619286	2622638	2626658	2626658	2,626,658	2,626,658
Gallons (previous day) [B]	N/A		2619286	2619286	2619286	2622638	2,626,658	2,626,658	2,626,658
Difference between current and previous day: [A] - [B] (gallons)	N/A		Ø	Ø	3352	4020	Ø	Ø	Ø

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

34

Remarks: ① Secondary containment is full of tumbleweeds + 3/2 Days cleaning @ this time

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	51100	51100	51100	51100	51100	51,100	51,100
Gallons (previous day) [D]	N/A		51100	51100	51100	51100	51,100	51,100	51,100
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		40.8	40.8	43.5	43.0	42.7	43.0	43.0
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		4030	4030	4384 ~~4030~~ KS 3/2/11	4318	4279	4318	4318
Record previous day's volume (gallons) [F]	N/A		3978	4030	4030	4384	4318	4279	4318
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	+52	0	+354	-66	-39	39	0

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	32.6	34.2	28.43	13.09	18.52	22.41	25.17
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		6386	7277	4484	788	1695	2546	3322
Record previous day's volume (gal) [H]	N/A		5437	6386	7277	4484	788	1695	2546
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+949	+891	-2793	-3696	907	851	776
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	6.67	6.67	6.67	6.66	6.65	6.67	6.66
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		57	57	57	57	57	57	57
Record previous day's volume (gal) [J]	N/A		57	57	57	57	57	57	57
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		0	0	0	0	0	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	0	0	0	0	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)							
Ambient °F			37	38	37	39	37°	39°	41°
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Primary Sump Pump TR31-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	N F	N/F	N/F	N/F	n/F	n/F	n/F
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7)(8)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	ON	ON	OFF	OFF	OFF	OFF	OFF

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	ON	ON	ON	ON	On	On	On

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level.*
(14): Setpoint approximately 6 inches decreasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	Trench 31		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	N ①	N ①	①+ N	1/2 full ① N	① n	① n	① n
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	n	n	n
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	n	n	n
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	n	n	n
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1643248	1643248	1643248	1647432	1,647,432	1,647,432	1,647,432 ~~1,647,432~~ ② 3-6-11
Gallons (previous day) [B]	N/A		1643248	1643248	1643248	1643248	1,647,432	1,647,432	1,647,432
Difference between current and previous day: [A] - [B] (gallons)	N/A		~~0~~	~~0~~	~~0~~	4184	~~0~~	~~0~~	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① Secondary Containment is full of tumbleweeds

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	7198	7198	7198	7198	7198	7,198	7,198
Gallons (previous day) [D]	N/A		7198	7198	7198	7198	7198	7,198	7,198
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		63.6	63.4	2.29	44.64	44.36	44.97	44.55
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		6993	6969	88	4528 ~~9318~~	4502	4581	4660
Record previous day's volume (gallons) [F]	N/A		6919	6993	6969	3-4-11 88	4528	4502	4581
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	+ 74	-24	-6881	4440 + ~~9430~~ 3/4/11	-26	79	79

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM*

38 39

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	27.0	28.8	30.50	13.65	19.32	23.28	25.75
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		3824	4526	5276	964	1805	2700	3443
Record previous day's volume (gallons) [H]	N/A		2894	3824	4526	5276	964	1805	2700
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+930	+702	+750	-4312	841	895	743
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	7.0	7.0	6.97	6.98	6.96	6.95	6.96
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		97	97	97	97	97	97	97
Record previous day's volume (gallons) [J]	N/A		93	97	97	97	97	97	97
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		+4	0	0	0	0	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	+4	0	0	0	0	0	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	104.2	102.0	102.0	70.3	100.9	98°	102°
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	74.2	87.5	81.1	72.7	79.1	84°	83°
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	61.3 ~~31.0~~ 2-28-11	61.5	75.5	62.7	64.1	66°	66°
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	62.3	62.5	77.2	62.8	64.5	66°	67°
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	116.0	118.3	112.1	107.7	110.4	117°	112°
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	119.2	121.3	114.5 ~~114.5~~ KB 3/2/11	113.10	109.6°	3-5-11 ~~78°~~ 119°	115°
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	81.4	81.3	114.5 ~~77.0~~ 77.0 KB 3/2/11	67.10	74.9°	78°	81°
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	64.5	64.1	67.10	60.5	62.2°	63°	64°
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	61.4	61.1	60.2	59.3	59.2°	60°	60°
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	73.4	69.2	68.6	76.10	74.0°	64°	70°
Ambient °F			38	38	38	39 / 54.8	35°	39°	38°
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	①	①	① 3/2/11 KB ✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/publicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① Lamp is burned out for TR34-PS-P2 HIGH START

