

POST-CLOSURE COST COMPARISON

ACRES: **25**

I Subtitle D Vegetative Soil Closure

ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNITS	BUDGET UNIT COST	Per Event	Per Year Avg.
Post-Closure Maintenance						
1	Mowing (4 events Per Year)	25	Acres	\$ 45	\$ 1,125.00	\$ 4,500
2	Erosion Control (two events per year)	2.0	Event	\$ 500	\$ 1,000.00	\$ 2,000
3	Reseeding (1/3 of area, twice per year)	25	Acres	\$ 75	\$ 625.00	\$ 1,250
4	Fertilizing (1/3 area once per year)	25	Acres	\$ 150	\$ 1,250.00	\$ 1,250
5	Soil Replacement -typical 1 tons/per acre per year avg* (per EPA)	25	Tons	\$ 15	\$ 375.00	
6	Pond Cleanout (avg once per every 4 years, 2 ponds per 25 acres)	2.0	Ponds	\$ 2,500	\$ 5,000.00	\$ 1,250
7	Major storm event repair (4 hrs equipment** after 2 event/ year)	4	Hours	\$ 400	\$ 1,600.00	\$ 3,200
8	GCCS O & M (2 % OF INITIAL CAPITAL COSTS OF \$25K PER ACRE)	25	Acres	\$ 500		\$ 12,500
9	GCCS NSPS Compliance (wells and surface scanning)	12	Months	\$ 2,500		\$ 30,000
10	Site Inspection (1 inspection per quarter)	40	Hours	\$ 70		\$ 2,800
11	Financial Assurance - 2% per year	1.0				\$ 1,175
ANNUAL POST-CLOSURE MAINTENANCE						\$59,925
PER ACRE ANNUAL MAINTENANCE						\$ 2,397

II ClosureTurf

ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY	UNITS	BUDGET UNIT COST	Per Event	Per Year Avg.
Post-Closure Maintenance						
1	Mowing (4 events Per Year)	25	ACRE	\$ -	\$ -	\$0
2	Erosion Control (two events per year)	2	Event	\$ -	\$ -	\$0
3	Reseeding (1/3 of area, twice per year)	25	ACRE	\$ -	\$ -	\$0
4	Fertilizing (1/3 area once per year)	25	ACRE	\$ -	\$ -	\$0
5	Soil Replacement -typical 1 tons/per acre per year	25	Tons	\$ -	\$ -	\$0
6	Pond Cleanout (avg once per every 8 years)	2	Ponds	\$ 2,500.00	\$ 5,000.00	\$625
7	Major storm event repair (5 hrs equipment* after 1 event/ year)	5.0	Hours	\$ -	\$ -	\$0
8	GCCS O & M (2 % OF INITIAL CAPITAL COSTS OF \$8K PER ACRE)	25	Acres	\$ 160		\$ 4,000
9	GCCS NSPS Compliance (wells and surface scanning)	12	Months	\$ 800		\$ 9,600
10	Site Inspection (1 inspection per quarter)	40.0	Hours	\$ 70		\$2,800
11	Financial Assurance - 2% per year	1.0				\$341
ANNUAL POST-CLOSURE MAINTENANCE						\$17,366
PER ACRE ANNUAL MAINTENANCE						\$ 695

* Price base of \$15 per ton is due to small volume

**Above assumes dozer, loader and articulated dump and 4 hours for every 25 acre increment.

Projected Costs Comparison for 30 years Post-Closure

I	Subtitle D with Vegetative Cover	\$ 1,797,750
II	ClosureTurf	\$ 520,965
	Post Closure Savings Per Acre Using ClosureTurf	\$ 51,071