

Applicant: <u>Shannon, LLC</u>
Mine Name: <u>Shannon Mine No. 4</u>
Permit Number: <u>P-3959</u>

Part V - Bonding

A. Site Conditions (805.11)

1. Briefly describe the site conditions within the increment which you are currently proposing to mine by answering the following:

- (a) Average pre-mining slope 30 %
- (b) Percent sandstone 34%
- (c) Final highwall slope (average) (if applicable) 33%
- (d) Acres Prime Farmland -0-
- (e) Average pH of topsoil or topsoil substitute 6.0

Note: If pH range over the increment area is greater than one pH unit (units 1 through 14), give approximate number of acres which fall within each unit.

- (f) Overburden acid-base account (expressed as tons of calcium carbonate per 1,000 tons material) N/A
(only if total sulfur exceeds 0.5%)
- (g) Acres abandoned land located in proposed permit area
N/A

B. Estimate of Reclamation Cost (780.18)

Give a detailed estimate of your cost of reclamation for the increment you are currently proposing to mine. Give individual cost estimates for grading, highwall elimination, topsoil (or topsoil substitute) replacement, revegetation and any other cost which may be applicable (prime farmland, hydrologic factors, etc.). Show Calculations.

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ATTACHMENT V.-B.
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Increment No. 1

Grading		
460 acres at \$1,500.00/acre.....	\$	690,000.00
Revegetation		
460 acres at \$800.00/acre.....	\$	368,000.00
Highwall Elimination (Drill and Shoot) 3800 linear feet at 323 foot average height.....	\$	5,506,252.00
Topsoil Replacement		
10 acres at \$500.00/acre.....	\$	5,000.00
Topsoil Substitute		
450 acres at \$200.00/acre.....	\$	90,000.00
Post Mine Forest		
460 acres at \$150.00/acre.....	\$	69,000.00
Temporary Impoundments		
7 at \$ 20,000.00/acre.....	\$	140,000.00
Total.....	\$	6,868,252.00
Add 15% Contractor Profit.....	\$	1,030,237.00
GRAND TOTAL.....	\$	7,898,489.00

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Increment No. 6

Topsoil Substitute		
48 acres at \$200.00/acre.....	\$	9,600.00
Post Mine Forest		
63 acres at \$150.00/acre.....	\$	9,450.00
Haulroads		
15 acres at \$1,000.00/acre.....	\$	15,000.00
Coal Stockpile		
48 acres at \$2,000.00/acre.....	\$	96,000.00
Scale at \$1,500.00.....	\$	1,500.00
Total.....	\$	131,500.00
Add 15% Contractor Profit.....	\$	19,732.00
GRAND TOTAL.....	\$	151,282.00

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Coal Stockpile		
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Scale at \$1,500.00.....	\$	1,500.00
Total.....	\$	131,500.00
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