

**New York State Department of Environmental Conservation
 Division of Mineral Resources
 Mined Land Reclamation Program**



**Financial Security
 Calculation Form
 Revised January 2012**

Indicate the transaction for which this calculation is being made:

Mine ID: _____ Applicant/Permittee: _____

New Permit _____ Modification Permit _____

Renewal Permit _____ Permit Transfer _____

Request for re-calculation or bond reduction (i.e concurrent work done) _____

Other (i.e. compliance inspection, or enforcement action) _____

Mined Land Reclamation Specialist: _____

Date: _____

Instructions:

Mined Land Reclamation staff shall determine the amount of the financial security based upon the estimated cost of reclaiming the affected land, which shall be based on the information contained in the permit application and upon such information as an investigation may disclose.

Check (X) the basis of the measurements:

Survey Instrumentation _____ Range Finder _____

GPS Unit _____ Estimated from Maps _____

Estimated from Air Photo _____ Other: _____

List mining operation information considered (i.e. mineral type, mining method +/-or equipment):

Land-use considerations (i.e. water-based, meadow, agricultural crop, etc.):

Affected Acreage _____ Water-Based Acreage _____

Total Acres used in Calculation _____ Basic/Agricultural Acreage _____

Insert information into boxes below; spreadsheet will calculate amounts. Attached additional worksheets if necessary.

1. Mobilization (enter # of machines) _____ Subtotal 0.00

2. Mine Floor Backfilling and Grading:(enter # of acres acres) _____ Subtotal 0.00

Notes:

3. Slope Treatment (i.e. linear computations, mine perimeter, high-wall scaling, un-consolidated slope, wet excavation sidewall):(enter # of acres) _____ Subtotal 0.00

Notes:

4. Disposal of Solid Waste, Refuse, Junk, Trash, Personal Property (fixed or mobile): (enter # of tons) _____ Subtotal 0.00

Notes:

5. Demolition (enter # of square feet)	Structure/No Foundation	_____	Subtotal	0.00
	Foundation 6" Concrete	_____	Subtotal	0.00

Notes:

6. Erosion & Sediment Control (enter # of lineal feet)	Silt Fence	_____	Subtotal	0.00
	Staked Hay Bales	_____	Subtotal	0.00

Notes:

7. Distribution of Piled Material (i.e. product, overburden, growth medium, vegetation)(enter # of cubic yards) _____ Subtotal 0.00

Notes:

8. Revegetation (enter # of acres for each item)	Lime	_____		Subtotal	0.00
	Fertilizer	_____			
	Seed Mix Cold Season	_____			
	Seed Mix Warm Season	_____			
	Mulch	_____			
	Tree & Shrub Seedlings	_____			

9. Site Clearing (Trees 6 Inches dbh) Per Acre _____ Subtotal 0.00

Notes:

10. Soil De-Compaction (Ripping/Ac/ft) Per Acre	Till/Hardpan	_____	Subtotal	0.00
	Soft Shale	_____	Subtotal	0.00

Notes:

11. Hauling (8CY/1.0 mile round trip) Per LCY _____ Subtotal 0.00

Notes:

12. Fence (6 ft Chain Link)	Per LF	_____	Subtotal	0.00
<u>Notes:</u>				
13. Miscellaneous treatments to implement approved reclamation plan: (enter as lump sum) ex: Local topsoil price.		_____	Subtotal	0.00

Notes:

Total Financial Security Amount:				0.00
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Calculated Financial Security Amount Per Acre:				#DIV/0!
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Reclamation costs based on 2012 R.S. Means Site Work & Landscape Cost Data (Calculation Work Sheet Revised 1/10/12).

Form Revised January 2012

Mine Reclamation Cost Variables

	Amount	Per Unit
1. Mobilization: Fixed Rate at \$246.00 x 2 (1 Machine/In-out)	\$492.00	Fixed cost
2. Mine Floor Backfilling and Grading:	\$2,847.00	Per acre
3. Slope Treatment (i.e. Linear Computations, Mine Perimeter, High-wall Scaling, Un-consolidated Slope)	\$3,212.00	Per acre
4. Disposal of Solid Waste, Refuse, Junk, Trash, Personal Property (fixed or mobile):	\$90.00	Per ton
5. Demolition of:		
Structure with No Foundation	\$3.28	Per sq ft
Foundation 6" Concrete	\$6.45	Per sq ft
6. Erosion & Sediment Control		
Silt Fence	\$0.82	Per LF
Staked Hay Bales	\$12.25	Per LF
7. Distribution of Piled Material (i.e. Product, Overburden, Growth Medium, Vegetation)	\$4.46	Per BCY
8. Revegetation		
Lime	\$546.00	Per acre
Fertilizer	\$765.00	Per acre
Seed mixture (Cool Season sp.)	\$1,503.00	Per acre
Mulch	\$492.00	Per acre
Tree & Shrub Seedlings	\$1,804.00	Per acre
Seed Mixture (Warm Season sp.)	\$1,639.00	Per acre
9. Site Clearing (Trees 6 inches dbh)	\$4,375.00	Per acre
10. Soil De-compaction (Ripping)		
Till/Hardpan/\$0.46/BCY (1613 BCY/Ac/ft)	\$742.00	Per Ac/ft
Soft Shale/\$1.84/BCY (1613 BCY/Ac/ft)	\$2,968.00	Per Ac/ft
11. Hauling (8 CY/1.0 mile round trip)	\$3.02	Per LCY
12. Fence (6 ft Chain Link)	\$14.55	Per LF
13. Miscellaneous treatments to implement approved reclamation plan: (enter lump sum) ex. Topsoil/CY/Regional Cost		

Abbreviations:

SY Square Yard
 CY Cubic Yard
 BCY Bank Run Cubic Yard
 LF Linear Foot
 LCY Loose Cubic Yard

Reclamation costs based on 2012 R.S. Means Site Work & Landscape Cost Data
Revised (1/10/12).