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto	Auto	Auto	Auto	Auto	Auto
Primary Sump Pump TR34-PS-P1	OFF	(16)	off	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	n/F	n/F	n/F
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF ①	OFF ①	* OFF	OFF	OFF	OFF	OFF

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks: ① Lamp is burned out (*3/2/11 Appears has been fixed lights up when pushed

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level.
(13): Setpoint approximately 12 inches increasing level
(14): Setpoint approximately 6 inches decreasing level.
(16): Write switch position (ON/OFF) in box for that day.

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	Trench 34		2/28/11	3/1/11	3/2/11	3/3/11	3/4/11	3/5/11	3/6/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			+4	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0.57

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: Feb. 28, 2011

Date Ending: March 6, 2011

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	Jeff Conway		A.E. Andor		H D Grant		H D Grant		L Ingram		L Ingram		L Ingram	
	Sign	JJ Conway		Alvin Andor		H D Grant		H D Grant		[illegible]		[illegible]		[illegible]	
	Date/Time	2-28-11	1030	3/1/11	1000	3/2/11	1100	3/3/11	1330	3-4-11	1330	3-5-11	1130	3-6-11	0915
Reviewed By:	Print	S L Carmichael		S L Carmichael		S L Carmichael		S L Carmichael		J M Petty		J M Petty		J M Petty	
	Sign	SL Carmichael		SL Carmichael		SL Carmichael		SL Carmichael		J M Petty		J M Petty		J M Petty	
	Date/Time	2-28-11	1616	3-1-11	1428	3-2-11	1314	3-3-11	1534	3/4/11	1340	3/5/11	1425	3/6/11	1410

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	① Y	① Y	① Y	① Y	N	N	N
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2626550	2627671	2629581	2629581	2629581	2629581	2629581
Gallons (previous day) [B]	N/A		2626658	2627558	2627671	2629581	2629581	2629581	2629581
Difference between current and previous day: [A] - [B] (gallons)	N/A		100	203	1910	0	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① Secondary containment is full of tumbleweeds

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	51100	51100	51100	51100	51100	51100	51100
Gallons (previous day) [D]	N/A		51,100	51100	51100	51100	51100	51100	51100
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A	43.1	~~27.7~~	51.4	66.0	66.3	66.3	66.0	66.1
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		4344	5424	7288	7324	7324	7288	7300
Record previous day's volume (gallons) [F]	N/A		4318	4344	5424	7288	7324	7324	7288
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	26	1080	1864	+36	Ø	-36	12

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	27.72	26.43	21.75	24.89	27.15	28.97	30.61
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		4178	3706	2401	3232	3991	4676	5348
Record previous day's volume (gal) [H]	N/A		3322	4178	3706	2401	3232	3991	4676
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		856	-472	-1305	831	759	685	672
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	6.68	6.65	6.66	6.66	6.6	6.64	6.6
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		57	53	53	53	53	53	53
Record previous day's volume (gal) [J]	N/A		57	57	53	53	53	53	53
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		0	-4	0	Ø	Ø	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	-4	0	Ø	Ø	Ø	Ø

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	o/s	o/s	o/s	o/s	o/s	o/s	o/s
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	✓	✓	✓	✓	✓	✓	✓
Ambient °F			45	40	40	50°F	46°	38°	42°
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	Auto	AUTO	Auto	Auto	Auto	Auto
Primary Sump Pump TR31-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	N/F	NF	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7)(8)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	OFF	ON	OFF	OFF	OFF	OFF

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	ON	ON	ON	ON	ON	ON	ON

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level.*
(14): Setpoint approximately 6 inches decreasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	Trench 31		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			0	-4	0	0	0	0	0
Weekly Total									-4
Average Daily Leak Rate		(14)(15)							-.6

