

EXHIBIT E

TABLE I-4
CID RDF POST-CLOSURE COST ESTIMATE
AREA 3 LANDFILL

NOTE: Post-closure activities for the Area 3 Landfill commenced on October 10, 2008 when it was certified closed. Costs are based on 14 years of post-closure remaining and 10 years of corrective action.

#	TASK	Units	Quantity	#/yr	# yrs	Unit Cost ¹	Extended Cost ²	Qual. ³
1	Mow and fertilize (if required) cover area (170 acres total)	acre	170	1	14	\$76	\$180,880	I
2	Dress and re-seed 3% of cover area (PC Year 17, 22 and 27)	acre	5	1	3	\$2,320	\$35,496	I
3	Landfill cap and surface water management system maintenance	LS	1	1	14	\$1,384	\$19,376	I
4	Semi-annual Inspection	each	1	2	14	\$416	\$11,648	I
5	Groundwater monitoring (Sampling & Analysis)							
6	- Routine Sampling (14 wells)	each	1	2	14	\$3,300	\$92,400	C
7	- Routine Analyses (14 wells)	each	1	2	14	\$3,891	\$108,948	C
8	- North Side GMZ Monitoring and Sampling (14 wells)	each	1	2	10	\$4,520	\$90,400	C
9	- South Side GMZ Monitoring and Sampling (16 wells)	each	1	2	10	\$3,375	\$67,500	C
10	- North Side GMZ Analyses (14 wells)	each	1	2	10	\$4,960	\$99,200	I
11	- South Side GMZ Analyses (16 wells)	each	1	2	10	\$3,916	\$78,320	I
12	5-Year GMZ Re-evaluation	each	1	1	2	\$10,360	\$20,720	I
13	Groundwater remediation system operation and maintenance	LS	1	1	10	\$13,382	\$133,820	I
14	Groundwater Well Survey (Biennial)	each	1	0.5	14	\$1,316	\$9,212	I
15	Groundwater Data Review, Reporting and Statistics	each	1	1	14	\$10,949	\$153,286	I
16	Security and fencing maintenance (10,200 lineal feet total)	feet	2% total	1	14	\$7.21	\$20,583	I
17	Leachate, condensate and extracted groundwater treatment and disposal (average of last 4 yrs)	gal	8,891,582	1	14	\$0.0700	\$8,713,750	A ⁴ , C
18	Leachate level monitoring and reporting	LS	1	1	14	\$6,009	\$84,126	I
19	Leachate Sampling & Analysis (35 IAC 724 Appendix I parameters)	LS	1	1	14	\$3,741	\$52,374	I
20	Leachate/Gas system maintenance	LS	1	1	14	\$34,607	\$484,498	I
21	Gas flare system maintenance	LS	1	1	14	\$11,076	\$155,064	I
22	Decommissioning of landfill gas system	LS	1	1	1	\$83,058	\$83,058	I
23	Landfill Gas monitoring - Gas Turbine: Quarterly sulfur sampling	LS	1	4	14	\$2,400	\$134,400	C
24	Air Monitoring - Subpart BB and CC Monitoring	each	1	1	14	\$6,550	\$91,700	C
25	Post-closure certification report	LS	1	1	1	\$13,843	\$13,843	I
26	Inspect benchmarks semi-annually and survey unit once every 10 years (annualized cost for survey in 2033)	LS	1	1	14	\$214	\$2,996	I
27	TOTAL						\$10,937,598	

Notes:

1. Unit costs are rounded to the number of decimal places shown.
2. Extended costs are rounded to the nearest dollar.
3. Qualifiers: C - Current cost; I - Costs were inflated to 2024 dollars by multiplying 2023 unit costs by the inflation factor of 1.036 provided by the IEPA.
4. A - Average (2020 = 10,675,389; 2021 = 6,812,333; 2022 = 10,002,909; 2023 = 8,075,698)

TABLE I-5

CID RDF POST-CLOSURE COST ESTIMATE

AREA 4 LANDFILL

NOTE: Post-closure activities for the Area 4 Landfill commenced on April 23, 2010 when it was certified closed. Costs are based on 16 years of post-closure remaining.

