



pennsylvania
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Bureau of Mining Programs

2016 Bond Rate Guidelines for the Calculation of Land Reclamation Bonds on Coal Mining Operations

MRAB Meeting
January 21, 2016

2015 AML Reclamation Grading Costs

- 12 reclamation projects with 3,047,579 total cubic yards
- Cost per cubic yard ranged from \$0.67 to \$1.70
- 3 low bid averages at \$.89, \$1.06, and \$0.91 for a weighted average of \$.95
- Current 2013 – 2015 weighted average at \$0.92 for 500 ft. or less
- Additional yardage of 913,610 cubic yards at cost per cubic yard from \$1.50 to \$4.00. Grading from one area to another area or haulage.
- 3 lowest bid averages were \$2.89, \$2.88, and \$3.74 for a weighted average of \$3.17.

2015 Bond Rate Summary

- Grading (<500 Ft push) \$.90 per Cu Yd
- Grading (\geq 500 Ft push/haul) \$1.50 per Cu Yd
- Selective Grading \$1,700 per Acre
- Revegetation \$1,900 per Acre

2015 Bond Rate Summary

- Tree Planting \$2.23 per tree.
- Based on reclamation contract amounts rather than DCNR nursery stock price.
- Keep at \$.75 per tree

2015 Bond Rate Summary

- Ditch Excavation \$6.25 per Cubic Yd
- Jute Matting \$3.80 per Square Yd
- HV Erosion Control \$3.00 per Square Yd

2015 Bond Rate Summary

- AASHTO No. 1 \$29.00 per Ton
- AASHTO No. 57 \$33.00 per Ton
- R3 Rock Lining \$37.00 per Ton
- R4 Rock Lining \$28.00 per Ton

2015 Bond Rate Summary

- R5 Rock Lining \$27.00 per Ton
- Geotextile/Filter Fabric \$2.50 per Square Yd
- PVC Lining \$12.00 per Square Yd

2015 AML Reclamation Mulch, Seed Bed Preparation and Seed Costs

- Mulch cost per acre of 3 lowest bids was \$853.13
- 3 year weighted average of Mulch cost is \$837.18
- Seed Bed Prep cost per acre of 3 lowest bids at \$179.94
- 3 year weighted average of Seed Bed Prep is \$239.33
- Seed cost per acre of 3 lowest bids at \$256.74
- 3 year weighted average of Seed is \$287.39

2015 Bond Rate Summary

- Subsurface Drain \$19.00 per Lineal Ft
- Stage 3 Maintenance Bond Non-Cropland
\$100 per Acre
- Stage 3 Maintenance Bond Pastureland or Hay
\$500 per Acre

2015 Bond Rate Summary

- Stage 3 Maintenance Bond Cropland Row
Crops \$800 per Acre

2016 Bond Rate Effective Date

- Effective Date is April 1, 2016
- Publish in *PA Bulletin* During February or March 2016



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