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	① Y	① Y	① Y	Y	Y	③ Y	③ Y
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	② 1649500 ~~1651732~~	1650019	1650117	1652391	1652391	1652391	1652391
Gallons (previous day) [B]	N/A		1647432	1649500	1650019	1650117	1652391	1652391	1652391
Difference between current and previous day: [A] - [B] (gallons)	N/A		2068	5519	98	2274	0	0	0

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① Secondary Containment is Full of tumble weeds
② Pumping
③ Water

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	~~(17)~~	~~6.99~~ 7198	7198	7198	7198	7198	7198	7198
Gallons (previous day) [D]	N/A		7198	7198	7198	7198	7198	7198	7198
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		(1) 53.72	5.48	5.4	30.28	30.12	29.99	29.97
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		5726	221	~~5148~~ 221 (2)	2695	2670	2658	2658
Record previous day's volume (gallons) [F]	N/A		4660	5726	~~5~~ 221	321	2695	2670	2658
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	1066	5505	0	2374	-25	-12	0

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM*

Remarks: (1) Bumping up

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	22.5	18.07	21.87	7.35	13.77	18.88	22.26
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		① ~~2483~~ 2463	1580	2326	340	975	1735	2429
Record previous day's volume (gallons) [H]	N/A		3443	2463	1580	2326	340	975	1734
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		960	883	746	1986	635	+760	695
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	6.97	6.97	6.95	7.0	7.0	6.93	6.97
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		97	97	97	97	97	97	97
Record previous day's volume (gallons) [J]	N/A		97	97	97	97	97	97	97
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		0	0	0	0	0	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	0	0	0	0	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: ① Pumping

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S	O/S	O/S	O/S	O/S ①	①
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	53.3	101.2	102.2	52.6	102.1		①
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	55.4	81.90	80.2	54.8	83.2		①
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	61.0	72.00	74.8	61.9	68.6		①
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	62.1	72.6	75.0	62.7	68.9		①
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	68.6	107.0	110.1	91.6	110.7		①
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	66.7	104.3	108.1	94.7	114.7		①
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	61.6	76.9	75.4	58.3	77.3		①
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	63.9	69.5	68.5	59.6	64.2		①
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	58.1	62.0	60.8	60.2	62.7		①
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	74.2	67.3	71.7	75.2	75.6		①
Ambient °F			45	40	40	50	67		①
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	NF ✓	N/F	NF	NF	NF ✓	NF ✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/publicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: ① Website not working. MWT notified [illegible] 3/13/11

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	Auto	AUTO	AUTO	AUTO	AUTO	AUTO
Primary Sump Pump TR34-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	OFF	ON	ON	ON
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	ON	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	ON	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	ON	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	Trench 34		3/7/11	3/8/11	3/9/11	3/10/11	3/11/11	3/12/11	3/13/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010 **Effective Date: 05/17/2010**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: March 7, 2011 Date Ending: March 13, 2011

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	Bill Schneider		A.E. ANDOR		Bill Schneider		D Tyra		LR Sims		D Tyra		LR Sims	
	Sign														
	Date/Time	3/7/11	1440	3/8/11	1400	3/9/11	10:15	3/10/11	1430	3/11/11	1450	3/12/11	1300	3/13/11	1003
Reviewed By:	Print	BBiddle		S. Biddle		BBiddle		BBiddle		R.A. Wahlquist		R.A. Wahlquist		R.A. Wahlquist	
	Sign	BBiddle				BBiddle		BBiddle							
	Date/Time	3/7/11	1535	3/8/11	1610	3/9/11	1606	3/10/11	1641	3/11/11	1545	3/12/11	1620	3/13/11	1155

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - Trench 31 and 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	N	N	N	(2) N	(2) Y	(2) Y	N (2)
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2629581	2629681	2635705	2635705	2635705	2635705	2635705
Gallons (previous day) [B]	N/A		2629581	2629681	2629681	2635705	2635705	2635705	2635705
Difference between current and previous day: [A] - [B] (gallons)	N/A		Ø	Ø	+6024 (1)	Ø	Ø	Ø	Ø

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) TRANSFERED PRIMARY SUMP TO LEACHATE TK 3.(+1)