#	TASK	Units	Quantity	#/yr	# yrs	Unit Cost ¹	Extended Cost ²	Qual. ³
1	Mow and fertilize (if required) cover area (26 acres total)	acre	26	1	16	\$ 76	\$31,616	I
2	Dress and re-seed 3% of cover area (PC Year 17, 22 and 27)	acre	1	1	3	\$ 2,298	\$6,894	I
3	Landfill cap and surface water management system maintenance	LS	1	1	16	\$ 1,384	\$22,144	I
4	Semi-annual Inspection	each	1	2	16	\$ 416	\$13,312	I
5	Groundwater Monitoring (9 Dolomite wells and 10 Sand wells)							
6	- Sampling	each	1	2	16	\$ 5,015	\$160,480	C
7	- Analyses	each	1	2	16	\$ 5,391	\$172,512	I
8	Groundwater Well Survey (Biennial)	each	1	0.5	16	\$ 1,019	\$8,152	I
9	Groundwater Data Review, Reporting and Statistics	each	1	1	16	\$ 4,379	\$70,064	I
10	Security and fencing maintenance (7,200 lineal feet total)	feet	2% total	1	16	\$ 7.20	\$16,589	I
11	Leachate treatment and disposal (average of last 4 years)	gal	1,401,529	1	16	\$0.0700	\$1,569,712	A ⁴ , C
12	Leachate level monitoring and reporting	LS	1	1	16	\$ 5,900	\$94,400	C
13	Leachate Sampling & Analysis (35 IAC 724 Appendix I parameters)	LS	1	1	16	\$ 1,385	\$22,160	I
14	Leachate system maintenance	LS	1	1	16	\$17,996	\$287,936	I
15	Post-closure certification report	LS	1	1	1	\$17,303	\$17,303	I
16	Inspect benchmarks and survey unit once every 5 years (annualized cost for survey in 2033)	LS	1	1	16	\$ 39	\$624	I
17	TOTAL						\$2,493,898	
Notes: 1. Unit costs are rounded to the number of decimal places shown. 2. Extended costs are rounded to the nearest dollar. 3. Qualifiers: C - Current cost; I - Costs were inflated to 2024 dollars by multiplying 2023 unit costs by the inflation factor of 1.036 provided by the IEPA. 4. A = average (2020 = 1,571,969; 2021 = 1,220,137; 2022 = 1,207,170; 2023 = 1,606,841)								

TABLE I-6
CID RDF - CORRECTIVE ACTION COST ESTIMATE

The approved correction action program for the Area 1 and Area 2 SWMU's consists of the following tasks. Costs are based on 10 years of corrective action.

#	TASK	Cost Per Year	# yrs	Extended Cost ¹	Qual. ²
1	Operation and maintenance of a landfill gas management system for each landfill (Area 1)				
2	Landfill gas monitoring system - monthly checks of the extraction wells	\$4,629	10	\$46,290	I
3	Landfill gas monitoring system - semi-annual bar hole probe monitoring and river observations	\$600	10	\$6,000	C
4	Operation and maintenance of a leachate management system for each landfill				
5	Leachate management system - monthly checks of the removal wells and underground storage tank systems.	\$32,262	10	\$322,620	I
6	Leachate/contaminated groundwater treatment and disposal (14,458,266 gallons/year)	\$1,012,079	10	\$10,120,790	A ³ ,C
7	Quarterly groundwater piezometer level measurements for leachate compliance determinations	\$500	10	\$5,000	C
8	Inspecting/maintaining the final cover of each landfill				
9	Landfill cover for Areas 1 and 2 – quarterly checks for settlement, erosion and vegetative stress	\$1,387	10	\$13,870	I
10	Landfill cover maintenance (erosion, stressed vegetative areas, mowing, fertilizing and reseeded)	\$15,701	10	\$157,010	I
11	Maintenance of signs, fencing, security systems (6,460 lineal feet total)	\$931	10	\$9,310	I
12	Maintenance of run-on, run-off and stormwater control structures	\$3,178	10	\$31,780	I
13	TOTAL OPERATION AND MAINTENANCE COST			\$10,712,670	
14	Corrective Measures as required by B-27R2-M-7 and B-27R-CA-7, issued July 29, 2024				
15	Groundwater remediation system operation and maintenance	\$6,083	10	\$60,830	I
16	Groundwater remediation system quarterly inspection	\$15,800	10	\$158,000	C
17	Extracted groundwater treatment (included in Line 6, Leachate/contaminated groundwater treatment and disposal)	\$0	10	\$0	C
18	Groundwater Management Zone permit applications	\$8,516	1	\$8,516	I
19	Phytoremediation system inspection and maintenance	\$6,708	10	\$67,080	I
20	Phytoremediation system quarterly Corrective Measures Reports	\$10,981	10	\$109,810	I
21	Leachate level and volume reporting	\$3,600	10	\$36,000	C
22	Area 1 GMZ Monitoring Well Sampling	\$5,400	10	\$54,000	C
23	Area 1 GMZ Monitoring Well Analyses	\$2,926	10	\$29,260	C
24	Area 1 GMZ Groundwater Monitoring Data Review and Reporting	\$8,100	10	\$81,000	C
25	TOTAL CORRECTIVE MEASURES COST			\$604,496	
26	TOTAL			\$11,317,166	

Notes:

- Extended costs are rounded to the nearest dollar.
- Qualifiers: C - Current cost; I - Costs were inflated to 2024 dollars by multiplying 2023 unit costs by the inflation factor of 1.036 provided by the IEPA.
- A = Average (2020 = 15,584,838; 2021 = 10,420,768; 2022 = 15,708,795; 2023 = 16,118,664)