

NFMU9

Construction Cost Estimate

	<u>QTY</u>	<u>UNIT</u>	<u>COST</u>	<u>TOTAL</u>	<u>CATEGORY TOTAL</u>
<u>CONSTRUCTION</u>					
E&S Controls	6	AC	\$1,312	\$7,872	
Clear and Grubb	5	AC	\$1,463	\$7,315	
Access Road	100	LF	\$8.27	\$827	
Revegetation	4.5	AC	\$609	\$2,741	
Mobilization/Demob	1	LS	\$6,500	\$6,500	
Fence	700	LF	\$17.16	\$12,012	
Construction Equipment & Labor	1	JOB	\$126,357	\$126,357	
			TOTAL CONSTRUCTION COST:		<u>\$163,624</u>
<u>CONSTRUCTION MATERIALS</u>					
Geotextiles	4226	SY	\$0.50	\$2,113	
Pipe - Solid, Perf, Fittings, Etc.				\$21,138	
Stone - AASHTO #1	2000	T	\$12.50	\$25,000	
Stone - AASTHO #57	300	T	\$11.50	\$3,450	
Stone - Rip Rap	400	T	\$12.50	\$5,000	
Compost	350	CY	\$10.00	\$3,500	
			TOTAL CONSTRUCTION MATERIALS COST:		<u>\$60,201</u>
<u>CONTRACTUAL</u>					
Permitting				\$19,500	
Design				\$29,500	
Survey				\$4,500	
Analysis				\$3,920	
			TOTAL CONTRACTUAL COST:		<u>\$57,420</u>
<u>LAND ACQUISITION COSTS</u>					
Estimated Cost	6	ac	\$2,500	\$15,000	
			TOTAL LAND ACQUISITION COST:		<u>\$15,000</u>
			TOTAL INSTALLATION COSTS:		<u>\$296,245</u>

Estimated Annual Operation and Maintenance Costs: **\$240 - \$2,480**

Permits & Approvals Anticipated to be Required for System Construction

HOP	PA One Call	PNDI	GIF
PHMC	PPC	NPDES	E&S
Joint Permit	Restoration Waiver	EA	GP-4

Estimated total time to obtain all necessary permits and approvals: **6-12 months**

Permits & Approvals: The list of anticipated Permits & Approvals and estimated timeframe is based on current regulations and experience with similar projects. This list and estimated timeframe is subject to change based on revised regulations and other factors. Please see the Permit and Approval Section of this report for a more detailed description of the permits listed.

Cost estimate basis: Average BAMR Cost (Daniel Sammarco, PE, PA DEP, 2nd Annual Southwest Watershed Workshop, Greensburg, PA 10/21/00) adjusted for inflation (5 years) at 3.1% per year; AMD Treat 3.1, 2002, (US Dept. of Interior, Office of Surface Mining); representative contractual and construction costs from recent grants awarded through the PA DEP Growing Greener Program; other available information including vendor quotes/invoices and internet sites. All costs are estimates and are subject to change based on further project development, inflation, and other factors.