(2) LOTS OF DIRT

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	51100	51100	51100	51100	51100	51100	51100
Gallons (previous day) [D]	N/A		51100	51100	51100	51100	51100	51106	51100
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø	Ø	Ø	Ø	Ø	Ø
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		5.9	5.9	59.3	59.4	59.4	59.4	59.1
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		252	252	6451	6464	6464	6464	6426
Record previous day's volume (gallons) [F]	N/A		7300	252	252	6451	6464	6464	6464
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	(1) -7048	Ø	(2) 6199	+13	Ø	Ø	-38

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: (1) TRANSFERED TO BERLE TKR 3-14-11
(2) TRANSFERED PRIMARY SUMP TO LEACHATE TK 3-14-11

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	32.4	33.62	14.5	19.14	22.46	25.02	27.0
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		6277	6940	995	1817	2571	3261	3916
Record previous day's volume (gal) [H]	N/A		5348	6277	6940	995	1817	2571	3261
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+929	+663	(1) -5945	+822	+754	+690	+655
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	6.67	6.67	6.62	6.63	6.63	6.63	6.66
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		53	53	53	53	53	53	53
Record previous day's volume (gal) [J]	N/A		53	53	53	53	53	53	53
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		Ø	Ø	Ø	Ø	Ø	Ø	Ø
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø	Ø	Ø	Ø	Ø	Ø

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks: (1) TRANSFERED TO LEACHATE TK 3.14.11

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010
Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	0/8	0/5	0/5	0/5	0/5	0/5	0/5
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	✓	✓	✓	✓	✓	✓	✓
Ambient °F			50	42°	40°	42	42	40	34°
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	AUTO	AUTO	AUTO	Auto	Auto	AUTO
Primary Sump Pump TR31-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR31-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7)(8)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	ON	ON	OFF	OFF	OFF	OFF	OFF

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

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Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	ON	ON	ON	ON	ON	ON	ON

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level.*
(14): Setpoint approximately 6 inches decreasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date	Trench 31		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			Ø	Ø	Ø	Ø	Ø	Ø	Ø
Weekly Total									Ø
Average Daily Leak Rate		(14)(15)							Ø

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

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Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	① Y	① Y	① Y	③ N	② Y	② Y	Y ③
Does leachate tank or tank piping show leaks? Y/N	N		N	N	N	N	N	N	N
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N	N	N	N	N	N
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N	N	N	N	N	N
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1652391	1652391	1652944	1652944	1652944	1652944	1653718
Gallons (previous day) [B]	N/A		1652391	1652391	1652391	1652944	1652944	1652944	1652944
Difference between current and previous day: [A] - [B] (gallons)	N/A		0	0	② +553	0	0	0	+ 774

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks:

① Rain water + full of tumble weeds

② PUMPED Primary Sump to leachate tk 3-15

③ LOTS OF DIRT + TUMBLE WEEDS

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	7198	7198	7198	7198	7198	7198	7198
Gallons (previous day) [D]	N/A		7198	7198	7198	7198	7198	7198	7198
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	0	0	0	0	0	0	0
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		30.2	29.85	34.72	34.86	34.74	34.83	41.01
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		2683	2646	3245	3258	3245	3258	4056
Record previous day's volume (gallons) [F]	N/A		2658	2683	2646	3245	3258	3245	3258
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	+ 25	- 37	④ +599	+13	+13	+13	+798

(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, ***NOTIFY*** *SOM.*
(3): If number is negative and tank has not been pumped, ***NOTIFY*** *SOM.*
(17): If reading cannot be obtained due to moisture on site glass, ***NOTIFY*** *SOM*

Remarks: ① Pumped Primary Sump

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	25.08	27.13	27.06	28.67	30.21	31.46	30.81
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		3199	3860	3824	4440	5094	5738	5414
Record previous day's volume (gallons) [H]	N/A		2429	3199	3860	3824	4440	5094	5738
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+770	+661	-36	+616	+654	+644	-324
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	6.96	6.96	6.96	6.92	6.91	6.90	6.95
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		97	97	97	97	97	97	97
Record previous day's volume (gallons) [J]	N/A		97	97	97	97	97	97	97
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		0	0	0	0	0	0	0
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	0	0	0	0	0	0	0

