



**POSTCLOSURE
OPINION OF PROBABLE COST
(ADJUSTED FOR INFLATION)**

**FOR THE
GPC CCR LANDFILL**

MUSCATINE, IOWA

CLOSURE PERMIT NO. 58-SDP-03-92C-CCR

	I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.	
		11/25/2025
	Trenton S Humphrey, P.E.	Date
	License No. P27585	
	My renewal date is December 31, 2027	
	Pages or sheets covered by this seal: All pages.	
	Entire Document	

*Corrected from previously submitted on 2/18/25 due to error in mathematical output of incorporation of previous years amended value to new adjusted years value.

GPC CCR LANDFILL
POSTCLOSURE OPINION OF PROBABLE COSTS
CLOSURE PERMIT NO. 59-SDP-03-92C-CCR

SUMMARY

Postclosure status; Permit effective January 3, 2019 through January 3, 2029

Amended
Estimate (2025)

POSTCLOSURE COMPONENT

1. General site facilities, access roads and fencing maintenance	\$31,582.21
2. Cap and vegetative cover maintenance	\$94,746.93
3. Drainage and erosion control systems maintenance	\$40,939.79
4. Groundwater and surface water monitoring systems maintenance	\$5,848.47
5. Groundwater and surface water quality monitoring and reports	\$126,328.83
6. Facility inspections and reports	\$88,897.13
7. Engineering and technical services	\$5,848.47
8. Legal, financial and administrative services	\$106,443.88
Subtotals	<u>\$500,635.71</u>

Summary

CLOSURE COSTS (Landfill Closed)	\$0.00
POSTCLOSURE COSTS	<u>\$500,635.71</u>
TOTAL CLOSURE/POSTCLOSURE COSTS	\$500,635.71

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Postclosure Permit - 10 years (1/3/2019-1/3/2029)

The baseline estimate is adjusted annually for inflation

The current year's inflation factor is:

1.024

IDNR Updated (01/30/2025)

Description	Quantity	Units	Current Year Inflation Adjusted \$/Unit	Extension	Amended Estimate (2025)
1. General site facilities, access roads and fencing maintenance					
a. General facilities/labor (annual)	10	events	\$1,403.66	\$14,036.58	
b. Access roads (annual)	10	events	\$1,169.72	\$11,697.15	
c. Fence maintenance (annual)	10	events	\$584.85	\$5,848.47	
				<u>\$31,582.21</u>	\$31,582.21
2. Cap and vegetative cover maintenance					
a. Mowing (annual)	10	events	\$2,807.31	\$28,073.06	
b. Erosion repair (annual)	10	events	\$5,848.57	\$58,485.66	
c. Reseeding (annual)	10	events	\$818.82	\$8,188.21	
				<u>\$94,746.93</u>	\$94,746.93
2. Drainage and erosion control systems maintenance					
a. Letdown structures repair (annual)	10	events	\$584.85	\$5,848.47	
b. Sediment pond dredging	1	events	\$8,772.83	\$8,772.83	
c. Terrace repairs (annual)	10	events	\$2,339.42	\$23,394.20	
d. Rip rap repair	1	events	\$2,924.28	\$2,924.28	
				<u>\$40,939.79</u>	\$40,939.79
4. Groundwater and surface water monitoring systems maintenance					
a. Letdown structures repair (annual)	10	events	\$584.85	\$5,848.47	
				<u>\$5,848.47</u>	\$5,848.47
5. Groundwater and surface water quality monitoring and reports *					
a. Field sample collection	10	events	\$4,912.79	\$49,127.94	
b. Sample analysis	10	events	\$2,456.39	\$24,563.92	
c. IDNR annual water quality reports	10	events	\$5,263.70	\$52,636.98	
				<u>\$126,328.83</u>	\$126,328.83
6. Facility inspections and reports					
a. Monthly site inspections	120	events	\$584.85	\$70,181.68	
b. Annual site inspection by licensed engineer	10	events	\$1,871.54	\$18,715.44	
				<u>\$88,897.13</u>	\$88,897.13
7. Engineering and technical services					
a. Site engineering	10	events	\$584.85	\$5,848.47	
				<u>\$5,848.47</u>	\$5,848.47
8. Legal, financial and administrative services					
a. Legal, financial and administrative services	10	events	\$5,848.57	\$58,485.66	
b. Financial assurance updates	10	events	\$1,169.72	\$11,697.15	
c. Accounting	10	events	\$2,222.45	\$22,224.49	
d. Audits/reports	10	events	\$1,403.66	\$14,036.58	
				<u>\$106,443.88</u>	\$106,443.88

Total Postclosure Cost Estimate **\$500,635.71**

* IAC Chapter 103 monitoring requirements in effect as of 2018.