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	(1) O/S	(1) O/S	O/S	O/S	O/S	O/S	O/S
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)			104.4	103.4	105.2	105.2	105.2
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)			81.1	83.0	77.5	77.5	77.5
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)			70.6	71.7	70.5	70.5	70.5
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)			72.2	73.1	72.1	72.1	72.1
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)			111.3	113.4	98.5	98.5	98.5
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)			112.7	114.8	98.2	98.2	98.2
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)			75.2	77.8	75.5 ~~64.5~~ OT 3/18	75.5	75.5
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)			67.3	67.7	64.5 ~~62.5~~ OT	64.5	64.5
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)			60.6	61.1	62.5 ~~67.7~~ OT	62.5	62.5
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)			66.6	65.8	67.0	67.7	67.7
Ambient °F			50°	41°	38.0	36.7	43°	42	35
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓	✓	✓	✓	✓	✓
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓	✓	✓	✓	✓	✓

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/publicdata.cfm
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks: (1) WEB SITE OUT OF SERVICE

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO	AUTO
Primary Sump Pump TR34-PS-P1	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump Pump TR34-SS-P3	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF	NF	NF	NF	NF	NF
Roof Indicator INDICATOR ON	OFF	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
High tank level	Verify red indicating light Off	(7,8,16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON	ON	ON	ON	ON	ON
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	OFF	OFF	OFF	OFF	OFF	OFF	OFF
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	OFF	OFF	OFF	OFF	OFF	OFF	OFF

(12): Setpoint 6 inches for T-31, decreasing level.
(13): Setpoint approximately 12 inches increasing level
(14): Setpoint approximately 6 inches decreasing level.
(16): Write switch position (ON/OFF) in box for that day.

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

Effective Date: 05/17/2010

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	Trench 34		03/14/11	03/15/11	03/16/11	03/17/11	03/18/11	03/1911	03/20/11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			0	0	0	0	0	0	0
Weekly Total									0
Average Daily Leak Rate		(14)(15)							0

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 05/12/2010

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Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: 03/14/11 Date Ending: 03/20/11

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	SL BURT		P. CAREY		SL BURT		SL BURT		D Tyra		D Tyra		P. CAREY	
	Sign	SC Burt		P. Carey		SC Burt		SC Burt		D Tyra		D Tyra		P. Carey	
	Date/Time	3-14-11	1002	3-15-11	0845	3-16-11	0900	3-17-11	0910	3/18/11	1630	3/19/11	1400	3-20-11	1243
Reviewed By:	Print	J M. Betty		J M Betty		J. M. Betty		J M. Betty		SL Carmichael		SL Carmichael		SL Carmichael	
	Sign	J M Betty		J M Betty		J M Betty		J M Betty		SL Carmichael		SL Carmichael		SL Carmichael	
	Date/Time	3/14/11	1315	3/15/11	1420	3/16/11	1311	3/17/11	1115	3-18-11	1640	3-19-11	1347	3-20-11	1335

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011

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Appendix A - Trench 31 and Trench 34 Daily Rounds

(Page 1 of 17)

Date	Trench 31		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	N ①	N ①					
Does leachate tank or tank piping show leaks? Y/N	N		N	N					
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N					
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N					
Primary/Secondary Flowmeter, TR31-SP-FI-1									
Gallons (current) [A]	N/A	(17)	2635705	2636500					
Gallons (previous day) [B]	N/A		2635705	2635705					
Difference between current and previous day: [A] - [B] (gallons)	N/A		Ø	+ 795					

(1): Liquid in secondary containment of leachate collection system must be removed within 24 hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① Dirt & Tumbleweeds

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 **Effective Date: 03/21/2011**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 2 of 17)

Date	Trench 31		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR31-SP-FI-2									
Gallons (current) [C]	N/A	(17)	51100	51100					
Gallons (previous day) [D]	N/A		51100	51100					
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø					
Leachate Tank Digital Indicator, TR31-ST-LI-3									
Current level (inches)	N/A		59.3	66.2					
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		6451	6819					
Record previous day's volume (gallons) [F]	N/A		6426	6451					
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	+25	+368					

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 **Effective Date: 03/21/2011**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 3 of 17)

Date	Trench 31		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR31-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max level	29.29	28.96					
Current volume (gallons) [G]From POP-SW-011, Appendix E	N/A		4798	4676					
Record previous day's volume (gal) [H]	N/A		3916	4798					
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		+882	-122					
Secondary Sump, TR31-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max level	6.64	6.62					
Current volume (gallons) [I]From POP-SW-011, Appendix F	N/A		53	53					
Record previous day's volume (gal) [J]	N/A		53	53					
Difference between current and previous day's volume: [I] - [J] (gallons) = SS (gallons)	N/A		Ø	Ø					
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	Ø	Ø					

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 **Effective Date: 03/21/2011**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 4 of 17)

Date	Trench 31		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S					
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)							
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)							
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)							
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)							
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)							
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)							
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)							
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)							
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)							
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)							
Ambient °F			44	53					
Are light indicators on TR31-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓					
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓					

(5): Trench 31 temps are taken locally.
(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 **Effective Date: 03/21/2011**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 5 of 17)

Date	Trench 31		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Pump Control Panel Data Collection & Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto					
Primary Sump Pump TR31-PS-P1	OFF	(16)	Off	Off					
Primary Sump Self-Priming Pump TR31-PS-P2	OFF	(16)	Off	Off					
Secondary Sump Pump TR31-SS-P3	OFF	(16)	Off	Off					
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF					
Roof Indicator INDICATOR ON	OFF	(16)	Off	Off					
High tank level	Verify red indicating light Off	(7)(8)(16)	Off	Off					

(7): Setpoint is approximately 80 inches.
(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.
*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011

Effective Date: 03/21/2011

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 6 of 17)

Date	Trench 31		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P1PUMP RUN	Verify red indicating light Off	(16)	off	off					
Primary Sump TR31-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	off	off					
Primary Sump TR31-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON					
Primary Sump TR31-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	off	off					
Primary Sump TR31-PS-P2PUMP RUN	Verify red indicating light Off	(16)	off	off					
Primary Sump TR31-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	off	off					
Primary Sump TR31-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	off	off					

9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 **Effective Date: 03/21/2011**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 7 of 17)

Date	Trench 31		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR31-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	off					
Secondary Sump TR31-SS-P3PUMP RUN	Verify red indicating light off	(16)	off	off					
Secondary Sump TR31-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	off					
Secondary Sump TR31-SS-P3HIGH START	Verify red indicating light off/on	(13)	off	off					
Secondary Sump TR31-SS-P3LOW STOP	Amber indicating light off/on	(14)	ON	off					

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level.*
(14): Setpoint approximately 6 inches decreasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011

Effective Date: 03/21/2011

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 8 of 17)

Date		Trench 31	3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 31 Calculation of Action Leakage Rate									
Daily Leak Rate			Ø	Ø					
Weekly Total									
Average Daily Leak Rate		(14)(15)							

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 Effective Date: 03/21/2011

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 9 of 17)

Date	Trench 34		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Daily Leachate Collection System Visual Inspection									
Can liquid (water, snow, ice) be seen in the leachate tank secondary containment? Y/N	N	(1)	N ①	N ①					
Does leachate tank or tank piping show leaks? Y/N	N		N	N					
Do aboveground portions of the leachate tank, tank piping and associated structural supports or secondary containment liner, show damage or degradation? Y/N	N		N	N					
Do general areas around the secondary containment show signs of erosion? Y/N	N		N	N					
Primary/Secondary Flowmeter, TR34-SP-FI-1									
Gallons (current) [A]	N/A	(17)	1654822	1656070					
Gallons (previous day) [B]	N/A		1653718	1654822					
Difference between current and previous day: [A] - [B] (gallons)	N/A		+1104	+1248					

(1): Liquid in secondary containment of leachate collection system must be removed within 24hrs of detection unless removal could damage liner (snow, ice, etc.) or pose safety hazards to operator.

*(17) If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM.*

Remarks: ① Dirt & Tumbleweeds

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 **Effective Date: 03/21/2011**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 10 of 17)

Date	Trench 34		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Secondary Flowmeter, TR34-SP-FI-2									
Gallons (current) [C]	N/A	(17)	7198	7198					
Gallons (previous day) [D]	N/A		7198	7198					
Difference between current and previous day: [C] - [D] = SFM (gallons)	N/A	(2)	Ø	Ø					
Leachate Tank Digital Indicator, TR34-ST-LI-3									
Current level (inches)	N/A		50.38	61.4					
Current volume (gallons) [E]From POP-SW-011, Appendix B	N/A		5293	6718					
Record previous day's volume (gallons) [F]	N/A		4056	5293					
Difference between current and previous day's volume: [E] - [F] (gallons)	N/A	(3)	*1237	*1425					

*(2): If SP-FI-2 increases without SP-FI-1 increasing an equal or greater amount, **NOTIFY** SOM.*
*(3): If number is negative and tank has not been pumped, **NOTIFY** SOM.*
*(17): If reading cannot be obtained due to moisture on site glass, **NOTIFY** SOM*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 **Effective Date: 03/21/2011**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 11 of 17)

Date	Trench 34		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump, TR34-SP-LI-1									
Current level (inches)	<34 in	(4) 39 in. max	29.36	27.32					
Current volume (gallons) [G]From POP-SW-011, Appendix C	N/A		4786	3932					
Record previous day's volume (gallons) [H]	N/A		5414	4786					
Difference between current and previous day's volume: [G] - [H] (gal)	N/A		-628	-854					
Secondary Sump, TR34-SP-LI-2									
Current level (inches)	<45 in	(4) 50 in. max	6.91	6.91					
Current volume (gallons) [I]From POP-SW-011, Appendix D	N/A		93	93					
Record previous day's volume (gallons) [J]	N/A		97	93					
Difference between current and previous day's volume: [I] - [J] (gal) = SS (gallons)	N/A		-4	Ø					
Daily Leak Rate (DLR)									
Secondary Sump volume difference SFM + SS = DLR (gallons)	670 gal.	(4)	-4	Ø					

*(4): If greater than limit, **NOTIFY** SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011

Effective Date: 03/21/2011

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 12 of 17)

Date	Trench 34		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Heat Trace Temperature Probe Readings (October 1 to March 31 only)									
TI-1, Unit 1, Zone 1 °F	> 40°F	(5)(6)	O/S	O/S					
TI-2, Unit 1, Zone 2 °F	> 40°F	(5)(6)	105	105					
TI-3, Unit 1, Zone 3 °F	> 40°F	(5)(6)	77	77					
TI-4, Unit 1, Zone 4 °F	> 40°F	(5)(6)	70	70					
TI-5, Unit 1, Zone 5 °F	> 40°F	(5)(6)	72	72					
TI-6, Unit 1, Zone 6 °F	> 40°F	(5)(6)	98	98					
TI-7, Unit 2, Zone 1 °F	> 40°F	(5)(6)	98	98					
TI-8, Unit 2, Zone 2 °F	> 40°F	(5)(6)	75	75					
TI-9, Unit 2, Zone 3 °F	> 40°F	(5)(6)	64	64					
TI-10, Unit 2, Zone 4 °F	> 40°F	(5)(6)	62	62					
TI-11, Unit 2, Zone 5 °F	> 40°F	(5)(6)	68	68					
Ambient °F			44	53					
Are light indicators on TR34-EL-PPC operable (push to test)?	Operable	✓ if OK	✓	✓					
Is roof indicator beacon light flashing?	Not flashing	✓ if OK	✓	✓					

(5): Trench 34 temps are taken from web page http://prc.rl.gov/rapidweb/trench34/public/publicdata.cfm

(6): If any temperature reading other than ambient is below 40°F or breakers are not positioned for heat trace, ***NOTIFY*** *SOM.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 **Effective Date: 03/21/2011**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 13 of 17)

Date	Trench 34		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection and Indicating Light Status									
Roof indicator light switch	AUTO	(16)	Auto	Auto					
Primary Sump Pump TR34-PS-P1	OFF	(16)	Off	Off					
Primary Sump Self-Priming Pump TR34-PS-P2	OFF	(16)	Off	Off					
Secondary Sump Pump TR34-SS-P3	OFF	(16)	Off	Off					
Roof Indicating Light (outside)	Not Flashing	(16)	NF	NF					
Roof Indicator INDICATOR ON	OFF	(16)	Off	Off					
High tank level	Verify red indicating light Off	(7,8,16)	Off	Off					

(7): Setpoint is approximately 80 inches.

(8): Setpoints are approximate levels. Once a high level indicating light is ON, the level will have to decrease past the setpoint to reset the light OFF. Once a low-level indicating light is ON, the level will have to increase past the setpoint to reset the light to OFF.

*(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 Effective Date: 03/21/2011

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 14 of 17)

Date	Trench 34		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Trench 34 Pump Control Panel Data Collection & Indicating Light Status									
Primary Sump TR34-PS-P1PUMP RUN	Verify red indicating light Off	(16)	Off	Off					
Primary Sump TR34-PS-P1PUMP FAIL	Verify red indicating light Off	(16)	Off	Off					
Primary Sump TR34-PS-P1HIGH START	Verify red indicating light Off/On	(9)(16)	ON	ON					
Primary Sump TR34-PS-P1LOW STOP	Amber indicating light Off/On	(10)(16)	Off	Off					
Primary Sump TR34-PS-P2PUMP RUN	Verify red indicating light Off	(16)	Off	Off					
Primary Sump TR34-PS-P2PUMP FAIL	Verify red indicating light Off	(16)	Off	Off					
Primary Sump TR34-PS-P2HIGH START	Verify red indicating light Off/On	(11)(16)	Off	Off					

(9): Setpoint approximately 12 inches increasing level. *(10): Setpoint approximately 6 inches decreasing level.*
(11): Setpoint approximately 31.5 inches increasing level. *(16): **WRITE** switch position (On/Off) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 Effective Date: 03/21/2011

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 15 of 17)

Date	Trench 34		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	Limit	Notes	Days	Days	Days	Days	Days	Days	Days
Primary Sump TR34-PS-P2LOW STOP	Amber indicating light off/on	(12)	off	off					
Secondary Sump TR34-SS-P3PUMP RUN	Verify red indicating light off	(16)	off	off					
Secondary Sump TR34-SS-P3PUMP FAIL	Verify red indicating light off	(16)	off	off					
Secondary Sump TR34-SS-P3HIGH START	Verify red indicating light off/on	(13)	off	off					
Secondary Sump TR34-SS-P3LOW STOP	Amber indicating light off/on	(14)	off	off					

(12): Setpoint 6 inches for T-31, decreasing level. *(13): Setpoint approximately 12 inches increasing level*
(14): Setpoint approximately 6 inches decreasing level. *(16): Write switch position (ON/OFF) in box for that day.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 **Effective Date: 03/21/2011**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 16 of 17)

Date	Trench 34		3-21-11	3-22-11	3-23-11	3-24-11	3-25-11	3-26-11	3-27-11
Day			Monday	Tues	Weds	Thurs	Friday	Sat	Sunday
Parameter	**Limit**	**Notes**	Days	Days	Days	Days	Days	Days	Days
Trench 34 Calculation of Action Leakage Rate									
Daily Leak Rate			~4	Ø					
Weekly Total									
Average Daily Leak Rate		(14)(15)							

*(14): **DIVIDE** total gallons by 7 to determine current average daily leak rate.*
*(15): If average daily rate is greater than 670 gallons, **NOTIFY** SOM that action leakage rate has been exceeded.*

Remarks:

Trench 31/34 Leachate Collection & Removal System Daily Inspections

Published Date: 03/16/2011 **Effective Date: 03/21/2011**

Appendix A - (Cont.) Trench 31 and Trench 34 Daily Rounds

(Page 17 of 17) **Signoffs for Trench 31 & 34 Daily Rounds**

Date Starting: 3-21-11 Date Ending: 3-27-11

Days		Monday		Tuesday		Wednesday		Thursday		Friday		Saturday		Sunday	
Performed By:	Print	Kim Armatis		Kim Armatis											
	Sign	K Armatis		K Armatis											
	Date/Time	3/21/11	1614	3/22/11	1526										
Reviewed By:	Print	R.A. Wahlquist													
	Sign	Roger Wahlquist													
	Date/Time	3/21/11	1630												

Remarks: