

Bureau of Land Management Notice Level Reclamation Cost Estimation Worksheet	
Costs for this Notice Level Reclamation Cost Estimator are based on values and assumptions used in the Standardized Reclamation Cost Estimator (SRCE) Version 1.1.2. Cost Data are from August 1, 2007. This worksheet is simpler than the SRCE and does not allow the flexibility of entering project specific information in some situations. The model will generate approximately the same reclamation costs as the SRCE model if the same inputs and assumptions are applied. Below are the methods and assumptions used by this model to generate a Financial Guarantee Amount.	
1. There are two side hill slope categories used for all calculations in this worksheet. All slopes under 30% (<30%) are assumed to have a slope of 20%. All slopes over 30% (>30%) are assumed to have a slope of 40%.	
2. All Roads in this worksheet are assumed to have a 14 foot wide dimension across the flat "driveable" part of the road without any safety berms.	
3. All Drill Sites in this worksheet are assumed to be 30 feet wide. For Drill Sites on slopes <30% they are 70 feet long. For Drill Sites on slopes >30% they are 83 feet long.	
4. All Road and Drill Sites cut banks are assumed to have a 60 degree slope.	
5. All Road and Drill Sites fill slopes are assumed to have an angle of repose of 1.4H:1V or about 70% slope equal to a 35 degree angle.	
6. Roads are linear features and the units required for input to this worksheet are in linear feet.	
7. Recontouring for reclamation of Roads, Drill Sites, and Sumps is done with a track excavator of a Cat 320C size with a 1.57 CY bucket and productivity of 139 CY per hour.	
8. Equipment operator Manpower cost is based on Davis-Bacon wage rates for Northern Nevada.	
9. Area pay = \$3.00 per hour, FICA = 7.65%, Unemployment = 3%, and Workmen's Comp = 9.50%.	
10. Laborer cost is based on Davis-Bacon wage rates for Northern Nevada with Area pay = \$2.00 per hour, FICA = 7.65%, Unemployment = 3%, and Workmen's Comp = 9.50%.	
11. Revegetation cost is based on the cost of use of a D4 class dozer which scarifies, seeds and drags the seed in on one pass.	
12. Revegetation costs are based on a per acre basis.	
13. Drill Sites recontouring cost is based on a standard pad width and length.	
Drill Sites on slopes <30% and Cross Country Drill Sites are 30 feet wide by 70 feet long.	
On Cross Country Drill Sites, the disturbed area is ripped by a Cat D6 size dozer.	
On Drill Sites >30% slopes they are assumed to be outside the Drill Site.	
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14. Trenches are assumed to be 300 feet long by 14 feet wide by 5 feet deep. They are recontoured with a Cat D6 sized dozer assuming a 208 CY hour productivity.	
15. Recontouring earthwork for Roads, Drill Sites and Sumps has an assumed swell factor of 20%. Trenches swell factor is 30%.	
16. Cross Country travel is assumed to have a disturbance of 6 feet wide by the linear feet of travel on slopes under 10%.	
Revegetation costs for all Cross Country disturbance is based on a 12 foot wide seeding with on one pass.	
17. Mobilization and Demobilization are based on 150 miles one way to project and are based on the 2007 SRCE & ES Means with Davis-Bacon Mobil/Demob worksheet.	
Travel times are assumed to be 2.73 hours one way to the project.	
18. Mobilization for a Cat 320C excavator will be charged for regrading of Roads, Drill Sites only.	
If any Trenches or Cross Country travel is included a D6 dozer will be mobilized also.	
19. All projects that propose drilling will require a minimum Drill Holes Open abandonment cost.	
If a drill hole will not penetrate the static water level it may be abandoned as an Open Hole - Dry.	
If a drill hole is drilled deeper than the static water level it is considered a wet hole and must be abandoned as an Open Hole - Wet.	
20. Mobilization for Drill Holes - Open for Open Hole - Wet will include one drill rig plus crew and support equipment.	
21. Mobilization for Drill Holes - Open for Open Hole - Dry will include one backhoe and operator, and one general laborer.	

Nevada BLM, April 8, 2008

BLM, Frank Bergwall

6/11/2008

CERTIFICATE OF SERVICE

Pursuant to NRAP Rule 25(1)(c), I hereby certify that I am an employee of ALLISON, MacKENZIE, PAVLAKIS, WRIGHT & FAGAN, LTD., Attorneys at Law, and that on this date, I caused a CD-ROM version of same to be served to all parties to this action by:

_____	Placing a true copy thereof in a sealed postage prepaid envelope in the United States Mail in Carson City, Nevada
_____	Hand-delivery - via Reno/Carson Messenger Service
_____	Facsimile
_____	Federal Express, UPS, or other overnight delivery
<u> X </u>	E-filing pursuant to Section IV of District of Nevada Electronic Filing Procedures

fully addressed as follows:

Bryan L. Stockton	<u>bstockton@ag.nv.gov</u>
Senior Deputy Attorney General's Office	
Nevada Attorney General's Office	
100 North Carson Street	
Carson City, NV 89701	

Ross E. de Lipkau	<u>rdelipkau@parsonsbehle.com</u>
Parsons Behle & Latimer	
50 West Liberty Street, Ste 750	
Reno, NV 89501	

Therese A. Ure	<u>t.ure@water-law.com</u>
Laura A. Schroeder	<u>schoeder@water-law.com</u>
Schoeder Law Offices, P.C.	
400 Marsh Avenue	
Reno, NV 89509	

X

Placing a true copy of a CD-ROM version thereof in a sealed postage prepaid envelope in the United States Mail in Carson City, Nevada

fully addressed as follows:

John R. Zimmerman jzimmerman@parsonsbehle.com
Parsons Behle & Latimer
50 West Liberty Street, Ste 750
Reno, NV 89501

Francis M. Wikstrom
Parsons Behle & Latimer
201 South Main Street, Ste 1800
Salt Lake City, UT 84111

DATED this 21st day of December, 2012.

/s/ Nancy Fontenot

Project Name: IGMI - Water Supply Exploration- Notice or Exploration
Date of Submittal: April 3, 2006
File Name: Water Supply_040306_1_0.xls
Model Version: Version 1.0
Data Cost File: CostData STD NV2005.xls

Seed Mixture						
Common Name	Scientific Name	Species Number of Seeds / lb	Species % in Mix	PLS/acre	Cost/Lb	Cost/Acre
Grasses						
Ephraim Crested Wheatgrass	<i>Agropyron Cristatum var. Ephraim</i>			0.5	1.87	\$0.94
Thickspike Wheatgrass	<i>Agropyron das.</i>	154,000	4.4	0.5	2.4	\$1.20
Bluebunch Wheatgrass	<i>Agropyron sp.</i>	117,000	23.42	3.5	6.6	\$23.10
Great Basin Wildrye	<i>Elymus cinereus</i>	95,000	8.15	2.5	10.2	\$25.50
Big Bluegrass	<i>Poa ampla</i>	917,000	13.11	0.25	2.47	\$0.62
Indian Ricegrass	<i>Oryzopsis hystrix</i>	188,000	5.38	0.5	7.8	\$3.90
Sandberg Bluegrass	<i>Poa secunda</i>	925,000	13.23	0.25	6	\$1.50
Forbs						
Blue Flax				0.25	4.8	\$1.20
Small Burnet	<i>Sanguisorba</i>	55,000	1.57	0.5	1.73	\$0.87
Forge Kochia	<i>Kochia prostrata</i>	407,700	2.33	0.1	18	\$1.80
Palmer Penstemon	<i>Penstemon palmeri</i>	610,000	3.49	0.1	22	\$2.20
Shrubs						
Fourwing Saltbrush	<i>Atriplex canescens</i>	52,000	5.95	0.75	9.6	\$7.20
Antelope Bitterbrush	<i>Purshia tridentata</i>	15,000	0.43	1	32.6	\$33.60
Winterfat	<i>Eurotia lanata</i>	111,000	1.59	0.25	34.62	\$8.66
Wyoming Big Sagebrush	<i>Artemisia tridentata</i>	2,500,000	7.15	0.05	66	\$3.30
Total				11		\$415.57



Eureka Moly LLC.

2215 North 5th St.
Elko, NV 89801
Phone: 775.748.6008
Fax: 775.753.7722
Email: progers@generalmoly.com
Website: www.generalmoly.com

April 13, 2010

Mr. Doug Furtado
Bureau of Land Management
Battle Mountain Field Office
50 Bastian Road
Battle Mountain, Nevada 89820

RE: Mount Hope Notice NVN 081811 - Notification of Notice Extension; 3809 (NV063)

Dear Doug:

This is to inform the Bureau of Land Management (BLM) that General Moly, Inc. (General Moly) is seeking to extend under the provisions of 43 CFR §3809.333, Notice NVN-081811, which is due to expire on April 17, 2010, for two more years. An updated reclamation cost estimate is attached for your review.

Summary of Current Disturbance

The current total disturbance associated with this Notice is 3.2 acres, with 11,500 feet of open holes-wet and 11,500 feet of casing.

Reclamation Cost Estimate

The reclamation cost estimate was calculated using the Notice Model **SRCE 2009 Cost Data Version 3.2** provided by the BLM. All previous disturbance under this Notice has been included in the reclamation cost estimate update. Using this model and entering the disturbance data resulted in a reclamation cost estimate of \$125,811. This reduces the bond required for this Notice by \$27,068 from the previous allocation of \$152,838.

If you have any questions regarding this Notification of Notice Extension for Notice 081811, please contact me at 775-237-7702 or Pat Rogers at 775-748-6008.

Sincerely,
Eureka Moly, LLC

Carrie M. Dubray
Sr. Environmental Coordinator
Mount Hope Project

Attachments: Notes to SRCE-based Reclamation Cost Model
Attachment 1 – Reclamation Cost Estimate

cc: Pat Rogers, GMI
File

RECEIVED-MAILROOM
2010 APR 15 AM 5:46
BUREAU OF LAND MANAGEMENT
BATTLE MOUNTAIN
DISTRICT OFFICE

Notes to SRCE-based Reclamation Cost Model with Calculators

The BLM has requested that the SRCE-based Reclamation Cost Model with Calculators be used for determining the estimated reclamation costs for Notices. This Model has several assumptions that cannot be changed by the user. As a result, the Model calculates the area of disturbance based on these assumptions and not on the actual disturbance footprints.

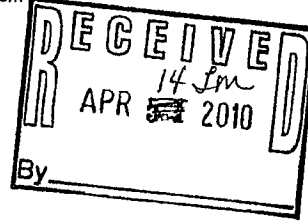
The Model was adjusted to reflect the actual 3.2 acres of disturbance. By entering 36.8 as the number of drill pads, the Model calculated for the actual disturbance of 3.2 acres resulting in a Reclamation cost of \$125,770. This figure is used as the final reclamation cost estimate for this Reclamation Cost Estimate update.

Bureau of Land Management Notice Level Reclamation Cost Estimation Worksheet									
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3.	All Roads in this worksheet are assumed to have a 14 foot wide dimension across the flat, "drivable" part of the road without any safety berms.								
4.	All Drill Sites in this worksheet are assumed to be 30 feet wide. For Drill Sites on slopes <30% they are 70 feet long. For Drill Sites on slopes >30% they are 83 feet long.								
5.	All Road and Drill Sites cut banks are assumed to have a 60 degree slope.								
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7.	Roads are linear features and the units required for input to this worksheet are in linear feet.								
8.	Recontouring for reclamation of Roads, Drill Sites, and Sumps is done with a track excavator of a Cat 320C size with a 1.57 CY bucket and productivity of 139 CY per hour. Area pay= \$3.00 per hour. FICA = 7.65%, Unemployment = 3% and Workman's Comp= 9.77%.								
9.	Equipment operator Manpower cost is based on Davis-Bacon wage rates for Northern Nevada with FICA = 7.65%, Unemployment = 3% and Workman's Comp= 9.77%.								
10.	Revegetation cost is based on the cost of use of a D4 class dozer which scarifies, seeds and drops the seed in on one pass.								
11.	Revegetation costs are based on a per acre basis for slope acres.								
12.	Drill Sites recontouring cost is based on a standard pad width and length.								
	Drill Sites on slopes <30% and Cross Country Drill Sites are 30 feet wide by 70 feet long.								
	On Cross Country Drill Sites, the disturbed area is ripped by a Cat D6 size dozer.								
13.	One Sump is assumed for each Drill Site. The assumed dimensions are 10 feet wide, 20 feet long and 6.75 feet deep. (50 CY)								
	On Drill Sites <30% slopes they are assumed to be outside the Drill Site.								
	On Drill Sites >30% slopes sumps are assumed to be within the 30 foot * 83 foot dimension of the Drill Site.								
14.	Trenches are assumed to be 14 feet wide by 5 feet deep with 10 feet extra width for the spoil pile. A D6 is used for recontour at 208 CY/hour productivity.								
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	If there are any Trenches or Cross Country disturbance, a D6 dozer will be mobilized also.								
19.	All projects that propose drilling will require a minimum Drill Holes Open abandonment cost.								
	If a drill hole will not penetrate the static water level it may be abandoned as an Open Hole - Dry.								
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20.	Mobilization for Drill Holes - Open for Open Hole - Wet will include one drill tip plus crew and support equipment.								
21.	Mobilization for Drill Holes - Open for Open Hole - Dry will include one backhoe and operator, and one general laborer.								
									Nevada BLM, December 1, 2009



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April 13, 2010		Notice Level Exploration Reclamation Cost Model					SRCE 2009 Cost Data Version 3.2				
		From SRCE Cost Data with Acreage Calculators					Update				
		Mount Hope Exploration - Eureka Moly, LLC - NVN081811 Extension									
Linear Feet of Road	Linear Feet	Labor Cost	Manpower	Equipment	Materials	Cost/Linear Foot	Road Reclamation				
On a Side Slope											
<30%		\$0	\$0.11	\$0.13	\$0.00	\$0.24	\$0				
>30%		\$0	\$0.29	\$0.36	\$0.00	\$0.65	\$0				
Drill Sites and Sumps	Number		Manpower	Equipment	Materials	Cost each	Perk Sump Reclamation				
Drill Sites < 30% slopes	37	\$1,266	\$34.40	\$43.40	\$0.00	\$77.80	\$2,863				
Drill Sites > 30% slopes		\$0	\$110.20	\$139.20	\$0.00	\$249.40	\$0				
Drill Sites Cross Country		\$0	\$11.60	\$28.40	\$0.00	\$40.00	\$0				
Sumps	37	\$781	\$21.23	\$26.93	\$0.00	\$48.16	\$1,772				
Linear Feet			Manpower	Equipment	Materials	Cost/Linear Foot					
Trenches		\$0	\$0.95	\$1.74	\$0.00	\$2.69	\$0				
Cross Country Travel	2,600	\$30	\$0.01	\$0.03	\$0.00	\$0.04	\$103				
Total Revegetation Acres	Slope Acres		Manpower	Equipment	Materials	Cost/Acre					
	3.25	\$253	\$78.00	\$67.00	\$332.75	\$477.75	\$1,551				
150 miles Mobilization			Manpower	Equipment		Mob+Demob					
150 miles Mobilization		\$609	\$609.04	\$714.96		\$1,324.00	\$1,324				
		\$396	\$396.06	\$546.94		\$943.00	\$943				
Drill Holes Open	#Feet		Manpower	Equipment	Materials	Cost/Foot	Drill Hole Plugging				
Feet of Open Holes - Wet	11500	\$4,681	\$0.41	\$1.04	\$0.63	\$2.07	\$23,840				
Feet of Open Holes - Dry		\$0	\$0.46	\$0.23	\$0.05	\$0.74	\$0				
Feet of Casing to Pull	11500	\$18,262	\$1.59	\$4.06	\$0.00	\$5.64	\$64,895				
150 miles Mobilization			Manpower	Equipment		Mob+Demob					
150 miles Mobilization		\$1,050	\$1,050.48	\$1,867.52		\$2,918.00	\$2,918				
Disturbance Type	Total Acres		\$612.95	\$330.05		\$943.00	\$0				
Roads	0.00	Slope Acres					Total Reclamation Cost				
Drill Sites	2.24	0					\$100,208				
Sumps	0.60										
Trenches	0.00	0									
Cross Country	0.36	2,600					Total Labor				
		0.36					\$27,329				
total Notice acres	3.20	total slope acres	3.25								
green cells with blue font is for user input		Contingency*	\$1,050.48	\$1,867.52							
yellow cells are unit costs		Insurance									
black font cannot be changed		Perf. And Payment Bonds*									
red font are calculated values with formulas		Contractor Profit									
that can not be changed		Contract Administration									
		Indirect Costs									
* Contingency and Performance and payment Bonds required only if total reclamation cost > \$100,000											
		Cost per acre									
		\$39,281									
		Financial Guarantee					Amount				
							\$25,562				

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Nevada BLM, December 1, 2009									

Notice Level Exploration Reclamation Cost Model									
From SRCE Cost Data with Average Calculators									
Mount Hope Exploration - Eureka Moly, LLC - NVN081811 Extension Update									
SRCE 2009 Cost Data Version 3.2									
April 13, 2010									
Linear Feet of Road	Linear Feet	Recontouring Cost <30%	Recontouring Cost >30%	Labor Cost	Manpower	Equipment	Materials	Cost/Linear Foot	Road Reclamation
On a Side Slope		\$0	\$0	\$0	\$0.11	\$0.13	\$0.00	\$0.24	\$0
>30%					\$0.29	\$0.36	\$0.00	\$0.65	\$0
Drill Sites and Sumps	Number								Pack Sump Reclamation
Drill Sites < 30% slopes	37	Recontouring Cost	\$1,266		Manpower	Equipment	Materials	Cost each	\$2,863
Drill Sites > 30% slopes		Recontouring Cost	\$24.40		\$24.40	\$43.40	\$0.00	\$77.80	\$0
Drill Sites Cross Country		Ripping Cost	\$0		\$110.20	\$139.20	\$0.00	\$249.40	\$0
Sumps	37	Recontouring Cost	\$181		\$11.60	\$28.40	\$0.00	\$40.00	\$1,772
		Recontouring Cost			\$21.23	\$26.93	\$0.00	\$48.16	
Trenches	Linear Feet	Recontouring Cost	\$0		Manpower	Equipment	Materials	Cost/Linear Foot	
Cross Country Travel	2,600	Ripping Cost	\$30		\$0.95	\$1.74	\$0.00	\$2.69	\$0
					\$0.01	\$0.03	\$0.00	\$0.04	\$103
Total Revegetation Acres	Slope Acres	Revegetation Cost	\$253		Manpower	Equipment	Materials	Cost/Acre	\$1,551
	3.25				\$78.00	\$87.00	\$32.75	\$477.75	
150 miles Mobilization		Mobilization Cost-excavator	\$609		Manpower	Equipment		Mob+Demob	\$1,324
150 miles Mobilization		Mobilization Cost-digger	\$396		\$609.04	\$714.96		\$943.00	\$943
Drill Holes Open	#Feet				Manpower	Equipment	Materials	Cost/Foot	Drill Hole Plugging
Feet of Open Holes - Wet	11500	Plugging Cost - Wet	\$4,581		\$0.41	\$0.63	\$0.07	\$2.07	\$23,840
Feet of Open Holes - Dry		Plugging Cost - Dry	\$0		\$0.46	\$0.23	\$0.05	\$0.74	\$0
Feet of Casing to Pull	11500	Pulling Casing	\$18,262		\$1.59	\$4.06	\$0.00	\$5.64	\$84,895
150 miles Mobilization		Mobilization Cost - Wet	\$1,050		Manpower	Equipment		Mob+Demob	\$2,918
150 miles Mobilization		Mobilization Cost - Dry	\$0		\$1,050.48	\$1,867.52		\$2,918.00	\$0
Disturbance Type	Total Acres	Total Linear Feet	Slope Acres		\$612.95	\$330.05		\$943.00	\$100,208
Roads	0.00	0	0.00						
Drill Sites	2.24		2.29						
Sumps	0.60		0.60						
Trenches	0.00		0.00						
Cross Country	0.36		0.36						
Total Notice acres	3.20	total slope acres	3.25						Total Labor
									\$27,329
green cells with blue font is for user input									
yellow cells are unit costs									
black font cannot be changed									
red font are calculated values with formulas									
that can not be changed									
* Contingency and Performance and Payment Bonds required only if total reclamation cost > \$100,000									
Total Administration Cost									
\$25,562									
Cost per acre									
\$39,281									
Financial Guarantee									
Amount									
\$125,770									

Bureau of Land Management Notice Level Reclamation Cost Estimation Worksheet	
Costs for this Notice Level Reclamation Cost Estimator are based on values and assumptions used in the Standardized Reclamation Cost Estimator (SRCE) Version 1.1.2. Cost Data are from August 1, 2009. This worksheet is simpler than the SRCE and does not allow the flexibility of entering project specific information in some situations. The model will generate approximately the same reclamation costs as the SRCE model if the same inputs and assumptions are applied. Below are the methods and assumptions used by this model to generate a Financial Guarantee Amount.	
1. There are two side hill slope categories used for all calculations in this worksheet. All slopes under 30% (<30%) are assumed to have a slope of 20%.	
2. All slopes over 30% (>30%) are assumed to have a slope of 40%.	
3. All Roads in this worksheet are assumed to have a 14 foot wide dimension across the flat "driveable" part of the road without any safety berms.	
4. All Road and Drill Sites cut banks are assumed to have a 30 degree slope. For Drill Sites on slopes <30% they are 70 feet long. For Drill Sites on slopes >30% they are 83 feet long.	
5. All Road and Drill Sites fill slopes are assumed to have a 50 degree slope.	
6. Roads are linear features and the units required for input to this worksheet are in linear feet.	
7. Recontouring for reclamation of Roads, Drill Sites, and Sumps is done with a track excavator of a Cat 320C size with a 1.57 CY bucket and productivity of 139 CY per hour.	
8. Equipment operator Manpower cost is based on Davis-Bacon wage rates for Northern Nevada. Area pay = \$3.00 per hour, FICA = 7.65%, Unemployment = 3%, and Workmen's Comp = 9.77%.	
9. Laborer cost is based on Davis-Bacon wage rates for Northern Nevada with FICA = 7.65%, Unemployment = 3%, and Workmen's Comp = 9.77%.	
10. Revegetation cost is based on the cost of use of a D4 class dozer which scarifies, seeds and drags the seed in on one pass.	
11. Drill Sites recontouring cost is based on a per acre basis for slope acres.	
12. Drill Sites on slopes <30% and Cross Country Drill Sites are 30 feet wide by 70 feet long.	
13. On Cross Country Drill Sites the disturbed area is ripped by a Cat D6 size dozer.	
14. On Drill Sites <30% slopes they are assumed to be outside the Drill Site.	
15. On Drill Sites >30% slopes they are assumed to be within the 30 foot - 83 foot dimension of the Drill Site.	
16. Trenches are assumed to be 14 feet wide by 5 feet deep with 10 feet extra width for the spoil pile. A D6 is used for recontour at 208 CY/hour productivity.	
17. Recontouring earthwork for Roads Drill Sites and Sumps has an assumed swell factor of 20%. Trenches swell factor is 30%.	
18. Cross Country travel is assumed to have a disturbance of 6 feet wide by the linear feet of travel on slopes under 10%.	
19. Revegetation costs for all Cross Country disturbance is based on a 12 foot wide seeding width on one pass.	
20. Mobilization and Demobilization are based on 150 miles one way to project and are based on the 2009 Mobil/Demob worksheet.	
21. Travel times are assumed to be 2.73 hours one way to the project.	
22. Mobilization for a Cat 320C excavator will be charged for grading of Roads. Drill Sites only.	
23. If there are any Trenches or Cross Country disturbance, a D6 dozer will be mobilized also.	
24. All projects that propose drilling will require a minimum Drill Holes Open abandonment cost.	
25. If a drill hole will not penetrate the static water level it may be abandoned as an Open Hole - Dry.	
26. If a drill hole is drilled deeper than the static water level it is considered a wet hole and must be abandoned as an Open Hole - Wet.	
27. Mobilization for Drill Holes - Open for Open Hole - Wet will include one drilling plus crew and support equipment.	
28. Mobilization for Drill Holes - Open for Open Hole - Dry will include one backhoe and operator, and one general laborer.	

Nevada BLM, December 1, 2009

April 15, 2010		Notice Level Exploration Reclamation Cost Model				SRCE 2009 Cost Data Version 3.2			
Linear Feet of Road		From SRCE Cost Data with Acreage Calculators				Eureka Moly nvr08181-08-2a			
Linear Feet	Feet	Recontouring Cost <30%	Recontouring Cost >30%	Labor Cost	Manpower	Equipment	Materials	Cost/Linear Foot	Road Reclamation
On a Side Slope				\$0	\$0.11	\$0.13	\$0.00	\$0.24	\$0
<30%				\$0	\$0.29	\$0.36	\$0.00	\$0.65	\$0
>30%									Paul's Sump
Drill Sites and Sumps	Number	Recontouring Cost	Recontouring Cost	\$1,273	\$34.40	\$43.40	\$0.00	Cost each	Reclamation
Drill Sites < 30% slopes	37	Recontouring Cost	Recontouring Cost	\$0	\$110.20	\$139.20	\$0.00	\$77.80	\$2,879
Drill Sites > 30% slopes		Pipping Cost	Pipping Cost	\$0	\$11.60	\$28.40	\$0.00	\$40.00	\$0
Drill Sites Cross Country		Recontouring Cost	Recontouring Cost	\$786	\$21.23	\$26.93	\$0.00	\$48.16	\$1,782
Sumps	37								
Trenches	Linear Feet	Recontouring Cost	Recontouring Cost	\$0	\$0.85	\$1.74	\$0.00	Cost/Linear Foot	
Gross Country Travel	2,600	Pipping Cost	Pipping Cost	\$30	\$0.01	\$0.03	\$0.00	\$0.04	\$103
Total Revegetation Acres	Slope Acres	Revegetation Cost	Revegetation Cost	\$254	\$78.00	\$67.00	\$332.75	Cost/Acre	\$1,558
150 miles Mobilization		Mobilization Cost-excavator	Mobilization Cost-digger	\$609	\$609.04	\$714.96		Mob+Demob	\$1,324
150 miles Mobilization				\$396	\$396.06	\$546.94			\$943
Drill Holes Open	#Feet	Plugging Cost - Wet	Plugging Cost - Dry	\$4,681	\$0.41	\$1.04	\$0.63	Cost/Foot	Drill Hole Plugging
Feet of Open Holes - Wet	11500	Plugging Cost - Wet	Plugging Cost - Dry	\$0	\$0.46	\$0.23	\$0.05	\$0.74	\$23,840
Feet of Open Holes - Dry		Pulling Casing	Pulling Casing	\$18,262	\$1.59	\$4.06	\$0.00	\$5.64	\$0
Feet of Casing to Pull	11500								\$64,895
150 miles Mobilization		Mobilization Cost - Wet	Mobilization Cost - Dry	\$1,050	\$1,050.48	\$1,867.32		Mob+Demob	\$2,918
150 miles Mobilization				\$0	\$612.95	\$330.05			\$0
Disturbance Type	Total Acres	Total Linear Feet	Slope Acres						Total Reclamation Cost
Roads	0.00	0	0.00						\$100,241
Drill Sites	2.26		2.30						
Sumps	0.60		0.60						
Trenches	0.00		0.00						
Gross Country	0.36		0.36						Total Labor
total Notice acres	3.22	total slope acres	3.26						\$27,341
green cells with blue font is for user input		Contingency*							\$12,581
yellow cells are unit costs		Insurance							\$410
black font cannot be changed		Perf. And Payment Bonds*							\$3,007
red font are calculated values with formulas		Contractor Profit							\$10,024
that can not be changed		Contract Administration							\$10,024
		Indirect Costs							\$2,105
* Contingency and Performance and payment Bonds required only if total reclamation cost > \$100,000									Total Administration Cost
									\$25,571
		Cost per acre		\$39,105				Financial Guarantee	\$125,811
								Amount	

JA3170



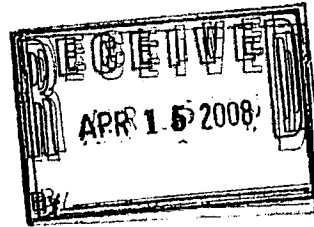
General Moly, Inc.

2215 North 5th St.
Elko, NV 89801
Phone: 775.753.5009
Fax: 775.753.7722
Email: bmusser@generalmoly.com
Website: www.generalmoly.com

VIA HAND DELIVERY

April 15, 2008

Mr. Stephen C. Drummond
Bureau of Land Management
Battle Mountain Field Office
50 Bastian Road
Battle Mountain, Nevada 89820



RE: Mount Hope Notice NVN 081811 – 3809 (NV063) - Notice Extension

Dear Mr. Drummond:

This is to inform the Bureau of Land Management (BLM) that General Moly, Inc. (General Moly) is seeking to extend Notice NVN-081811 which is due to expire on April 17, 2008. The extension would authorize ongoing activities for two more years under the provisions of 43 CFR §3809.333. This Notice was for drilling activities associated with water supply for the Mount Hope Project. An updated reclamation cost estimate is attached for your review.

The conditions pertaining to the original Notice (submitted April 5, 2006 and subsequent Decision on April 17, 2006) are still in effect. The total disturbance associated with this notice remains the same and is detailed in Table 1 below.

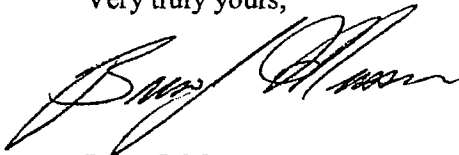
The reclamation cost estimate was calculated using the Notice Model (Model_FY2007) provided by the BLM. All existing and planned disturbance under this Notice have been included in the reclamation cost estimate. Using this model and entering the disturbance data resulted in a reclamation cost estimate of \$19,262 (Attachment 1). The original Notice submission used the Nevada Standardized Reclamation Bond Calculation Model, version 1.0 and estimated the reclamation cost to be \$28,300. BLM has since requested that the Notice Model (Model_FY2007, i.e., SRCE-based Reclamation Cost Model with Calculators) be used for calculating reclamation costs associated with notice-level activities. The decrease in reclamation cost estimate between 2006 and 2008 is due to four of the five wells being closed in accordance with NAC 534. The adjusted cost to correlate disturbed acres with calculated acres increases the cost to \$25,544. Further, the cost to close the remaining well was adjusted to account for the differing assumptions in the spreadsheet (six-inch diameter well) as compared with #11 at 50 feet of 18-inch and 750 feet of 12-inch diameter hole. See the attached notes for an explanation on the 2008 cost estimate (Attachment 2).

Table 1: Disturbance Associated with Water Supply Wells

Well ID #	Pad Dimensions (feet)/(acres)	Hole Diameter (inches)	Maximum Depth (feet)	New Road (feet)	Total Disturbance (acres)
#1	(200x100)/0.5	12" first 50 feet then 8" to bottom of hole	Closed per NAC 534	NA – pad adjacent to existing road	0.5
Observation Well 1A (south of Test Well #1)	(100x100)/0.2	8" first 50 feet then 4" to bottom of hole	Closed per NAC 534	NA – pad adjacent to existing road	0.2
Observation Well 1B (east of Test Well #1)	(100x100)/0.2	8" first 50 feet then 4" to bottom of hole	Closed per NAC 534	(400' x 12')/0.1	0.3
#5	(200x100)/0.5	12" first 50 feet then 8" to bottom of hole	Closed per NAC 534	(2,200' x 12')/0.6	1.1
#11	(200x100)/0.5	18" first 50 feet then 12" to bottom of hole	800	NA – pad adjacent to existing road	0.5
Test Well Sumps	(3 each @ 60' x 10'x 5')	-	-	-	Within pad disturbance
Observation Well Sumps	(2 each @ 30' x 10'x 5')	-	-	-	Within pad disturbance
Total disturbance (acres)	1.9	-	-	0.6	2.6

If you have any questions regarding this request for extension or the Amendment to Notice 081811, please contact me at 753-5009.

Very truly yours,



Brian J. Musser
Environmental Manager
Mount Hope Project

Attachments: Reclamation Cost Estimate
Notes to SRCE-based Reclamation Cost Model with Calculators

cc: Pat Rogers, GMI

Notes to SRCE-based Reclamation Cost Model with Calculators

The BLM has requested that the SRCE-based Reclamation Cost Model with Calculators be used for determining the estimated reclamation costs for Notices. This Model has several assumptions that cannot be changed by the user. As a result, the Model calculates the area of disturbance based on these assumptions and not on the actual disturbance footprints. Consequently, the Model calculated the disturbance for this Notice to be 1.93 acres, and using the actual disturbance footprints results in a total of 2.6 acres of disturbance.

The following assumptions or inputs to the Model were used to calculate the reclamation cost:

1. Bore holes – 5 bore hole pads are included in the reclamation cost, but only one borehole (#11) remains open; the remaining boreholes were closed in accordance with NAC 534. The maximum depth of a bore hole would be 800 feet, with 50 feet at 18-inch diameter and 750 feet at 12-inch diameter. To account for the cost estimating differences, 3,450 feet of six-inch diameter well was used in the spreadsheet.

The calculations are as follows:

$$V_{12"} = \pi r^2 l = \pi (6/12)^2 (800) = 589 \text{ ft}^3$$

$$V_{18"} = \pi r^2 l = \pi (9/12)^2 (800) = 88 \text{ ft}^3$$

$$V_{12"} + V_{18"} = 677 \text{ ft}^3$$

Solving for the length of a 6-inch well: $677 \text{ ft}^3 = \pi r^2 l = \pi (3/12)^2 l$
 $l = 3,450 \text{ feet of 6-inch diameter bore hole}$

2. Bore hole pads are approximately 200 ft x 100 ft (20,000 ft²) for the three Test Wells and 100 ft x 100 ft (10,000 ft²) for the Observation Wells. Both of these pad sizes are larger than the pads calculated by the Model, which assumes pads will be 30 ft x 70 ft (2,100 ft²). Therefore, the Model underestimates the acreage of disturbance. Actual acreage of disturbance for the Notice is 2.6 acres and the Model estimates 1.93 acres.

3. To adjust for the acreage, the Model was “adjusted” to include 13 bore holes, increasing the disturbance to 2.63 acres, which is very close to the actual disturbed area. All other inputs to the Model were not changed, just the number of bore holes to account for the disturbance at the drill pads.

4. As a result of the adjustment to the disturbance, the reclamation cost estimate was increased from \$19,262 to \$25,544.

SRCE-based Reclamation Cost Model With Calculators									
MOUNT HOPE EXPLORATION, GENERAL MOUNT, INC., FEBRUARY 5, 2008 - NOTICE 081811 TWO-YEAR EXTENSION/UPDATE									
FY 2007 Model									
Linear Feet of Road	Linear Feet	Recontouring Cost <30%	Recontouring Cost >30%	Labor Cost	Manpower	Equipment	Materials	Cost/Linear Foot	Road Reclamation
On a Side Slope	0			\$0	\$0.11	\$0.13	\$0.00	\$0.24	\$0
<30%	2,800			\$738	\$0.28	\$0.36	\$0.00	\$0.64	\$1,668
>30%									
Drill Sites and Sumps	Number	Recontouring Cost	Recontouring Cost		Manpower	Equipment	Materials	Cost each	Pada Sump Reclamation
Drill Sites < 30% slopes	5	\$170	\$0		\$34.00	\$42.80	\$0.00	\$76.80	\$384
Drill Sites > 30% slopes	0	\$0	\$0		\$109.00	\$137.00	\$0.00	\$246.00	\$0
Drill Sites Cross Country	0	\$0	\$0		\$7.00	\$3.50	\$0.00	\$10.50	\$0
Sumps	5	\$185	\$0		\$36.90	\$46.40	\$0.00	\$83.30	\$417
Trenches	Linear Feet	Recontouring Cost	Recontouring Cost		Manpower	Equipment	Materials	Cost/Linear Foot	
Cross Country Travel	0	\$0	\$0		\$0.93	\$1.71	\$0.00	\$2.64	\$0
	0				\$0.04	\$0.02	\$0.00	\$0.06	\$0
Total Disturbance	Slope Acres	Revegetation Cost			Manpower	Equipment	Materials	Cost/Acre	
	2.06	\$155			\$75.50	\$64.00	\$275.00	\$414.50	\$852
150 miles Mobilization		Mobilization Cost-excavator			Manpower	Equipment		Mob+Demob	
150 miles Mobilization		Mobilization Cost-dozer			\$417.27	\$489.83		\$907.10	\$907
					\$275.50	\$380.48		\$656.00	\$0
Drill Holes Open	#/Feet	Plugging Cost - Wet	Plugging Cost - Dry		Manpower	Equipment	Materials	Cost/Feet	Drill Hole Plugging
Feet of Open Holes - Wet	3450	\$4,037	\$0		\$1.17	\$2.08	\$0.53	\$3.78	\$13,034
Feet of Open Holes - Dry	0	\$0	\$0		\$0.47	\$0.22	\$0.05	\$0.75	\$0
Feet of Casing to Pull	0	\$0	\$0		\$1.66	\$4.06	\$0.00	\$5.72	\$0
150 miles Mobilization		Mobilization Cost - Wet	Mobilization Cost - Dry		Manpower	Equipment		Mob+Demob	
150 miles Mobilization		\$720	\$0		\$719.84	\$1,279.72		\$1,999.56	\$2,000
					\$384.91	\$196.49		\$581.40	\$0
Drill Sites	Total Acres	Total Linear Feet	Slope Acres						Total Reclamation Cost
Roads	1.50	2,800	1.61						\$19,262
Drill Sites	0.30		0.31						
Sumps	0.13		0.13						
Trenches	0.00	0	0.00						
Cross Country	0.00	0	0.00						
total Notice acres	1.93		2.06						Total Labor
									\$6,422
green cells with blue font is for user input		Insurance							
yellow cells are unit costs		Bond*							\$96
		Contractor Profit							\$0
		Contract Administration							\$1,926
		Indirect Costs							\$1,926
									\$404
									Total Administration Cost
									\$4,353
* Bond required only if total reclamation cost > \$100,000									
									Financial Guarantee Amount
									\$23,615
									Cost per acre
									\$12,205

Bureau of Land Management Notice Level Reclamation Cost Estimation Worksheet	
Costs for this Notice Level Reclamation Cost Estimator are based on values and assumptions used in the Standardized Reclamation Cost Estimator (SRCE) Version 1.1.1. Cost Data are from October 1, 2006. This worksheet is simpler than the SRCE and does not allow the flexibility of entering project specific information in some situations. The model will generate approximately the same reclamation costs as the SRCE model if the same inputs and assumptions are applied. Below are the methods and assumptions used by this model to generate a Financial Guarantee Amount.	
1. There are two side hill slope categories used for all calculations in this worksheet. All slopes under 30% (<30%) are assumed to have a slope of 20%.	
2. All slopes over 30% (>30%) are assumed to have a slope of 40%.	
3. All Roads in this worksheet are assumed to have a 14 foot wide dimension across the flat "driveable" part of the road without any safety berms.	
4. All Drill Sites in this worksheet are assumed to be 30 feet wide. For Drill Sites on slopes <30% they are 70 feet long. For Drill Sites on slopes >30% they are 83 feet long.	
5. All Road and Drill Sites cut banks are assumed to have a 60 degree slope.	
6. Roads are linear features and the units required for input to this worksheet are in linear feet.	
7. Recontouring for reclamation of Roads, Drill Sites, and Sumps is done with a track excavator of a Cat 320C size with a 1.57 CY bucket and productivity of 139 CY per hour.	
8. Equipment operator Manpower cost is based on Davis-Bacon wage rates for Northern Nevada. Area pay = \$3.00 per hour, FICA = 7.65%, Unemployment = 3% and Workmen's Comp = 10.75%.	
9. Laborer cost is based on Davis-Bacon wage rates for Northern Nevada with Area pay = \$2.00 per hour, FICA = 7.65%, Unemployment = 3% and Workmen's Comp = 10.75%.	
10. Revegetation cost is based on the cost of use of a D4 class dozer which scarifies, seeds and drags the seed in on one pass.	
11. Revegetation costs are based on a per acre basis.	
12. Drill Sites recontouring cost is based on a standard pad width and length.	
Drill Sites on slopes <30% and Cross Country Drill Sites are 30 feet wide by 70 feet long.	
On Cross Country Drill Sites, the disturbed area is tipped by a Cat D6 size dozer.	
13. One Sump is assumed for each Drill Site. The assumed dimensions are 13 feet wide, 30 feet long and 5 feet deep.	
On Drill Sites <30% slopes they are assumed to be outside the Drill Site.	
On Drill Sites >30% slopes sumps are assumed to lie within the 30 foot * 83 foot dimension of the Drill Site.	
14. Trenches are assumed to be 300 feet long by 14 feet wide by 5 feet deep. They are recontoured with a Cat D6 sized dozer assuming a 208 CY/hour productivity.	
15. Recontouring earthwork for Roads, Drill Sites and Sumps has an assumed swell factor of 20%. Trenches swell factor is 30%.	
16. Cross Country travel is assumed to have a disturbance of 6 feet wide by the linear feet of travel on slopes under 10%.	
Revegetation costs for all Cross Country disturbance is based on a 12 foot wide seeding width on one pass.	
17. Mobilization and Demobilization are based on 150 miles one way to project and are based on 2006 Vega Construction and Trucking quotes.	
Travel times are assumed to be 2.73 hours one way to the project.	
18. Mobilization for a Cat 320C excavator will be charged for regrading of Roads, Drill Sites only.	
If any Trenches or Cross Country travel is included a D6 dozer will be mobilized also.	
19. All projects that propose drilling will require a minimum Drill Holes Open abandonment cost.	
If a drill hole will not penetrate the static water level it may be abandoned as an Open Hole - Dry.	
If a drill hole is drilled deeper than the static water level it is considered a wet hole and must be abandoned as an Open Hole - Wet.	
20. Mobilization for Drill Holes - Open for Open Hole - Wet will include one drilling plus crew and support equipment.	
21. Mobilization for Drill Holes - Open for Open Hole - Dry will include one backhoe and operator, and one general laborer.	
22. Drill Hole Plugging Cost for Open Hole - Wet is based on average time to plug a 1000 ft. 6" Drill Hole (using productivity data from 8 drilling contractors December 2006).	

Nevada BLM, January 17, 2007

[illegible]

Bureau of Land Management Notice Level Reclamation Cost Estimation Worksheet	
Costs for this Notice Level Reclamation Cost Estimator are based on values and assumptions used in the Standardized Reclamation Cost Estimator (SRCE) Version 1.1.1 Cost Data are from October 1, 2006. This worksheet is simpler than the SRCE and does not allow the flexibility of entering project specific information in some situations. The model will generate approximately the same reclamation costs as the SRCE model if the same inputs and assumptions are applied. Below are the methods and assumptions used by this model to generate a Financial Guarantee Amount.	
1. There are two side hill slope categories used for all calculations in this worksheet. All slopes under 30% (<30%) are assumed to have a slope of 20%.	
All slopes over 30% (>30%) are assumed to have a slope of 40%.	
2. All Roads in this worksheet are assumed to have a 14 foot wide dimension across the flat "driveable" part of the road without any safety berms.	
3. All Drill Sites in this worksheet are assumed to be 30 feet wide. For Drill Sites on slopes <30% they are 70 feet long. For Drill Sites on slopes >30% they are 83 feet long.	
4. All Road and Drill Sites cut banks are assumed to have a 60 degree slope.	
5. All Road and Drill Sites fill slopes are assumed to have an angle of repose of 1.4H:1V or about 70% slope equal to a 35 degree angle.	
6. Roads are linear features and the units required for input to this worksheet are in linear feet.	
7. Recontouring for reclamation of Roads, Drill Sites, and Sumps is done with a track excavator of a Cat 320C size with a 1.57 CY bucket and productivity of 139 CY per hour.	
8. Equipment operator Manpower cost is based on Davis-Bacon wage rates for Northern Nevada.	
Area pay = \$3.00 per hour, FICA = 7.65%, Unemployment = 3% and Workmen's Comp = 10.75%	
9. Labor cost is based on Davis-Bacon wage rates for Northern Nevada with Area pay = \$2.00 per hour, FICA = 7.65%, Unemployment = 3% and Workmen's Comp = 10.75%.	
10. Revegetation cost is based on the cost of use of a D4 class dozer which scarifies, seeds and drags the seed in on one pass.	
11. Revegetation costs are based on a per acre basis.	
12. Drill Sites recontouring cost is based on a standard pad width and length.	
Drill Sites on slopes <30% and Cross Country Drill Sites are 30 feet wide by 70 feet long.	
Drill Sites on slopes >30% are 30 feet wide by 83 feet long.	
On Cross Country Drill Sites, the disturbed area is ripped by a Cat D6 size dozer.	
On Drill Sites <40% slopes they are assumed to be outside the Drill Site.	
On Drill Sites >40% slopes sumps are assumed to lie within the 30 foot x 83 foot dimension of the Drill Site.	
14. Trenches are assumed to be 300 feet long by 14 feet wide by 5 feet deep. They are recontoured with a Cat D6 sized dozer assuming a 208 CY/hour productivity.	
15. Recontouring earthwork for Roads Drill Sites and Sumps has an assumed swell factor of 20%. Trenches swell factor is 30%.	
16. Cross Country travel is assumed to have a disturbance of 6 feet wide by the linear feet of travel on slopes under 10%.	
Revegetation costs for all Cross Country disturbance is based on a 12 foot wide seedling width on one pass.	
17. Mobilization and Demobilization are based on 150 miles one way to project and are based on 2006 Vega Construction and Trucking quotes.	
Travel times are assumed to be 2.73 hours one way to the project.	
18. Mobilization for a Cat 320C excavator will be charged for grading of Roads, Drill Sites only.	
If any Trenches or Cross Country travel is included a D6 dozer will be mobilized also.	
19. All projects that propose drilling will require a minimum Drill Holes Open abandonment cost.	
If a drill hole will not penetrate the static water level it may be abandoned as an Open Hole - Dry.	
If a drill hole is drilled deeper than the static water level it is considered a wet hole and must be abandoned as an Open Hole - Wet.	
20. Mobilization for Drill Holes - Open for Open Hole - Wet will include one drilling plus crew and support equipment.	
21. Mobilization for Drill Holes - Open for Open Hole - Dry will include one backhoe and operator, and one general laborer.	
22. Drill Hole Plugging Cost for Open Hole - Wet is based on average time to plug a 1000 ft. 5" Drill Hole (using productivity data from 8 drilling contractors December 2006).	

Nevada BLM, January 17, 2007

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Mount Lewis Field Office
50 Bastian Road
Battle Mountain, Nevada 89820
<http://www.nv.blm.gov/battlemountain>
(775) 635-4000 or blmfwweb@nv.blm.gov



Doc 4-15-20
T. Hene 4/15/2010

In Reply Refer To:
NVN-081811 (08-2A)
3809 (NVB0630)

CERTIFIED MAIL NO: 7008 0150 0000 4175 1782 RETURN RECEIPT REQUESTED

DECISION

Eureka Moly LLC :
Attn: Carrie Dubray, Sr. Environmental : Surface Management
Coordinator :
2215 North 5th St. :
Elko, NV 89801 :

Determination of Required Financial Guarantee Amount

On April 14, 2010, Eureka Moly LLC (EML) submitted a Notice extension for the Kobeh Valley Central-C Project, Bureau of Land Management (BLM) case file number NVN-081811 (08-2A). The Project is located in MDB&M., T. 22 N., R. 50 E., sections 19, 26, 31, 32, & 35; T. 21 N., R. 51 E., sections 2, 7, 16, 35, & 36, and T. 20 N., R. 51 E., sections 10, 11, & 26. This Notice was originally submitted April 5, 2006 and a subsequent Decision was issued April 17, 2006. The Decision was extended on April 17, 2008 with subsequent Amendments NVN-081811 (08-1A) on June 11, 2008 and NVN-081811 (08-2A) on September 23, 2008.

Based on your description of the disturbance associated with your Notice, no change has been made from the permitted 3.2 acres of surface disturbance and 11,500 feet of drill-hole depth. The Notice extension documentation has been reviewed and satisfies the requirements of 43 CFR §3809.333. The Notice is conditionally extended subject to meeting the financial guarantee requirements.

Cultural Resources - The Native American Graves Protection and Repatriation Act (NAGPRA: 43 CFR 10), protects items of cultural patrimony, Native American funerary items, Native American remains and sacred objects. In addition, The Archaeological Resources Protection Act (ARPA: 43 CFR 7.4, 7.14, 7.15, 7.16) provides for civil and/or criminal penalties for the disturbance of archaeological resources on federal lands and if such disturbance is the result of EML activities, EML could be liable for such damages. If cultural resources, Native American remains, funerary items, sacred items, or objects of cultural patrimony are discovered, you must cease operations in the vicinity of the discovery and ensure adequate protection to the discovery,

then notify the BLM immediately, by telephone, with written confirmation to follow (43 CFR 10.4 (c), (d), (g); Nevada State Protocol Agreement VIII (b)). Notification should be made to Doug Furtado, Field Manager, Mt. Lewis Field Office, 50 Bastian Road, Battle Mountain, NV, 89820, (775 – 635 – 4000). No activity in the vicinity of the discovery should resume until you have been issued a Notice to Proceed by the Authorized Officer.

Protection and Preservation of Public Land Survey System Monuments - As directed in 43 CFR 3809.420 – Surface Management - (b)(9) *Protection of survey monuments*, it is your responsibility to bear the cost of any necessary restoration or reestablishment activity of the affected monument(s). Correspondingly, in the course of any accepted surface disturbance activity when Public Land Survey System Monuments/Cadastral corners or accessories that may or have been subject to obliteration, destruction, or damage, it will be your responsibility to protect and preserve the monumentation. Further clarification can be found in Nevada BLM's Instruction Memorandum No. NV-2007-003 www.nv.blm.gov.

Amount of Financial Guarantee – This office has reviewed the Reclamation Cost Estimate and determined that the amount of **\$125,811** is sufficient to meet all anticipated reclamation requirements. The amount of the reclamation cost estimate was based on the operator complying with all applicable operating and reclamation requirements.

All line items contained in the approved reclamation cost estimate are not to be considered as the limits of financial guarantee expenditures in that respective category or task should forfeiture of the financial guarantee be necessary. The line items listed are solely for the purpose of arriving at a total amount for the financial guarantee. This total amount may be spent however the BLM deems necessary to implement the approved reclamation plan and does not represent a reclamation cost limit or constraint.

BLM's review of your proposed operations, determination that your Notice extension filing is complete, determination that your operations as proposed will not cause unnecessary or undue degradation, and decision concerning the amount of the required financial guarantee does not relieve you, the operator, of your responsibility to be in compliance with all applicable Federal, State and local laws and regulations, and to obtain all applicable Federal, State and local authorizations and permits. You are responsible for preventing any unnecessary or undue degradation of public lands and resources, and for reclaiming all lands disturbed by your operations.

Required Financial Guarantee – Within 60 days of receipt of this Decision, submit an acceptable financial guarantee in the amount of **\$125,811** to the Bureau of Land Management, Branch of Minerals Adjudication, P.O. Box 12000, Reno, NV 89520-0006. **Failure to meet that condition will result in the Notice expiring immediately upon conclusion of the timeframe and all activities, other than reclamation, are unauthorized and must cease.**

The types of financial instruments that are acceptable to the BLM are found at 43 CFR 3809.555. Please contact the Branch of Minerals Adjudication at 775-861-6400 for further information on the adjudication of financial guarantees.

This decision does not constitute: certification of ownership to any entity named in the Notice; recognition of the validity of any associated mining claims; or recognition of the economic feasibility of the proposed operations.

Term of Notice - Your Notice will remain in effect for 2 years from the date of this decision, unless you notify this office beforehand that operations have ceased and reclamation is complete. If you wish to conduct operations for another 2 years after the expiration date of your Notice, you must notify this office in writing on or before the expiration date as required by 43 CFR 3809.333.

Appeal of the Decision - If you do not agree and are adversely affected by this decision, you may request that the Nevada BLM State Director review this decision. If you request a State Director Review, the request must be received in the Nevada BLM State Office at P.O. Box 12000, Reno, Nevada, 89520-0006, no later than 30 calendar days after you receive or have been notified of this decision. The request for State Director Review must be filed in accordance with the provisions 43 CFR 3809.805. This decision will remain in effect while the State Director Review is pending, unless the State Director grants a Stay. If you request a Stay, you have the burden of proof to demonstrate that a Stay should be granted.

If the State Director does not make a decision on your request for review of this decision within 21 days of receipt of the request, you should consider the request declined and you may appeal this decision to the Interior Board of Land Appeals (IBLA). You may contact the BLM State Office to determine when BLM received the request for State Director Review. You have 30 days from the end of the 21-day period in which to file your Notice of Appeal with this office at 50 Bastian Road, Battle Mountain, NV, 89820, which we will forward to IBLA.

If you wish to bypass the State Director Review, this decision may be appealed directly to the IBLA in accordance with the regulations at 43 CFR 3809.801(a)(1). Your Notice of Appeal must be filed in this office within 30 days from receipt of this decision. As the appellant, you have the burden of showing that the decision appealed from is in error. Enclosed BLM Form 1842-1 contains further information on taking appeals to the IBLA.

Standards for Obtaining a Stay

Except as otherwise provided by law or other pertinent regulation, a petition for a stay of a decision pending appeal shall show sufficient justification based on the following standards:

1. The relative harm to the parties if the stay is granted or denied,
2. The likelihood of the appellant's success on the merits,
3. The likelihood of immediate and irreparable harm if the stay is not granted, and
4. Whether the public interest favors granting the stay.

Contact - If you have any questions pertaining to this decision, please contact Daniel L. Tecca, Environmental Protection Specialist, at (775) 635-4170, or at the above address.

/s/ Douglas W. Furtado

Douglas W. Furtado
Field Manager
Mount Lewis Field Office

Enclosure

cc: Minerals Adjudication Branch
NV923

\\blm\dfs\nv\bm\pub\nonrenewable\minerals\letters\LETTERS FINALIZED\MOUNT HOPE
NOTICES\NVN081811_08_2AMtHopeCentral_C_2yrrExtension



81811

RECEIVED-MAILROOM
2010 MAY 10 PM 12:38

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Nevada STATE OFFICE
P.O. Box 12000 (1940 Financial Blvd.)
Reno, Nevada 89520-0006
<http://www.blm.gov/nv/st/en.html>



In Reply Refer To:
3809 (NV923z)

MAY 06 2010

DECISION

Obligor:	:	
Eureka Moly, LLC	:	BLM Bond Number: NVB000912
1726 Cole Blvd., Suite 115	:	Bond Amount Accepted: \$817,331
Lakewood, CO 80401	:	

Obligation Under Bond Adjusted

The BLM Nevada State Office (NSO) currently holds BLM bond number NVB000912 with Eureka Moly, LLC, as principal, in the amount of \$817,331. The bond provides coverage for surface reclamation activities on operations conducted by Eureka Moly, LLC on lands in Nevada under the regulations at 43 CFR 3809.

On April 19, 2010, the BLM Mount Lewis Field Office reduced the reclamation cost estimate on N-81811, the Mt. Hope East Project, to \$125,811. Effective the date of this Decision, the reduced amount of \$125,811 is obligated to NVB000912 for N-81811.

Notices obligated to BLM bond number NVB000912 are shown in the table below.

Operations Number	Operations Name	Bond Amount Obligated
N-80914	Mount Hope East	\$ 76,168
N-81485	Tails #2	\$ 76,456
N-81811	Kobeh Valley Central-C	\$ 125,811
N-83245	Kobeh Valley Central-B	\$ 160,102
N-83246	Kobeh Valley Central-A	\$ 84,383
N-87312	Mount Hope West	\$ 92,592
Total Obligations Under NVB000912		\$ 615,512

Considering the bond amounts accepted and obligated, \$201,819 remains available under BLM bond number NVB000912 for new operations or amendments to existing operations.

If you have any questions, please call Lacy Trapp at 775-861-6599, or send electronic mail to Lacy_Trapp@nv.blm.gov.

AT/ANDA CLARK

Atanda Clark
Chief, Branch of Minerals Adjudication

cc:
Eureka Moly Inc.
Attn: Pat Rogers
2215 N. 5th St.
Elko, NV 89801

NVB0100 (DTecca)
NV920 (SMurrellwright)



KENNY C. GUINN
Governor

STATE OF NEVADA
COMMISSION ON MINERAL RESOURCES
DIVISION OF MINERALS

400 W. King Street, Suite 108
Carson City, Nevada 89703
(775) 684-7040 • Fax (775) 684-7052
<http://minerals.state.nv.us/>

Las Vegas Branch:
1771 E. Flamingo Rd.
Suite 120-A
Las Vegas, Nevada 89119
(702) 488-4343
Fax (702) 488-4345

ALAN R. COYNER
Administrator

FACSIMILE TRANSMITTAL SHEET

DATE: 5/12/06

TO: Company/Organization BLM BATTLE MOUNTAIN

Individual: SHEILA MALLORY/STEVE DRUMMOND

Fax Number: 635-4034

Phone Number: _____

Number of pages (including cover-sheet): 7

SENDER: Nevada Division of Minerals/Carson City Office

Individual: GEORGE BISHOP

REMARKS:

RE: IDAHO GENERAL MINES INC

MT. HOPE PROJECT NVN-81811

(a) NDOM OBLIGATION LETTER

(b) BOND DETERMINATION LETTER FROM BLM BATTLE MTN

(c) BOND RIDER

Dennis Bryan; Small-Scale Mining and Prospecting
Richard DeLong; Large-Scale Mining
Patrick Fagan; Geothermal Resources

Commission on Mineral Resources
Fred D. Gibson, Jr., Chairman; General Public

Eugene Kozlowski; Oil and Gas
John Mudge; Large-Scale Mining
Ron Parratt, V. Chair; Exploration and Development



KENNY C. GUINN
Governor

May 11, 2006

STATE OF NEVADA
COMMISSION ON MINERAL RESOURCES
DIVISION OF MINERALS

400 W. King Street, Suite 106
Carson City, Nevada 89703
(775) 684-7040 • Fax (775) 684-7052
<http://minerals.state.nv.us/>

Las Vegas Branch:
1771 E. Flamingo Rd.
Suite #120-A
Las Vegas, Nevada 89119
(702) 486-4343
Fax (702) 486-4345

ALAN R. COYNER
Administrator

Idaho General Mines, Inc.
10 N. Post Street, Suite 610
Spokane, WA 99201

Attention: Paul Valenti

Re: Reclamation Bond for Notice, BLM case file number NVN-81811

Dear Idaho General Mines, Inc.,

Effective May 11, 2006, you have obtained a reclamation bond for the notice referenced above in the amount of \$28,309.00 through the State of Nevada's reclamation performance bond pool (BLM bond number NVB000493). The Division of Minerals will fax this letter to the appropriate BLM Field Office and to the BLM Nevada State Office (Fax number 775-861-6710, Attn: Cindi Dragon).

Upon issuance of this letter, the State of Nevada Reclamation Performance Bond Pool is obligated for the amount stated above on the effective date above. Please contact the appropriate BLM Field Office prior to any surface disturbance.

Additional information as necessary:

- ☐ The obligation referenced above under BLM bond number NVB000493 is to replace the existing bond held by BLM for the same operation in the same amount.
- ☐ The obligation referenced above under BLM bond number NVB000493 is in addition to any existing bond held by BLM for the same operation.
- ☒ For your convenience, we enclose a copy of the required bond amount determination from the Battle Mountain Field Office.
- ☐ Other pertinent information

Sincerely,

Doug Driesner for
Alan R. Coyner

Enclosure - As stated

cc: BLM - NSO Attn: Cindi Dragon
BLM - Battle Mountain FO Attn: Sheila Mallory or Steve Drummond

Dennis Bryan; Small-Scale Mining and Prospecting
Richard DeLong; Large-Scale Mining
Patrick Fagan; Geothermal Resources

Commission on Mineral Resources

Fred D. Gibson, Jr., Chairman; General Public

Eugene Kozlowski; Oil and Gas
John Mudge; Large-Scale Mining
Ron Parratt, V. Chair; Exploration and Development



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Snake Mountain Field Office
30 Bastian Road
Battle Mountain, NV 89820
<http://www.nv.blm.gov>



In Reply Refer To:
3809
NVN-81811
NV063

A. Malley 4/17/06

APR 17 2006

CERTIFIED MAIL NO. 7005 1820 0001 0171 1871
Return Receipt Requested

DECISION

James Moore
Idaho General Mines
N. 10 Post Street, Suite 610
Spokane, WA 99201

: 43 CFR 3809 - Surface Management
: Notice
:
:

Determination of Required Financial Guarantee Amount

On April 5, 2006, Idaho General Mines submitted a Notice for the Mount Hope Mine Drilling Project located in MDB&M., T. 21 N., R. 51 E., sections 35 and 36 and T. 20 N., R. 51., sections 11 and 26. The Notice been assigned Bureau of Land Management (BLM) case file number NVN-081811.

Your Notice proposes 2.6 acres of disturbance, consisting of five drill sites and 2,600 feet of new road construction. The notice documentation has been reviewed and satisfies the requirements of 43 CFR §3809.301.

Term of Notice - Your Notice will remain in effect for 2 years from the date of this decision, unless you notify this office beforehand that operations have ceased and reclamation is complete. If you wish to conduct operations for another 2 years after the expiration date of your Notice, you must notify this office in writing on or before the expiration date as required by 43 CFR 3809.333.

Cultural Resources - If archaeological sites are damaged you could be assessed fines under the civil provisions of the Archaeological Resources Protection Act (see 43 CFR 7, parts 7.4, 7.14, 7.15 and 7.16). Therefore, it is recommended that you hire an archaeological contractor to do a cultural survey of the project area prior to beginning work. Pursuant 43 CFR 10.4(g) you must notify the authorized officer, Assistant Field Manager, Non Renewable Resources/Field Station Manager, by telephone, with written confirmation, immediately upon the discovery of human remains, funerary items, sacred objects, or objects of cultural patrimony.

Further, pursuant to 43 CFR 10.4(c) and (d), you must stop activities in the immediate vicinity of the discovery and protect it from your activities for 30 days or until notified to proceed by the authorized officer.

Guidelines for Operations Conducted Under a Notice - The attached document provides additional stipulations concerning your notice. Stipulations 17 and 18 do not apply to your surface disturbing activities.

Amount of Financial Guarantee - Pursuant to 43 CFR §3809.420 and §3809.522, a reclamation cost estimate of \$28,309.00 is sufficient for the addition of 2.6 acres of proposed new disturbance.

Required Financial Guarantee - A financial guarantee in the amount of \$28,309.00 must be filed and accepted by the Bureau of Land Management, Branch of Minerals Adjudication, P.O. Box 12000, Reno, NV 89520-0006. You must receive written notification from that office accepting and obligating your financial guarantee before you may begin any surface disturbing operations.

The types of financial instruments that are acceptable to the BLM are found at 43 CFR 3809.555. Information on the Nevada BLM bonding process and bond contract forms is enclosed with this letter. Please contact the Branch of Minerals Adjudication at 775-861-6400 for further information on the adjudication of financial guarantees.

BLM's review of your proposed operations, determination that your Notice filing is complete, determination that your operations as proposed will not cause unnecessary or undue degradation, and decision concerning the amount of the required financial guarantee does not relieve you, the operator, of your responsibility to be in compliance with all applicable Federal, State and local laws and regulations, and to obtain all applicable Federal, State and local authorizations and permits. You are responsible for preventing any unnecessary or undue degradation of public lands and resources, and for reclaiming all lands disturbed by your operations.

This decision does not constitute: certification of ownership to any entity named in the Notice; recognition of the validity of any associated mining claims; or recognition of the economic feasibility of the proposed operations.

Appeals - If you do not agree and are adversely affected by this decision, in accordance with 43 CFR 3809.804, you may have the BLM State Director in Nevada review this decision. If you request a State Director review, the request must be received in the BLM Nevada State Office, 1340 Financial Blvd. 89502, P.O. Box 12000, Reno, Nevada 89520-0006, no later than 30 calendar days after you receive this decision. A copy of the request must also be sent to this office. The request must be in accordance with the provisions provided in 43 CFR 3809.805. If a State Director review is requested, this decision will remain in effect while the State Director review is pending, unless a stay is granted by the State Director.

If the Nevada State Director does not make a decision on whether to accept your request for review of this decision within 21 days of receipt of the request, you should consider the request declined and you may appeal this decision to the Interior Board of Land Appeals (IBLA). You then have 30 days in which to file your notice of appeal with the IBLA (see procedures below).

If you wish to bypass the State Director review, this decision may be appealed directly to the Interior Board of Land Appeals, Office of the Secretary, in accordance with the regulations contained in 43 CFR, Part 4 and the enclosed Form 1842-1. If an appeal is taken, your notice of appeal must be filed in this office (Battle Mountain Field Office, 50 Bastian Road, Battle Mountain, Nevada 89820) within 30 days from receipt of this decision. The appellant has the burden of showing that the decision appealed from is in error.

If you wish to file a petition pursuant to regulations 43 CFR 4.21 for a stay of the effectiveness of this decision during the time that your appeal is being reviewed by the Board, the petition for a stay must accompany your notice of appeal. A petition for a stay is required to show sufficient justification based on the standards listed below. Copies of this notice of appeal and petition for a stay must also be submitted to each party named in the decision and to the Interior Board of Land Appeals and to the appropriate Office of the Solicitor (see 43 CFR 4.413) at the same time the original documents are filed with this office. If you request a stay, you have the burden of proof to demonstrate that a stay should be granted.

Standards for Obtaining a Stay

Except as otherwise provided by law or other pertinent regulation, a petition for a stay of a decision pending appeal shall show sufficient justification based on the following standards:

1. The relative harm to the parties if the stay is granted or denied,
2. The likelihood of the appellant's success on the merits,
3. The likelihood of immediate and irreparable harm if the stay is not granted, and
4. Whether the public interest favors granting the stay.

If you have any questions pertaining to this decision, please contact Stephen Drummond at 775-635-4160 or Sheila Mallory at 775-636-4017.

Thomas J. Seley

Thomas J. Seley
Assistant Field Manager
Nonrenewable Resources

3 Enclosures

1. Guidelines for Operations Conducted Under a Notice (2-pp)
2. Recommended Seed Mix (Wyoming Sagebrush Community) (1 p)
3. Form 1842-1 (2-pp)

cc: BLM, Branch of Minerals Adjudication, P.O. Box 12000, Reno, NV 89520-0006

Form 3809-4a
(January 2004)

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SURFACE MANAGEMENT PERSONAL BOND RIDER**

**OMB APPROVED
OMB No. 1004-0194
Expires: January 31, 2007**

In consideration for this rider and the acceptance of this rider by the Bureau of Land Management on behalf of the United States of America, this rider attaches to and is part of Surface Management Bond No. NVB-000493 issued on behalf of NEVADA DIVISION OF MINERALS (BLM Bond No.)

RECLAMATION PERFORMANCE BOND POOL

principal, in favor of the United States. The bond provides coverage as shown below:

Individual N/A ; or Statewide NEVADA ; or Nationwide _____
(Enter BLM Serial No.) (Enter Name of State, if applicable) (Enter "Yes," if applicable)

☐ **INCREASE/DECREASE IN DOLLAR AMOUNT OF BOND COVERAGE**

It is understood and agreed that _____, principal, is increasing/decreasing the coverage of this bond to the amount shown below; however, this rider shall not act to increase/decrease the actual cumulative or potential liability above the face amount of the bond, to wit: _____

U.S. dollars (\$ _____)

☐ **STATEWIDE/NATIONWIDE BOND**

The principal hereby agrees to and extends bond coverage to include any and all operations under 43 CFR 3802 and 43 CFR 3809.

Include name of State if coverage is Statewide _____

☐ **BOND COVERAGE EXTENDED**

The principal hereby agrees to and extends bond coverage to include notice-level operations pursuant to regulations at 43 CFR 3809.

☐ **THIRD PARTY POSTING OF THE FINANCIAL INSTRUMENT FOR THE BOND**

It is understood and agreed that _____ is pledging the financial instrument to secure the attached bond on behalf of, _____ operator and principal on the bond.

☒ **COPRINCIPAL**

NEVADA DIVISION OF MINERALS

It is understood and agreed that RECLAMATION PERFORMANCE BOND POOL, principal, is extending the coverage of the bond referenced above to include liabilities for operations conducted by IDAHO GENERAL MINES, INC. on notice/plan of operations serialized NVN-81811, MOUNT HOPE MINE DRILLING PROJECT, IN THE AMOUNT OF \$28,309.00.

(Continued on page 2)

NOTE

This coverage of obligations shall continue whether or not a notice/plan of operations has subsequently been suspended or terminated. This rider shall not act to increase the actual cumulative or potential liability of the principal or bond above the face amount of the bond. Nothing herein contained shall vary, alter, or extend any provision or condition of this bond except as herein expressly stated.

Executed this 11th day of MAY, 2006 :

NEVADA DIVISION OF MINERALS
RECLAMATION PERFORMANCE BOND POOL

(Principal)

(TIN or SSN, if applicable)

Doug Driesner
(By)

DEPUTY ADMINISTRATOR
(Title)

400 W. KING ST. STE. 106, CARSON CITY, NV 89703
(Business Address)

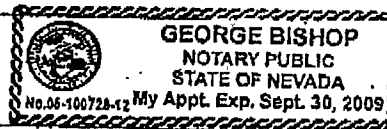
State of Nevada County of Lyon

Subscribed and sworn to before me this 11th day of May, 2006

by Doug Driesner

George Bishop
(Notary Public)

9/30/09
(My Commission Expires)



NOTICE

The Privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 22 et seq.; 43 U.S.C. 1732(b) and 1782(c); 31 U.S.C. 9301 et seq.; 43 CFR 3802 and 43 CFR 3809.

PRINCIPAL PURPOSE: Information is being used to establish financial responsibility for surface disturbance on public lands.

ROUTINE USES: BLM will only disclose the information according to the regulations at 43 CFR 2.56(d).

EFFECT OF NOT PROVIDING INFORMATION: Disclosure of the information is necessary to receive a benefit. Failure to disclose this information may result in BLM's rejection of your application.

The Paperwork Reduction Act of 1995 requires us to inform you that:

BLM collects this information to grant the right to conduct exploration and mining activities on public lands.

Response to this request is required to obtain a benefit.

BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

BURDEN HOURS STATEMENT

Public reporting burden for this form is estimated to average 8 minutes per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0194), Bureau Information Collection Clearance Officer (WO-630), 1849 C Street, N.W., Washington, D.C. 20240.

(Form 3809-4a, page 2)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Nevada State Office
P.O. Box 12000 (1340 Financial Blvd)
Reno, Nevada 89520-0006
<http://www.nv.blm.gov>



In Reply Refer To:
3809 (NV923c)

MAY 24 2006

DECISION

Principal:

Nevada Division of Minerals
Reclamation Performance Bond Pool
400 W. King Street, Suite 106
Carson City, NV 89703

BLM Statewide Bond: NVB000493
Amount of Bond: \$1,000,000

Coprincipals:

Gold Summit Corporation, USA
970 Caughlin Crossing, Ste. 100
Reno, NV 89509

BLM Notice-Level Operations: N-81788
Bond Amount Required: \$7,029

Idaho General Mines, Inc.
10 N. Post Street, Ste. 610
Spokane, WA 99210

BLM Notice-Level Operations: N-81811
Bond Amount Required: \$28,309

White Knight Gold (U.S.) Inc.
121 Woodland Ave., Ste. 140
Reno, NV 89523

BLM Notice-Level Operations: N-81846
Bond Amount Required: \$2,301

Aberdene Mines, Ltd.
1458-409 Granville Street
Vancouver, BC V6C 1T8

BLM Notice-Level Operations: N-81991
Bond Amount Required: \$7,974
BLM Notice-Level Operations: N-81992
Bond Amount Required: \$15,017

Epithermal LLC
720 Faith Avenue
Ashland, OR 97520

BLM Notice-Level Operations: N-81859
Bond Amount Required: \$5,517

Bravo Alaska Inc.
1185 West Georgia Street, Ste. 1550
Vancouver, BC V6E 4E6

BLM Notice-Level Operations: N-81847
Bond Amount Required: \$14,000

AuEx, Inc.
940 Matley Lane, Ste. 17
Reno, NV 89502

: BLM Notice-Level Operations: N-79949
: Bond Amount Required: \$17,198
:

Bond Riders Extending Coverage to Coprincipals Accepted
Obligation Under Statewide Reclamation Performance Bond Increased

Effective December 16, 2005, the BLM Nevada State Office (NSO), accepted an increase of BLM Bond Number NVB000493, to the amount of \$1,000,000. The Nevada Division of Minerals, Reclamation Performance Bond Pool, is principal of the bond. The bond provides surface disturbance reclamation coverage for notice-level operations conducted on public lands in the State of Nevada under federal regulations at Title 43 CFR 3809.

The NSO recently received bond riders whereby the State of Nevada Reclamation Bond Pool extended coverage to the coprincipals as described below:

Gold Summit Corporation, USA

Effective April 11, 2006, the BLM Carson City Field Office issued a letter determining the reclamation cost estimate for surface disturbance on notice N-81788, the Blue Sphinx Project, to be \$7,029. On May 9, 2006, the NSO received a bond rider adding Gold Summit Corporation, USA, as coprincipal to BLM Bond Number NVB000493. The bond rider has been examined, found satisfactory, and is therefore accepted effective May 9, 2006. As coprincipal, the liabilities of the operator's notice-level operations N-81788, totaling \$7,029, are hereby obligated to BLM Bond Number NVB000493.

Idaho General Mines, Inc.

Effective April 17, 2006, the BLM Battle Mountain Field Office issued a letter determining the reclamation cost estimate for surface disturbance on notice N-81811, the Mount Hope Mine Drilling Project, to be \$28,309. On May 12, 2006, the NSO received a bond rider adding Idaho General Mines, Inc., as coprincipal to BLM Bond Number NVB000493. The bond rider has been examined, found satisfactory, and is therefore accepted effective May 12, 2006. As coprincipal, the liabilities of the operator's notice-level operations N-81811, totaling \$28,309, are hereby obligated to BLM Bond Number NVB000493.

White Knight Gold (U.S.) Inc.

Effective May 2, 2006, the BLM Battle Mountain Field Office issued a letter determining the reclamation cost estimate for surface disturbance on notice N-81846, the Gold Bar Horst Project, to be \$2,301. On May 15, 2006, the NSO received a bond rider adding

White Knight Gold (U.S.) Inc., as coprincipal to BLM Bond Number NVB000493. The bond rider has been examined, found satisfactory, and is therefore accepted effective May 15, 2006. As co-principal, the liabilities of the operator's notice-level operations N-81846, totaling \$2,301, are hereby obligated to BLM Bond Number NVB000493.

Aberdene Mines, Ltd.

Effective May 15, 2006, the BLM Carson City Field Office issued a letter determining the reclamation cost estimate for surface disturbance on notice N-81991, the Copper Queen Project, to be \$7,974. On May 15, 2006, the NSO received a bond rider adding Aberdene Mines, Ltd., as coprincipal to BLM Bond Number NVB000493. The bond rider has been examined, found satisfactory, and is therefore accepted effective May 15, 2006. As coprincipal, the liabilities of the operator's notice-level operations N-81991, totaling \$7,974, are hereby obligated to BLM Bond Number NVB000493.

Also, effective May 15, 2006, the BLM Carson City Field Office issued a letter determining the reclamation cost estimate for surface disturbance on notice N-81992, the Long Shot Ridge Project, to be \$15,017. On May 15, 2006, the NSO received a bond rider adding Aberdene Mines, Ltd., as coprincipal to BLM Bond Number NVB000493. The bond rider has been examined, found satisfactory, and is therefore accepted effective May 15, 2006. As coprincipal, the liabilities of the operator's notice-level operations N-81992, totaling \$15,017, are hereby obligated to BLM Bond Number NVB000493.

Epithermal LLC

Effective May 8, 2006, the BLM Carson City Field Office issued a letter determining the reclamation cost estimate for surface disturbance on notice N-81859, the Bruner Project, to be \$5,517. On May 17, 2006, the NSO received a bond rider adding Epithermal LLC, as coprincipal to BLM Bond Number NVB000493. The bond rider has been examined, found satisfactory, and is therefore accepted effective May 17, 2006. As coprincipal, the liabilities of the operator's notice-level operations N-81859, totaling \$5,517, are hereby obligated to BLM Bond Number NVB000493.

Bravo Alaska Inc.

Effective May 2, 2006, the BLM Battle Mountain Field Office issued a letter determining the reclamation cost estimate for surface disturbance on notice N-81847, the Signal Project, to be \$14,000. On May 22, 2006, the NSO received a bond rider adding Bravo Alaska Inc., as coprincipal to BLM Bond Number NVB000493. The bond rider has been examined, found satisfactory, and is therefore accepted effective May 22, 2006. As coprincipal, the liabilities of the operator's notice-level operations N-81847, totaling \$14,000, are hereby obligated to BLM Bond Number NVB000493.

AuEx, Inc.

Effective May 22, 2006, the BLM Elko Field Office issued a letter determining the reclamation cost estimate for surface disturbance on notice N-79949, the Long Canyon Project, to be \$17,198. On May 23, 2006, the NSO received a bond rider adding AuEx, Inc., as coprincipal to BLM Bond Number NVB000493. The bond rider has been examined, found satisfactory, and is therefore accepted effective May 23, 2006. As coprincipal, the liabilities of the operator's notice-level operations N-79949, totaling \$17,198, are hereby obligated to BLM Bond Number NVB000493.

Bond obligations adjusted by this Decision are shown in **bold** on the table below:

Coprincipal/ Operator	BLM Serial Number	BLM Field Office	Date of FO Determination	Bond Amount Required and Obligated
Grandcru Resources Corporation	N-79800	Elko	08/03/05	\$ 6,208
Alaska Gold Company	N-79996	Tonopah Field Station	05/24/05	\$ 3,769
Quito Gold Corporation	N-80555	Battle Mountain	08/23/05	\$ 8,698
MGC Resources, Inc.	N-80569	Ely	09/12/05	\$ 2,750
Atna Resources, Inc.	N-80595	Winnemucca	08/24/05	\$ 11,165
Doe Run Resources Corp.	N-80635	Winnemucca	09/25/05	\$ 7,386
Gold Summit Corporation U.S.A.	N-80655	Winnemucca	09/14/05	\$ 3,530
Apollo Gold Exploration Inc.	N-81788	Carson City	04/11/06	\$ 7,029
Silverthorn Exploration, Inc.	N-80668	Winnemucca	09/27/05	\$ 5,436
	N-80669	Tonopah Field Station	09/15/05	\$ 3,866
White Knight Gold (U.S.) Inc.	N-80128	Battle Mountain	07/13/05	\$ 2,114
	N-80749		09/19/05	\$ 9,792
	N-80894		10/06/05	\$ 21,093
	N-81846		05/02/06	\$ 2,301
Quicksilver Ventures Nevada, Inc.	N-80885	Elko	09/28/05	\$ 4,446
	N-80909	Tonopah Field Station	10/17/05	\$ 1,312
MIN-AD, Inc.	N-80893	Winnemucca	10/07/05	\$ 2,189
Bonaventure Nevada Inc.	N-80917	Elko	10/17/05	\$ 19,657

Federated Commercial Industries, Inc.	N-80921	Ely	10/27/05	\$ 4,106
BH Minerals USA, Inc.	N-80923	Battle Mountain	04/04/06	\$ 4,155
Epithermal LLC	N-81015 N-81859	Battle Mountain Carson City	11/16/05 05/08/06	\$ 4,000 \$ 5,517
Placer Dome Exploration	N-81032	Battle Mountain	11/22/05	\$ 25,613
Quincy Energy Corp.	N-81070	Winnemucca	12/14/05	\$ 1,904
Win-Eldrich Gold Inc.	N-81359	Winnemucca	01/05/06	\$ 822
Robert Burkett	N-81461	Tonopah Field Station	02/16/06	\$ 1,020
MIM (USA) Inc.	N-81448	Carson City	03/02/06	\$ 6,542
Pan-Nevada Gold Corp.	N-81476	Winnemucca	03/16/06	\$ 9,636
Idaho General Mines, Inc.	N-81485 N-81811	Battle Mountain	02/15/06 04/17/06	\$ 16,971 \$ 28,309
Agnico-Eagle (USA) Limited	N-81508	Tonopah Field Station	03/20/06	\$ 2,174
Victoria Resources (US) Inc.	N-81779	Battle Mountain	04/07/06	\$ 4,978
Aberdene Mines, Ltd.	N-81991 N-81992	Carson City	05/15/06	\$ 7,974 \$ 15,017
Bravo Alaska Inc.	N-81847	Battle Mountain	05/02/06	\$ 14,000
AuEx, Inc.	N-79949	Elko	05/22/06	\$ 17,198
Total Amount Obligated Under BLM Bond Number NVB000493				\$ 292,677

Considering the total amount of BLM Bond Number NVB000493, and the amount that is currently obligated for surface reclamation, \$707,323 remains available for future amendments or new operations.

If you have any questions regarding this decision, please call Cindi Dragon at (775) 861-6458, send a facsimile to (775) 861-6710, electronic mail to cdragon@blm.gov, or write to the attention of NV923(c), at the letterhead address.

Elaine M. Lewis

FOR Atanda Clark
Chief, Branch of Minerals Adjudication

cc:

NV010(KLaird, JStadelman, DMcFarlane)

NV023(SRichey)

NV033(DSchroeder)

NV040(LBjorklund, BWilson)

NV063(SHutcherson, SDrummond, SMallory)

NV065(GDeverse)

NV923(CDragon)



GENERAL MOLY, Inc.

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2008 JUN -3 AM 10:17

VIA HAND DELIVERY

June 3, 2008

Mr. Stephen C. Drummond
Bureau of Land Management
Battle Mountain Field Office
50 Bastian Road
Battle Mountain, Nevada 89820

RE: Amendment to Kobeh Valley Central-C Well Field Drilling Notice – NVN-081811
3809 (NV063)

Dear Steve:

General Moly, Inc. (General Moly) submitted a notice to drill and test water wells in 2006 (Notice NVN-081811). General Moly is submitting this Amendment with the intent of updating the disturbance for the permitted wells and adding six well sites, and modifying the Notice boundary. Per BLM's request for additional information, this letter also supports the request for extension of this notice.

Currently, three test wells and two observation wells have been drilled with an associated disturbance of 2.56 acres (Table 1).

Table 1: Actual Disturbance Kobeh Valley Central C Notice

Well ID #	Pad Dimensions (feet) / (acres)	Maximum Hole Diameter (inches)	Maximum Depth (feet)	Overland Travel (feet) / (acres)	Total Disturbance (acres)
KV #1	(200x100)/0.46	12" first 50 feet then 8" to bottom of hole	1,500	-	0.46
Observation Well 1A (south of Test Well #1)	(100x100)/0.23	8" first 50 feet then 4" to bottom of hole	1,500	-	0.23
Observation Well 1B (east of Test Well #1)	(100x100)/0.23	8" first 50 feet then 4" to bottom of hole	1,500	(400 x 12)/0.11	0.34
KV#5	(200x100)/0.46	12" first 50 feet then 8" to bottom of hole	1,500	(2,200 x 12)/0.61	1.07
KV#11	(200x100)/0.46	12" first 50 feet then 8" to bottom of hole	1,500	-	0.46
Test Well Sumps	(3 each @ 60' x 10' x 5')	-	-	-	Within pad disturbance
Observation Well Sumps	(2 each @ 30' x 10' x 5')	-	-	-	Within pad disturbance
Total disturbance (acres)	1.84	-	7,500	0.72	2.56

General Moly is proposing to add six new well sites, Test wells RWX08-221, RWX08-222, RWX08-223, RWX08-224, RWX08-225, RWX08-226 and RWX08-227 each with an associated observation well. The drill pads will be 70 feet x 200 feet, or 0.32 acres of disturbance (Table 2). Test Well and Observation Well sumps will be included in the drill pad disturbance footprint. These wells will be accessed from existing roads and will involve only the disturbance associated with the drill pad. The Test Wells will be 12 inches in diameter to a depth of 610 feet. The Observation Wells will be drilled from the same pad as the Test Wells, but will be 8 inches in diameter for the first 50 feet and 6 inches for the remainder of the well to a depth of 1,000 feet.

General Moly is prepared to have a qualified archaeologist on site to monitor the placement of all drill pads and overland travel. Some locations may be moved slightly to avoid cultural resources. Any minor adjustments will be communicated to BLM.

Table 2: Proposed Amended Disturbance to Kobeh Valley Central C Notice

Well ID #	Pad Dimensions (feet) / (acres)	Maximum Hole Diameter (inches)	Maximum Depth (feet)	Overland Travel (feet) / (acres)	Total Disturbance (acres)
RWX08-221 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-221T Test Well	Same pad as test well	12 to	610	-	-
RWX08-222 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-222T Test Well	Same pad as test well	12 to	610	-	-
RWX08-223 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-223T Test Well	Same pad as test well	12 to	610	-	-
RWX08-224 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-224T Test Well	Same pad as test well	12 to	610	-	-
RWX08-225 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-225T Test Well	Same pad as test well	12 to	610	-	-
RWX08-226 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-226T Test Well	Same pad as test well	12 to	610	-	-
RWX08-227 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-227T Test Well	Same pad as test well	12 to	610	-	-
Test Well Sumps	(7 each @ 60' x 10' x 5')	-	-	-	Within pad disturbance
Observation Well	(7 each @ 30' x	-	-	-	Within pad

Mr. Stephen C. Drummond
June 3, 2008
Page 3 of 3

Well ID #	Pad Dimensions (feet) / (acres)	Maximum Hole Diameter (inches)	Maximum Depth (feet)	Overland Travel (feet) / (acres)	Total Disturbance (acres)
Sumps	10'x 5')				disturbance
Total Proposed New	2.24	-	11,270	-	2.24
Total Existing Disturbance	1.84	-	7,500	0.72	2.56
New Total for Amended Notice	4.08	-	18,770	0.72	4.80

As a result of the change in the number and location of drill holes, the surface disturbance associated with drill pads and access has been increased to 4.80 acres. The original notice area boundary has been expanded as noted on Figure 1 to accommodate the new well locations.

Reclamation costs are estimated at \$241,200 for the disturbance and reclamation associated with this Amendment. General Moly will be contacting the BLM regarding bond amount in the near future. If you have any questions regarding this request, please contact me at 753-5009.

Very truly yours,



Brian J. Musser
Environmental Manager
Mount Hope Project

Attachment: Notes to SRCE-based Reclamation Cost Model with Calculators
Figure 1; and
Reclamation Cost Estimate for Notice for Kobeh Central C

cc: Andy Russell, General Moly, Inc.
Pat Rogers, General Moly, Inc.
Casey Kelly, General Moly, Inc.

Notes to SRCE-based Reclamation Cost Model with Calculators

The BLM has requested that the SRCE-based Reclamation Cost Model (Model) with Calculators be used for determining the estimated reclamation costs for Notices. This Model has several assumptions that cannot be changed by the user. As a result, the Model calculates the area of disturbance based on these assumptions and not on the actual disturbance footprints. Consequently, the Model calculated the disturbance for this Notice to be 1.40 acres, whereas the actual disturbance footprint is 4.80 acres of disturbance.

The following assumptions or inputs to the Model were used to calculate the reclamation cost:

1. One Test Well and one Observation Well would be drilled as a pair on the same drill pad at seven sites.
2. Three Wells and two Observation Wells would be drilled on their own separate drill pads.
3. Maximum depths of the Test Wells are as shown in Table 2.
4. Drill pad areas are as shown in Table 2.
5. Maximum depths of the Observation Wells are as shown in Table 2.
6. All holes will be open at one time, for a total open-hole depth of 18,770 ft.

Using these assumptions, the Model calculates a reclamation cost estimate of \$231,557. However, the Model only estimates the disturbance to be 1.40 acres.

The Model was adjusted by adding additional drill pads to approximate the actual 4.80 acres of disturbance (i.e., adjusting for assumption number 4 above). By increasing the number of drill pads to 51, the Model calculated a disturbance of 4.80 acres. This increased the reclamation cost by \$9,643 to \$241,200. This adjusted figure is used as the final reclamation cost estimate for this amendment.

June 3, 2008

SRCE-based Reclamation Cost Model With Calculators

For Notice-Level Exploration

Kobeh Valley Water Well Exploration Drilling Notice - Kobeh Central A- HWY-081811 Amendment (Actual No. Drill Pits)

FY 2007 Model

Linear Feet of Road
On a Side Slope
<30%
>30%

Linear
Feet

Recontouring Cost <30%
Recontouring Cost >30%

Labor Cost

Manpower
Equipment

Materials

Cost/Linear Foot

Road Reclamation

Drill Sites and Sumps
Drill Sites < 30% slopes
Drill Sites > 30% slopes
Drill Sites Cross Country
Sumps

Number
12
0
0
12

Recontouring Cost
Recontouring Cost
Ripping Cost
Recontouring Cost

Labor Cost
\$408
\$0
\$7
\$443

Manpower
Equipment
Materials

Cost each

Cost each
\$76.60
\$246.00
\$10.50
\$83.30

Pad& Sum
Reclamation
\$922
\$1,000

Trenches
Cross Country Travel

Linear Feet
0
2,600

Recontouring Cost
Ripping Cost

Labor Cost
\$104

Manpower
Equipment

Materials

Cost/Linear Foot
\$2.64
\$0.06

\$0
\$156

Total Disturbance

Slope Acres
1.42

Revegetation Cost

Labor Cost
\$107

Manpower
Equipment

Materials

Cost/Acre
\$414.50

\$988

150 miles Mobilization
150 miles Mobilization

#/Feet
1870
1870

Mobilization Cost-excavator
Mobilization Cost-digger

Labor Cost
\$417
\$276

Manpower
Equipment

Materials

Cost/Linear Foot
\$907.10
\$656.50

\$907
\$656

Drill Holes Open
Feet of Open Holes - Wet
Feet of Open Holes - Dry
Feet of Casing to Pull

#/Feet
1870
1870

Plugging Cost - Wet
Plugging Cost - Dry
Pulling Casing

Labor Cost
\$21,961
\$0
\$31,168

Manpower
Equipment

Materials

Cost/Linear Foot
\$3.76
\$0.75
\$5.72

\$70,913
\$1
\$107,289

150 miles Mobilization
150 miles Mobilization

Total Acres
0.00
0.73
0.31
0.00
0.36
1.40

Mobilization Cost - Wet
Mobilization Cost - Dry

Labor Cost
\$720
\$0

Manpower
Equipment

Materials

Cost/Linear Foot
\$1,279.72
\$199.58
\$561.40

\$2,000
\$0

Disturbance Type
Roads
Drill Sites
Sumps
Trenches
Cross Country
total Notice acres

Total Acres
0.00
0.73
0.31
0.00
0.36
1.40

Total Linear Feet
0

Slope Acres
0.00
0.75
0.31
0.00
0.36
1.42

Total Reclamation Cost
\$184,431

Insurance
Bond

Contractor Profit
Contract Administration
Indirect Costs

1.5% Labor Cost
3% Total Reclamation Cost
10% Total Reclamation Cost
10% Total Reclamation Cost
21% of Contract Administration Cost

Total Labor
\$55,554

\$834
\$5,533
\$18,443
\$18,443
\$3,873

Green cells with blue font is for user input
Yellow cells are unit costs

Cost per acre
\$164,094

Financial Guarantees
Amount

\$751,557

Bond required only if total reclamation cost > \$100,000

Total Administration Cost
\$47,128

Bureau of Land Management Notice Level Reclamation Cost Estimation Worksheet	
Costs for this Notice Level Reclamation Cost Estimator are based on values and assumptions used in the Standardized Reclamation Cost Estimator (SRCE) Version 1.1.1. Cost Data are from October 1, 2006. This worksheet is simpler than the SRCE and does not allow the flexibility of entering project specific information in some situations. The model will generate approximately the same reclamation costs as the SRCE model if the same inputs and assumptions are applied. Below are the methods and assumptions used by this model to generate a Financial Guarantee Amount.	
1. There are two side hill slope categories used for all calculations in this worksheet. All slopes under 30% (<30%) are assumed to have a slope of 20%.	
2. All slopes over 30% (>30%) are assumed to have a slope of 40%.	
3. All Roads in this worksheet are assumed to have a 14 foot wide dimension across the flat "driveable" part of the road without any safety berms.	
4. All Drill Sites in this worksheet are assumed to be 30 feet wide. For Drill Sites on slopes <30% they are 70 feet long. For Drill Sites on slopes >30% they are 83 feet long.	
5. All Road and Drill Sites cut banks are assumed to have a 60 degree slope.	
6. All Road and Drill Sites fill slopes are assumed to have an angle of repose of 1.4H:1V or about 70% slope equal to a 35 degree angle.	
7. Roads are linear features and the units required for input to this worksheet are in linear feet.	
8. Recontouring for reclamation of Roads, Drill Sites, and Sumps is done with a track excavator of a Cat 320C size with a 1.57 CY bucket and productivity of 139 CY per hour.	
9. Equipment operator Manpower cost is based on Davis-Bacon wage rates for Northern Nevada.	
10. Laborer cost is based on Davis-Bacon wage rates for Northern Nevada with Area pay = \$2.00 per hour, FICA = 7.65%, Unemployment = 3% and Workmen's Comp = 10.75%.	
11. Revegetation cost is based on the cost of use of a D4 class dozer which scarifies, seeds and drags the seed in on one pass.	
12. Revegetation costs are based on a per acre basis.	
13. Drill Sites recontouring cost is based on a standard pad width and length.	
Drill Sites on slopes <30% and Cross Country Drill Sites are 30 feet wide by 70 feet long.	
On Cross Country Drill Sites, the disturbed area is ripped by a Cat D6 size dozer.	
On Drill Sites <30% slopes they are assumed to be outside the Drill Site.	
On Drill Sites >30% slopes sumps are assumed to lie within the 30 foot * 83 foot dimension of the Drill Site.	
14. Trenches are assumed to be 300 feet long by 14 feet wide by 5 feet deep. They are recontoured with a Cat D6 sized dozer assuming a 208 CY/hour productivity. Trenches swell factor is 30%.	
15. Recontouring earthwork for Roads, Drill Sites and Sumps has an assumed swell factor of 20%. Trenches swell factor is 30%.	
16. Cross Country travel is assumed to have a disturbance of 6 feet wide by the linear feet of travel on slopes under 10%.	
Revegetation costs for all Cross Country disturbance is based on a 12 foot wide seeding width on one pass.	
17. Mobilization and Demobilization are based on 150 miles one way to project and are based on 2006 Vega Construction and Trucking quotes.	
Travel times are assumed to be 2.73 hours one way to the project.	
18. Mobilization for a Cat 320C excavator will be charged for regrading of Roads, Drill Sites only.	
If any Trenches or Cross Country travel is included a D6 dozer will be mobilized also.	
19. All projects that propose drilling will require a minimum Drill Holes Open abandonment cost.	
If a drill hole will not penetrate the static water level it may be abandoned as an Open Hole - Dry.	
If a drill hole is drilled deeper than the static water level it is considered a wet hole and must be abandoned as an Open Hole - Wet.	
20. Mobilization for Drill Holes - Open for Open Hole - Wet will include one drilling plus crew and support equipment.	
21. Mobilization for Drill Holes - Open for Open Hole - Dry will include one backhoe and operator, and one general laborer.	
22. Drill Hole Plugging Cost for Open Hole - Wet is based on average time to plug a 1000 ft. 6" Drill Hole (using productivity data from 8 drilling contractors December 2006).	

Nevada BLM, January 17, 2007

Bureau of Land Management Notice Level Reclamation Cost Estimation Worksheet	
Costs for this Notice Level Reclamation Cost Estimator are based on values and assumptions used in the Standardized Reclamation Cost Estimator (SRCE) Version 1.1.1. Cost Data are from October 1, 2008. This worksheet is simpler than the SRCE and does not allow the flexibility of entering project specific information in some situations. The model will generate approximately the same reclamation costs as the SRCE model if the same inputs and assumptions are applied. Below are the methods and assumptions used by this model to generate a Financial Guarantee Amount.	
1. There are two side hill slope categories used for all calculations in this worksheet. All slopes under 30% (<30%) are assumed to have a slope of 20%. All slopes over 30% (>30%) are assumed to have a slope of 40%.	
2. All Roads in this worksheet are assumed to have a 14 foot wide dimension across the flat "driveable" part of the road without any safety berms.	
3. All Drill Sites in this worksheet are assumed to be 30 feet wide. For Drill Sites on slopes <30% they are 70 feet long. For Drill Sites on slopes >30% they are 83 feet long.	
4. All Road and Drill Sites cut banks are assumed to have a 60 degree slope.	
5. All Road and Drill Sites fill slopes are assumed to have an angle of repose of 1.4H:1V or about 70% slope equal to a 35 degree angle.	
6. Roads are linear features and the units required for input to this worksheet are in linear feet.	
7. Recontouring for reclamation of Roads, Drill Sites, and Sumps is done with a track excavator of a Cat 320C size with a 1.57 CY bucket and productivity of 139 CY per hour.	
8. Equipment operator Manpower cost is based on Davis-Bacon wage rates for Northern Nevada. Area pay = \$3.00 per hour, FICA = 7.65%, Unemployment = 3% and Workmen's Comp = 10.75%.	
9. Laborer cost is based on Davis-Bacon wage rates for Northern Nevada with Area pay = \$2.00 per hour, FICA = 7.65%, Unemployment = 3% and Workmen's Comp = 10.75%.	
10. Revegetation cost is based on the cost of use of a D4 class dozer which scarifies, seeds and drags the seed in on one pass.	
11. Revegetation costs are based on a per acre basis.	
12. Drill Sites recontouring cost is based on a standard pad width and length.	
Drill Sites on slopes <30% and Cross Country Drill Sites are 30 feet wide by 70 feet long.	
On Cross Country Drill Sites, the disturbed area is ripped by a Cat D6 size dozer.	
On Drill Sites >30% slopes they are assumed to be outside the Drill Site.	
On Drill Sites >30% slopes sumps are assumed to lie within the 30 foot * 83 foot dimension of the Drill Site.	
14. Trenches are assumed to be 300 feet long by 14 feet wide by 5 feet deep. They are recontoured with a Cat D6 sized dozer assuming a 208 CY hour productivity.	
15. Recontouring earthwork for Roads, Drill Sites and Sumps has an assumed swell factor of 20%. Trenches swell factor is 30%.	
16. Cross Country travel is assumed to have a disturbance of 6 feet wide by the linear feet of travel on slopes under 10%.	
Revegetation costs for all Cross Country disturbance is based on a 12 foot wide seeding width on one pass.	
17. Mobilization and Demobilization are based on 150 miles one way to project and are based on 2008 Vega Construction and Trucking quotes.	
Travel times are assumed to be 2.73 hours one way to the project.	
18. Mobilization for a Cat 320C excavator will be charged for regrading of Roads, Drill Sites only.	
If any Trenches or Cross Country travel is included a D6 dozer will be mobilized also.	
19. All projects that propose drilling will require a minimum Drill Holes Open abandonment cost.	
If a drill hole will not penetrate the static water level it may be abandoned as an Open Hole - Dry.	
If a drill hole is drilled deeper than the static water level it is considered a wet hole and must be abandoned as an Open Hole - Wet.	
20. Mobilization for Drill Holes - Open for Open Hole - Wet will include one drill rig plus crew and support equipment.	
21. Mobilization for Drill Holes - Open for Open Hole - Dry will include one backhoe and operator and one general laborer.	
22. Drill Hole Plugging Cost for Open Hole - Wet is based on average time to plug a 1000 ft. 6" Drill Hole (using productivity data from 8 drilling contractors December 2008).	

Nevada BLM, January 17, 2007



GENERAL MOLY, Inc.

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BATTLE MOUNTAIN FIELD OFFICE

June 10, 2008

Mr. Stephen C. Drummond
Bureau of Land Management
Battle Mountain Field Office
50 Bastian Road
Battle Mountain, Nevada 89820

RE: Kobeh Valley Central-C Well Field Drilling Notice -- NVN-081811
3809 (NV063)

Dear Steve:

Attached please find an updated Figure for Notice NVN-081811. This figure replaces the Figure attached to the June 3, 2008 notice hand delivered to the Battle Mountain Field Office.

If you have any questions regarding this submittal, please contact me at the number above.

Very truly yours,

Brian J. Musser
Environmental Manager
Mount Hope Project

Attachment: Figure 1

Casey
Strickland/BMFO/NV/BLM/DO
I

06/05/2008 04:09 PM

To bmusser@generalmoly.com
cc
bcc
Subject 3809 Notices

Brian,

Here are the needed changes for the notices we talked about. Give me a call at 775-635-4017 if you have any questions.

For all three Notices

The Reclamation Cost Model needs to be updated to use the model for Notice-Level Exploration that is based on SRCE Version 1.1.2. I will attach a copy of the new Model since the website seems to be down, and I will also attach the models that I plugged values into for each of the notices.

NVN-083245 (08-2A)

Table 2's Total Proposed New Pad Dimensions should be 1.85 instead of 1.75. This will also change the New Total for Pad Dimensions and also the Total Disturbance for both Total Proposed and New Total.

NVN-083246 (08-2A)

Nothing other than cost models.

NVN-081811 (08-1A)

On the map submitted with the notice, in T20N R52E Sect. 17 is shown as NVN-081811(Corrected) with a well in it. I see no reference to this section or well in any of the notice paperwork. From our conversation it sounds like that should not be on the map. If it should not be there, then please delete it from the map. If it should be there then please explain why it is shown.



Notice_Model_FY2007V3.1.xls 83246 Notice_Model_FY2007V3.1.xls 81811 Notice_Model_FY2007V3.1.xls



83245 Notice_Model_FY2007V3.1.xls

Thanks,

Casey Strickland

81811



GENERAL MOLY

GENERAL MOLY, Inc.

2215 North 5th St.
 Elko, NV 89801
 Phone: 775.753.5009
 Fax: 775.753.7722
 Email: bmusser@generalmoly.com
 Website: www.generalmoly.com

June 11, 2008

Mr. Stephen C. Drummond
 Bureau of Land Management
 Battle Mountain Field Office
 50 Bastian Road
 Battle Mountain, Nevada 89820

RE: Amendment to Kobeh Valley Central-C Well Field Drilling Notice – NVN-081811
 3809 (NV063) - Revised

Dear Steve:

General Moly, Inc. (General Moly) submitted a notice to drill and test water wells in 2006 (Notice NVN-081811). General Moly is submitting this Amendment with the intent of updating the disturbance for the permitted wells and adding seven well sites, and modifying the Notice boundary. Per BLM's request for additional information, this letter also supports the request for extension of this notice. At BLMs request this notice amendment has been revised to incorporate the new Notice-Level Exploration model that is based on SRCE Version 1.1.2. and minor corrections within the text.

Currently, three test wells and two observation wells have been drilled with an associated disturbance of 2.56 acres (Table 1).

Table 1: Actual Disturbance Kobeh Valley Central C Notice

Well ID #	Pad Dimensions (feet) / (acres)	Maximum Hole Diameter (inches)	Maximum Depth (feet)	Overland Travel (feet) / (acres)	Total Disturbance (acres)
KV #1	(200x100)/0.46	12" first 50 feet then 8" to bottom of hole	1,500	-	0.46
Observation Well 1A (south of Test Well #1)	(100x100)/0.23	8" first 50 feet then 4" to bottom of hole	1,500	-	0.23
Observation Well 1B (east of Test Well #1)	(100x100)/0.23	8" first 50 feet then 4" to bottom of hole	1,500	(400 x 12)/0.11	0.34
KV#5	(200x100)/0.46	12" first 50 feet then 8" to bottom of hole	1,500	(2,200 x 12)/0.61	1.07
KV#11	(200x100)/0.46	12" first 50 feet then 8" to bottom of hole	1,500	-	0.46
Test Well Sumps	(3 each @ 60' x 10' x 5')	-	-	-	Within pad disturbance
Observation Well Sumps	(2 each @ 30' x 10' x 5')	-	-	-	Within pad disturbance
Total disturbance (acres)	1.84	-	7,500	0.72	2.56

Mr. Stephen C. Drummond

June 6, 2008

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General Moly is proposing to add six new well sites, Test wells RWX08-221, RWX08-222, RWX08-223, RWX08-224, RWX08-225, RWC08-226 and RWX08-227 each with an associated observation well. The drill pads will be 70 feet x 200 feet, or 0.32 acres of disturbance (Table 2). Test Well and Observation Well sumps will be included in the drill pad disturbance footprint. These wells will be accessed from existing roads and will involve only the disturbance associated with the drill pad. The Test Wells will be 12 inches in diameter to a depth of 610 feet. The Observation Wells will be drilled from the same pad as the Test Wells, but will be 8 inches in diameter for the first 50 feet and 6 inches for the remainder of the well to a depth of 1,000 feet.

General Moly is prepared to have a qualified archaeologist on site to monitor the placement of all drill pads and overland travel. Some locations may be moved slightly to avoid cultural resources. Any minor adjustments will be communicated to BLM.

Table 2: Proposed Amended Disturbance to Kobeh Valley Central C Notice

Well ID #	Pad Dimensions (feet) / (acres)	Maximum Hole Diameter (inches)	Maximum Depth (feet)	Overland Travel (feet) / (acres)	Total Disturbance (acres)
RWX08-221 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-221T Test Well	Same pad as test well	12 to	610	-	-
RWX08-222 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-222T Test Well	Same pad as test well	12 to	610	-	-
RWX08-223 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-223T Test Well	Same pad as test well	12 to	610	-	-
RWX08-224 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-224T Test Well	Same pad as test well	12 to	610	-	-
RWX08-225 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-225T Test Well	Same pad as test well	12 to	610	-	-
RWX08-226 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-226T Test Well	Same pad as test well	12 to	610	-	-
RWX08-227 Observation Well	(70x200) / 0.32	8 to 6 to	50 1000	-	0.32
RWX08-227T Test Well	Same pad as test well	12 to	610	-	-
Test Well Sumps	(7 each @ 60' x 10' x 5')	-	-	-	Within pad disturbance
Observation Well Sumps	(7 each @ 30' x 10' x 5')	-	-	-	Within pad disturbance

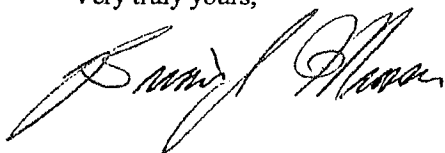
Mr. Stephen C. Drummond
June 6, 2008
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Well ID #	Pad Dimensions (feet) / (acres)	Maximum Hole Diameter (inches)	Maximum Depth (feet)	Overland Travel (feet) / (acres)	Total Disturbance (acres)
Total Proposed New	2.24	-	11,270	-	2.24
Total Existing Disturbance	1.84	-	7,500	0.72	2.56
New Total for Amended Notice	4.08	-	18,770	0.72	4.80

As a result of the change in the number and location of drill holes, the surface disturbance associated with drill pads and access has been increased to 4.80 acres. The original notice area boundary has been expanded as noted on Figure 1 to accommodate the new well locations.

Reclamation costs are estimated at \$244,000 for the disturbance and reclamation associated with this Amendment. General Moly will be contacting the BLM regarding bond amount in the near future. If you have any questions regarding this request, please contact me at 753-5009.

Very truly yours,



Brian J. Musser
Environmental Manager
Mount Hope Project

Attachment: Notes to SRCE-based Reclamation Cost Model with Calculators
Figure 1; and
Reclamation Cost Estimate for Notice for Kobeh Central C

cc: Andy Russell, General Moly, Inc.
Pat Rogers, General Moly, Inc.
Casey Kelly, General Moly, Inc.

Notes to SRCE-based Reclamation Cost Model with Calculators

The BLM has requested that the SRCE-based Reclamation Cost Model (Model) with Calculators be used for determining the estimated reclamation costs for Notices. This Model has several assumptions that cannot be changed by the user. As a result, the Model calculates the area of disturbance based on these assumptions and not on the actual disturbance footprints. Consequently, the Model calculated the disturbance for this Notice to be 1.29 acres, whereas the actual disturbance footprint is 4.80 acres of disturbance.

The following assumptions or inputs to the Model were used to calculate the reclamation cost:

1. One Test Well and one Observation Well would be drilled as a pair on the same drill pad at seven sites.
2. Three Wells and two Observation Wells would be drilled on their own separate drill pads.
3. Maximum depths of the Test Wells are as shown in Table 2.
4. Drill pad areas are as shown in Table 2.
5. Maximum depths of the Observation Wells are as shown in Table 2.
6. All holes will be open at one time, for a total open-hole depth of 18,770 ft.

Using these assumptions, the Model calculates a reclamation cost estimate of \$234,746. However, the Model only estimates the disturbance to be 1.29 acres.

The Model was adjusted by adding additional drill pads to approximate the actual 4.80 acres of disturbance (i.e., adjusting for assumption number 4 above). By increasing the number of drill pads to 58, the Model calculated a disturbance of 4.84 acres. This increased the reclamation cost by \$9,292 to \$244,038. This adjusted figure is used as the final reclamation cost estimate for this amendment.

SRCE-based Reclamation Cost Model With Calculators									
For Notice-Level Exploration									
Kobeh Valley Water Well Exploration Drilling Notice - Kobeh Central A - NVN-081811 Amendment (Adjusted Acreage)									
FY 2007 Model Version 3.1									
June 11, 2008	Linear Feet of Road On a Side Slope	Linear Feet	Recontouring Cost <30%	Labor Cost	Manpower	Equipment	Materials	Cost/Linear Foot	Road Reclamation
	<30%	0	Recontouring Cost >30%	\$0	\$0.11	\$0.13	\$0.00	\$0.24	\$0
	>30%	0		\$0	\$0.29	\$0.36	\$0.00	\$0.65	\$0
Drill Sites and Sumps									
Drill Sites < 30% slopes	Number	58	Recontouring Cost	\$1,995	\$34.40	\$43.20	\$0.00	Cost each	Pad& Sump Reclamation
Drill Sites > 30% slopes	0	0	Recontouring Cost	\$0	\$110.20	\$138.40	\$0.00	\$77.60	\$4,601
Drill Sites Cross Country	0	0	Ripping Cost	\$0	\$4.94	\$2.03	\$0.00	\$6.97	\$0
Sumps	58	58	Recontouring Cost	\$1,276	\$22.00	\$26.80	\$0.00	\$48.80	\$2,830
Trenches									
Cross Country Travel	Linear Feet	0	Recontouring Cost	\$0	\$0.95	\$1.73	\$0.00	Cost/Linear Foot	
	2,600		Ripping Cost	\$73	\$0.03	\$0.01	\$0.00	\$0.04	\$103
Total Disturbance									
	Slope Acres	4.91	Revegetation Cost	\$358	\$73.00	\$82.00	\$302.50	Cost/Acre	\$2,148
150 miles Mobilization			Mobilization Cost-excavator	\$356	\$356.17	\$418.11		Mob+Demob	\$774
150 miles Mobilization			Mobilization Cost-digger	\$563	\$563.21	\$777.77		\$1,340.98	\$1,341
Drill Holes Open									
Feet of Open Holes - Wet	#/Feet	18770	Plugging Cost - Wet	\$7,921	\$0.42	\$1.49	\$0.58	Cost/Feet	Drill Hole Plugging
Feet of Open Holes - Dry			Plugging Cost - Dry	\$0	\$0.48	\$0.23	\$0.04	\$2.80	\$46,908
Feet of Casing to Pull		18770	Pulling Casing	\$30,914	\$1.65	\$5.39	\$0.00	\$0.75	\$0
150 miles Mobilization			Mobilization Cost - Wet	\$1,412	\$1,412.16	\$2,510.52		Mob+Demob	\$3,923
150 miles Mobilization			Mobilization Cost - Dry	\$0	\$313.20	\$168.65		\$481.85	\$0
Disturbance Type									
Roads	Total Acres	0.00	Total Linear Feet	0					Total Reclamation Cost
Drill Sites	3.54	3.61							\$194,536
Sumps	0.94	0.94							
Trenches	0.00	0.00							
Cross Country	0.36	0.36							Total Labor
total Notice acres	4.84	4.91							\$44,870
Insurance									
Bond*								1.5% Labor Cost	\$673
Contractor Profit								3% Total Reclamation Cost	\$5,896
Contract Administration								10% Total Reclamation Cost	\$19,454
Indirect Costs								10% Total Reclamation Cost	\$19,454
								21% of Contract Administration Cost	\$4,085
								Total Administration Cost	\$49,502
green cells with blue font is for user input									
yellow cells are unit costs									
* Bond required only if total reclamation cost > \$100,000									
Cost per acre									Financial Guarantee
\$50,421									Amount
									\$244,038

Bureau of Land Management Notice Level Reclamation Cost Estimation Worksheet	
Costs for this Notice Level Reclamation Cost Estimator are based on values and assumptions used in the Standardized Reclamation Cost Estimator (SRCE) Version 1.1.2. Cost Data are from August 1, 2007. This worksheet is simpler than the SRCE and does not allow the flexibility of entering project specific information in some situations. The model will generate approximately the same reclamation costs as the SRCE model if the same inputs and assumptions are applied. Below are the methods and assumptions used by this model to generate a Financial Guarantee Amount.	
1. There are two side hill slope categories used for all calculations in this worksheet. All slopes under 30% (<30%) are assumed to have a slope of 20%.	
2. All slopes over 30% (>30%) are assumed to have a slope of 40%.	
3. All Roads in this worksheet are assumed to have a 14 foot wide dimension across the flat "driveable" part of the road without any safety berms.	
4. All Drill Sites in this worksheet are assumed to be 30 feet wide. For Drill Sites on slopes <30% they are 70 feet long. For Drill Sites on slopes >30% they are 83 feet long.	
5. All Road and Drill Sites cut banks are assumed to have a 60 degree slope.	
6. All Road and Drill Sites III slopes are assumed to have an angle of repose of 1.4H:1V or about 70% slope equal to a 35 degree angle.	
7. Roads are linear features and the units required for input to this worksheet are in linear feet.	
8. Recontouring for reclamation of Roads, Drill Sites, and Sumps is done with a track excavator of a Cat 320C size with a 1.57 CY bucket and productivity of 139 CY per hour.	
9. Equipment operator Manpower cost is based on Davis-Bacon wage rates for Northern Nevada. FICA = 7.65%, Unemployment = 3%, and Workmen's Comp = 8.50%. Area pay = \$3.00 per hour.	
10. Labor cost is based on Davis-Bacon wage rates for Northern Nevada with Area pay = \$2.00 per hour, FICA = 7.65%, Unemployment = 3%, and Workmen's Comp = 9.50%.	
11. Revegetation cost is based on the cost of use of a D4 class dozer which scarifies, seeds and drags the seed in on one pass.	
12. Revegetation costs are based on a per acre basis.	
13. Drill Sites recontouring cost is based on a standard pad width and length.	
14. Drill Sites on slopes <30% and Cross Country Drill Sites are 30 feet wide by 70 feet long.	
15. On Cross Country Drill Sites, the disturbed area is ripped by a Cat D6 size dozer.	
16. Drill Sites on slopes >30% are 30 feet wide by 83 feet long.	
17. On Drill Sites <30% slopes they are assumed to be outside the Drill Site.	
18. On Drill Sites >30% slopes sumps are assumed to lie within the 30 foot * 83 foot dimension of the Drill Site.	
19. Trenches are assumed to be 300 feet long by 14 feet wide by 5 feet deep. They are recontoured with a Cat D6 sized dozer assuming a 208 CY hour productivity.	
20. Recontouring earthwork for Roads, Drill Sites and Sumps has an assumed swell factor of 20%. Trenches swell factor is 30%.	
21. Cross Country travel is assumed to have a disturbance of 5 feet wide by the linear feet of travel on slopes under 10%.	
22. Revegetation costs for all Cross Country disturbance is based on a 12 foot wide seeding width on one pass.	
23. Mobilization and Demobilization are based on 150 miles one way to project and are based on the 2007 SRCE & RS Means with Davis-Bacon Mob/Demob worksheet.	
24. Travel times are assumed to be 2.73 hours one way to the project.	
25. Mobilization for a Cat 320C excavator will be charged for regrading of Roads, Drill Sites only.	
26. If any Trenches or Cross Country travel is included a D6 dozer will be mobilized also.	
27. All projects that propose drilling will require a minimum Drill Holes Open abandonment cost.	
28. If a drill hole will not penetrate the static water level it may be abandoned as an Open Hole - Dry.	
29. If a drill hole is drilled deeper than the static water level it is considered a wet hole and must be abandoned as an Open Hole - Wet.	
30. Mobilization for Drill Holes - Open for Open Hole - Wet will include one drill rig plus crew and support equipment.	
31. Mobilization for Drill Holes - Open for Open Hole - Dry will include one backhoe and operator, and one general laborer.	

Nevada BLM, April 8, 2008

June 11, 2008 SRCE-based Reclamation Cost Model With Calculators									
FY 2007 Model Version 3.1									
Kobeh Valley Water Well Exploration Drilling Notice - Kobeh Central A - NVN-081811 Amendment (Actual Acreage)									
For Notice-Level Exploration									
Linear Feet of Road On a Side Slope	Linear Feet	Manpower	Equipment	Materials	Cost/Linear Foot	Manpower	Equipment	Materials	Cost/Linear Foot
<30%	0	\$0.11	\$0.13	\$0.00	\$0.24	\$0.29	\$0.36	\$0.00	\$0.65
>30%	0								
Drill Sites and Sumps	Number								
Drill Sites < 30% slopes	12	\$34.40	\$43.20	\$0.00	\$77.60	\$110.20	\$138.40	\$0.00	\$248.60
Drill Sites > 30% slopes	0	\$4.94	\$2.03	\$0.00	\$6.97	\$22.00	\$26.80	\$0.00	\$48.80
Drill Sites Cross Country	0								
Sumps	12								
Recontouring Cost <30%		\$413							
Recontouring Cost >30%		\$0							
Recontouring Cost		\$0							
Ripping Cost		\$264							
Recontouring Cost									
Trenches	Linear Feet								
Cross Country Travel	0	\$0.95	\$1.73	\$0.00	\$2.67	\$0.03	\$0.01	\$0.00	\$0.04
	2,600								
Total Disturbance	Slope Acres								
	1.30								
150 miles Mobilization									
150 miles Mobilization									
Drill Holes Open	#/Feet								
Feet of Open Holes - Wet	18770	\$0.42	\$1.49	\$0.36	\$2.50	\$356.17	\$418.11	\$0.04	\$774.28
Feet of Open Holes - Dry		\$0.48	\$0.23	\$0.04	\$0.75	\$563.21	\$777.77	\$0.00	\$1,340.98
Feet of Casing to Pull	18770	\$1.65	\$5.39	\$0.00	\$7.03				
150 miles Mobilization									
150 miles Mobilization									
Disturbance Type	Total Acres								
Roads	0.00								
Drill Sites	0.73								
Sumps	0.20								
Trenches	0.00								
Cross Country	0.36								
Total Notice acres	1.29								
Plugging Cost - Wet		\$7,921							
Plugging Cost - Dry		\$0							
Pulling Casing		\$30,914							
Mobilization Cost - Wet		\$1,412							
Mobilization Cost - Dry		\$1,412.16	\$2,510.52		\$3,922.68				
Total Linear Feet			\$168.65		\$481.55				
Drill Holes Open									
Feet of Open Holes - Wet									
Feet of Open Holes - Dry									
Feet of Casing to Pull									
150 miles Mobilization									
150 miles Mobilization									
Disturbance Type	Total Acres								
Roads	0.00								
Drill Sites	0.73								
Sumps	0.20								
Trenches	0.00								
Cross Country	0.36								
Total Notice acres	1.29								
Insurance									
Bond*									
Contractor Profit									
Contract Administration									
Indirect Costs									
1.5% Labor Cost									
3% Total Reclamation Cost									
10% Total Reclamation Cost									
10% Total Reclamation Cost									
21% of Contract Administration Cost									
Total Labor									
Total Reclamation Cost									
Total Administration Cost									
Cost per acre									
Financial Guarantee									
Amount									

green cells with blue font is for user input
yellow cells are unit costs

* Bond required only if total reclamation cost > \$100,000

pad construction and reseeded.

Water from the pumping test and well development will be spread over sufficient area to prevent erosion and formation of gullies. The water is expected to infiltrate a short distance from the point of discharge.

After the wells are drilled, pump tests will be conducted for about 72 hours at a rate of about 450 gpm for the three test wells. Drawdown data will be collected during the Test Well Pump test. The discharged water will be piped some distance from the well into a natural drainage. Water quality samples will be collected during the pumping tests.

Upon completion of the pump testing, a riser pipe with a locking well cap will be installed. The wells will remain and used to monitor drawdown in the proposed production wells. Should the production wells be located outside the area of influence of the monitor wells, the monitor wells will be closed according to NAC 534.

Water for the drilled rigs will be pumped from one of two nearby wells: KCT#1 (NDWR Well Log 24638; 16-inch diameter) and well KCE#2 (NDWR Well Log 24287; 6-inch diameter). KCE#2 is about 50 feet south of KCT#1. Both of these wells are located on public land with existing access roads. A "Request For A Waiver For Temporary Use Of Ground Water For Minerals Exploration" to NDWR to get authorization to use waters of the state will be submitted to the State Engineer.

Access will be via the existing Diamond Mine Road that connects with U.S. Route 50 about five miles west of the State Route 278 and U.S. Route 50 intersection and the existing Roberts Mountain Road that connects with U.S. Route 50 about eight miles west of the State Route 278 and U.S. Route 50 intersection. Existing roads within the Project Area will be used to the greatest extent possible. Only routine maintenance and minor repairs will be performed on the existing roads. See Figure 2.

To create the road to Test Well #5 growth media will be pushed in to berm along the side of the road. Sediment will be controlled at each drilling site as needed. Occasionally trees may need to be removed to allow access by the equipment.

2.3 Approximate Date Operation Will Begin and End

The proposed project will begin in April 2006 and be completed by December 2007.

2.4 Standard Operating Procedures

2.4.1 Cultural Resources

A Class III cultural resources survey was performed in portions of the Project Area. As needed, Class II surveys will be conducted on travel routes and areas of proposed activity that have not been previously surveyed. Because the exact locations of drill sites and cross-country travel routes will be dependent on geological conditions and the results of ongoing drilling, IGMI cannot predict precisely where disturbance will occur. IGMI will contract with a BLM-permitted archeologist prior to any surface disturbance to perform a Class III cultural resources study on the cross-country travel routes, constructed/improved roads, drill pads, and trenches. If a cultural resources site is located, the disturbance will be moved to avoid the site. The results of each survey will be submitted to BLM.

Avoidance is the IGMI-preferred treatment for preventing effects to historic properties [a historic property is any prehistoric or historic site eligible to the National Register of Historic Places (NRHP)] or unevaluated cultural resources.

If avoidance is not possible or is not adequate to prevent adverse effects, IGMI will undertake data recovery at the affected historic properties in accordance with the Memorandum of Understanding between BLM, Nevada State Historic Preservation Office (SHPO), and the Advisory Council on Historic Preservation. Development of a treatment plan, data recovery, archeological documentation, and report preparation will be based on the "Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation," 48 CFR 44716 (September 29, 1983), as amended or replaced. If an unevaluated site cannot be avoided, additional information will be gathered and the site will be evaluated. If the site does not meet eligibility criteria as defined by the Nevada SHPO, no further cultural work will be performed. If the site meets eligibility criteria, a data recovery plan or appropriate mitigation will be completed under the Programmatic Agreement. Once data recovery has been completed at a historic property, the BLM will issue a Notice to Proceed for work at that location.

2.4.2 Pony Express Trail

The Pony Express Trail, a National Historic Trail, is not located within the Project Area. However, staff and contractors will be explicitly warned against travel or any other use on the trail.

2.4.3 Surface and Ground Water

Drilling activities will not occur within 100 feet of seep, springs, or streams. Drill holes will be closed in accordance with NAC 534 to prevent impacts to groundwater.

2.4.4 Solid Waste

All project-related refuse will be hauled from the site for disposal on a regular basis. No refuse will be disposed on-site. In the event hazardous or regulated material such as diesel fuel is spilled, the area will be cleaned and the Nevada Department of Environmental Protection (NDEP) will be notified as per NDEP regulations.

2.4.5 Air Quality

Project-related traffic will observe prudent speed limits to enhance public safety, protect wildlife and livestock, and minimize fugitive dust.

2.4.6 Erosion and Sediment Control

Maintenance of the exploration roads includes minor seasonal regrading and re-establishment of water bars when necessary. The effectiveness of erosion control measures will be monitored in the spring and fall.

2.4.7 Fire Protection

All mobile equipment will be properly muffled and equipped with suitable fire suppression equipment, such as fire extinguishers and hand tools.

2.4.8 Wildlife

Land clearing and surface disturbance would be timed to prevent destruction of active bird nests or young of birds during the avian breeding season (May 1 to July 15, annually in accordance with the Battle Mountain Field Office policies) to comply with the Migratory Bird Treaty Act (MBTA). If surface disturbing activities are unavoidable, IGMI would have a qualified biologist survey areas proposed for disturbance for the presence of active nests immediately prior to the disturbance.

If active nests are located, or if other evidence of nesting is observed (mating pairs, territorial defense, carrying nesting material, transporting of food), the area would be avoided to prevent destruction or disturbance of nests until the birds are no longer present. Avian surveys are proposed to be conducted only during the avian breeding season and immediately prior to IGMI conducting activities that result in disturbance. After such surveys are performed, and disturbance created (i.e., road construction and drill pad development), IGMI would not conduct any additional disturbance during the avian breeding season without first conducting another avian survey. After July 15, activities would continue; no further avian surveys, in compliance with MBTA, would be conducted until the next year.

Two sage grouse leks have been identified in T20N, R51E, sections 10 and 11. These leks are over one mile from the access roads that will be used.

2.4.9 Wild Horses

Personnel onsite will use caution during the March through June foaling season; at no times will wild horses be chased or harassed. IGMI will keep a record of observations of wild horse movements and locations. IGMI will forward information regarding water encountered during drilling to BLM for potential future mitigation.

2.4.10 Livestock

IGMI will inform employees and contractors to leave gates in the position found (open or closed) and to not harass livestock.

2.4.11 Employee Training

IGMI will train employees, contractors, and other related personnel as to the environmental responsibilities required under this notice.

3 Reclamation Plan

Appendix B contains a description of the proposed reclamation activities and the projected cost.

3.1 Proposed Activities for Reclamation

3.1.1 Re-contouring, Seedbed Preparation, and Seeding

IGMI will minimize disturbance by utilizing existing roads and trails and cross-country travel routes where feasible. Newly constructed roads and pads will be reclaimed by restoring the disturbance to approximate its original topography. Existing roads will remain in place. Any culverts installed during the project will be removed, and the sumps will be backfilled. Drilling fluid will be collected in sumps located within the perimeter of the pad footprint. After drying, the sumps will be covered with soil salvaged from pad construction and reseeded.

Scarifying compacted cross-country travel routes to the extent practical will be the primary means by which seedbeds will be prepared. Sidecast growth media will be replaced and the surface will be scarified prior to seeding. Efforts will be taken to scarify only those portions of the road which are compacted and require seeding (e.g., tire tracks) while minimizing disturbance to the established vegetation.

Disturbance and cross-country travel routes will be seeded during reclamation. Reclamation will generally be accomplished with native seeds only but may include some fast growing non-native species. The native species will be representative of the indigenous species present in the adjacent habitat. The reclamation plant list proposed for the project area is the "User Mix" from the Nevada Reclamation Cost Estimation model. This mix may vary depending on seed availability.

Seeding procedures will be dependent upon site characteristics. IGMI will use a hand-broadcast seeder to apply the mix. Seeding will occur in late fall or early spring to ensure a greater chance of revegetation success. Other measures that will be taken to prevent undue degradation include road maintenance and sediment control.

IGMI will attempt to reduce the spread of noxious weeds on lands disturbed by the proposed project by avoiding travel, whenever possible, through areas infested by noxious weeds to prevent windblown and mechanical transport of seed sources caused by exploration activities.

Should IGMI decide not to proceed with additional exploration or production at the site, the post-exploration goal will be to restore lands for use as mineral exploration, livestock grazing, wildlife habitat, and dispersed recreation. It is anticipated that available forage will be enhanced by seeding with forage species.

3.1.2 Measures Used to Minimize Loading of Sediment to Surface Waters

IGMI will use existing roads, trails and cross-country travel routes whenever possible to minimize the disturbance created during access to, and from the drill site locations. Proposed environmental protection measures as detailed in Section 2, will minimize impacts to surface waters. Constructed sediment control features will be regraded following reclamation to reestablish, as nearly as possible, the natural drainage patterns. Silt fences will be used to contain

sediment on reclaimed sites immediately adjacent to drainages as needed.

3.1.3 Schedule for the Project and Reclamation

Drilling activities will commence upon approval of this notice and are expected to be completed during the fourth quarter of 2007 depending on weather conditions. Upon completion of drilling activities and based upon future activities, earthwork will be completed on areas no longer required in the exploration program. Cross-country travel routes will be reclaimed as soon as practical after the cessation of drilling activities in the area. Reseeding will occur in the late fall or early spring months.

Because development of Mount Hope Mine is planned, the disturbance associated with this Notice may be transferred to a mine plan of operations and the reclamation costs included in the mine reclamation bond. In this event, reclamation will be undertaken in conjunction with mine reclamation.

3.1.4 Drill Hole Plugging Procedures

Water well holes subject to Nevada Division of Water Resources regulations will be abandoned in accordance with applicable rules and regulations (NAC 534). Wells KCT-1 and KCE2 will remain.

3.1.5 Monitoring

IGMI will monitor the disturbance for three years after the completion of drilling activities.

3.1.6 Measures to be taken during Extended Periods of Non-Operation

Areas no longer needed for future drilling activities will be reclaimed as soon as possible. Interim stabilization measures will be taken as necessary at these sites.

4 Reclamation Costs

The proposed reclamation costs are included in Appendix B and are based on the 2005 Nevada Standard Reclamation Bond Calculation model (Beta 3b).

4.1 Narrative Description of Proposed Reclamation Activities

A narrative description of earthwork and revegetation reclamation activities can be found in Section 3 above. Structures will not be built in the Project Area. Maintenance, mobilization/demobilization, and agency administrative/management costs are accounted for in the Reclamation Bond Checklist, Appendix B.

4.2 Reclamation Cost Estimate

See the reclamation cost estimate in Appendix A.

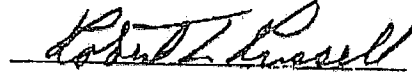
*Mount Hope Mine Project
Notice for Baseline Water Supply Drilling Activities*

9

5 Reclamation Responsibility

"Reclamation of all areas disturbed will be completed to the standards described in 3809.1-3(d) of this title and that reasonable measures will be taken to prevent unnecessary and undue degradation of the federal lands during operations."

Signature:



Date:

7 April 06

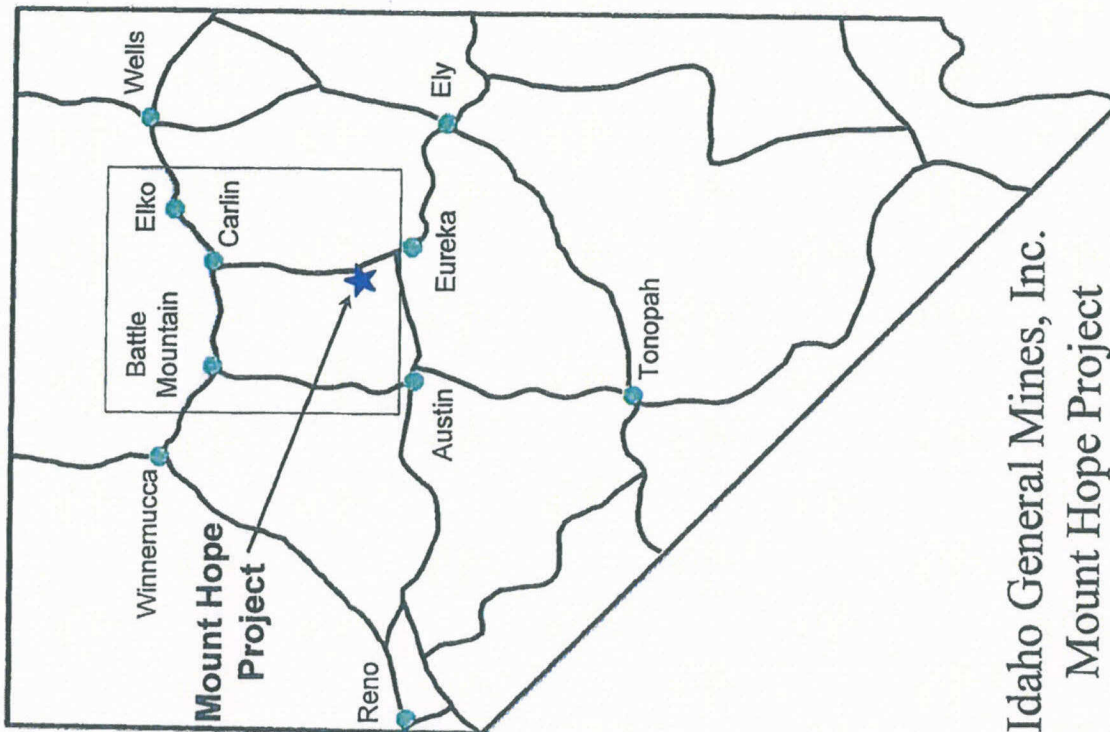
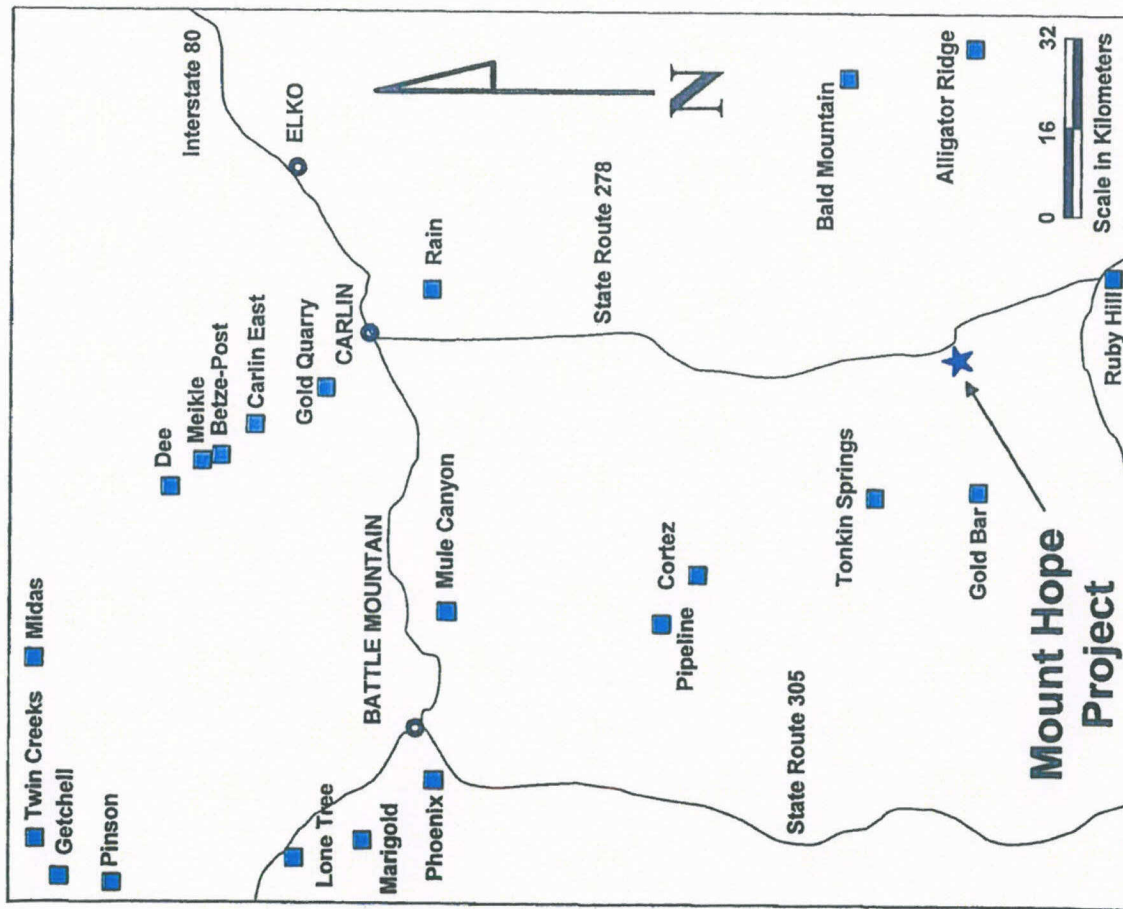
Title:

President & CEO
Idaho General Mines, Inc.

4/3/2006

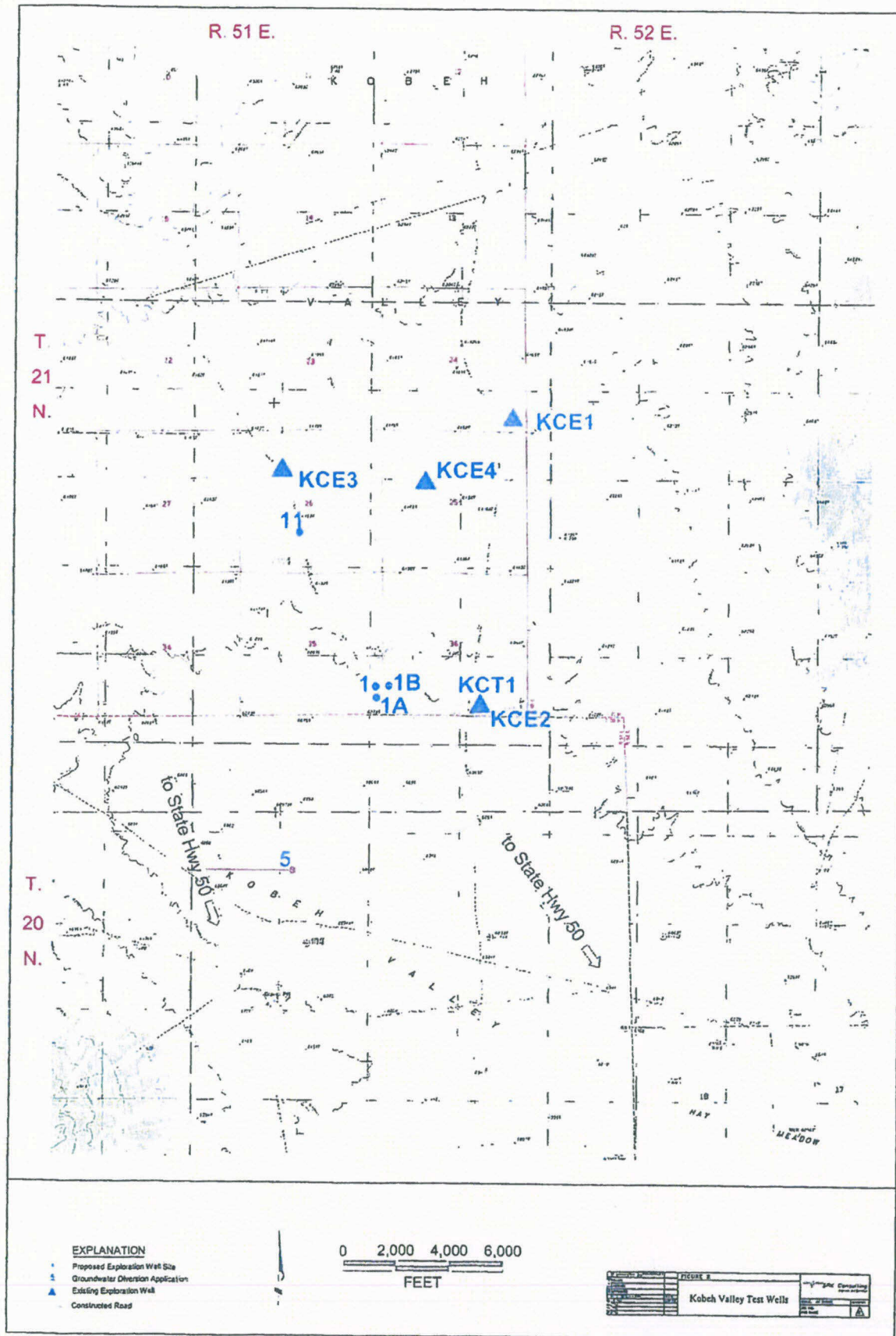
SRK Consulting (U.S.), Inc.

FIGURES



Idaho General Mines, Inc.
Mount Hope Project

Figure 1



APPENDIX A

Bond Cost Estimate

STANDARDIZED RECLAMATION COST ESTIMATOR

Version 1.0

COST DATA FILE INFORMATION	
File Name:	<u>Water Supply_040306_1_0.xls</u>
Cost Data File:	<u>CostData STD NV2005.xls</u>
Cost Data Date:	<u>December 1, 2005</u>
Cost Data Basis:	<u>Standardized Data</u>
Author/Source:	<u>Nevada Division of Environmental Protection (NDEP) & NV BLM</u>

PROJECT INFORMATION	
Project Name:	<u>IGMI - Water Supply Exploration</u>
Date of Submittal:	<u>April 3, 2006</u>
Select One:	☒ Notice or Sm Exploration Plan ☐ Lg Exploration Plan ☐ Mine Plan of Operations
Select One:	☒ Private Land ☒ Public or Public/Private
Region:	<u>Northern Nevada</u>
Region Description:	Churchill, Douglas, Elko, Esmeralda, Eureka, Humboldt, Lander, Lyon, Mineral, Pershing, Storey, Washoe, and N 1/2 White Pine Counties

This version has been validated and verified by the NDEP and BLM for use in Nevada for a six-month trial period ending on or about September 30, 2006

NEVADA STANDARDIZED RECLAMATION BOND CALCULATION - SUMMARY

Project Name: IGMI - Water Supply Exploration

Project Date: April 3, 2006

Model Version: Version 1.0

File Name: Water Supply_040306_1_0.xls

A. Earthwork/Recontouring				
	Labor ⁽¹⁾	Equipment ⁽²⁾	Materials	Total
Exploration	\$0	\$0	\$0	\$0
Exploration Roads & Drill Pads	\$120	\$118	\$0	\$238
Roads	\$0	\$0	\$0	\$0
Drill Hole Abandonment	\$4,063	\$8,034	\$3,211	\$15,308
Pits	\$0	\$0	\$0	\$0
Underground Openings	\$0	\$0	\$0	\$0
Process Ponds	\$0	\$0	\$0	\$0
Heaps	\$0	\$0	\$0	\$0
Waste Rock Dumps	\$0	\$0	\$0	\$0
Landfills	\$0	\$0	\$0	\$0
Tailings	\$0	\$0	\$0	\$0
Foundation & Buildings Areas	\$0	\$0	\$0	\$0
Yards, Etc.	\$0	\$0	\$0	\$0
Drainage & Sediment Control	\$0	\$0	\$0	\$0
Other**	\$0	\$0	\$0	\$0
Subtotal	\$4,183	\$8,152	\$3,211	\$15,546
Mobilization/Demobilization				\$0
Subtotal "A"	\$4,183	\$8,152	\$3,211	\$15,546
B. Revegetation/Stabilization				
	Labor ⁽¹⁾	Equipment ⁽²⁾	Materials	Total
Exploration	\$0	\$0	\$0	\$0
Exploration Roads & Drill Pads	\$202	\$171	\$324	\$697
Roads				\$0
Drill Hole Abandonment				N/A
Pits				N/A
Underground Openings				N/A
Process Ponds				\$0
Heaps				\$0
Waste Rock Dumps				\$0
Landfills				\$0
Tailings				\$0
Foundation & Buildings Areas				\$0
Yards, Etc.				\$0
Drainage & Sediment Control				\$0
Other**				\$0
Subtotal "B"	\$202	\$171	\$324	\$697
C. Detoxification/Water Treatment/Disposal of Wastes**				
	Labor ⁽¹⁾	Equipment ⁽²⁾	Materials	Total
Interim Fluid Management				\$0
Closure Plan Development				\$0
Process Ponds/Sludge				\$0
Heaps				\$0
Dumps (Waste & Landfill)				\$0
Tailings				\$0
Surplus Water Disposal				\$0
Monitoring				\$0
Other**				\$0
Subtotal "C"	\$0	\$0	\$0	\$0
D. Structure, Equipment and Facility Removal				
	Labor ⁽¹⁾	Equipment ⁽²⁾	Materials	Total
Foundation & Buildings Areas	\$0	\$0	\$0	\$0
Other Demolition	\$0	\$0	\$0	\$0
Equipment Removal	\$0	\$0	\$0	\$0
Fence Removal				\$0
Fence Installation				\$0
Pipe & Culvert Removal				\$0
Powerline Removal				\$0
Transformer Removal				\$0
Rip-rap, rock lining, gabions				\$0
Other Misc. Costs				\$0
Other**				\$0
Subtotal "D"	\$0	\$0	\$0	\$0
E. Monitoring				
	Labor ⁽¹⁾	Equipment ⁽²⁾	Materials	Total
Reclamation Monitoring and Maintenance	\$3,617	\$269	\$30	\$3,916
Ground and Surface Water Monitoring				\$0
Subtotal "E"	\$3,617	\$269	\$30	\$3,916
F. Construction Management & Support				
	Labor	Equipment ⁽²⁾	Materials	Total
Construction Management	\$2,080	\$521	N/A	\$2,601
Road Maintenance			N/A	\$0
Other**				\$0
Subtotal "F"	\$2,080	\$521	\$0	\$2,601
G. Operational & Maintenance Costs				
	Labor ⁽¹⁾	Equipment ⁽²⁾	Materials ⁽³⁾	Total
Subtotal A through F	\$10,082	\$9,113	\$3,565	\$22,760

** Other Operator supplied costs - additional documentation required

NEVADA STANDARDIZED RECLAMATION BOND CALCULATION - SUMMARY

Project Name: IGMI - Water Supply Exploration

Project Date: April 3, 2006

Model Version: Version 1.0

File Name: Water Supply_040306_1_0.xls

Indirect Costs		Include?	Total
1. Engineering, Design and Construction (ED&C) Plan (7)			N/A
2. Contingency (8)			N/A
3. Insurance (9)	\$151		\$151
4. Bond (10)			
5. Contractor Profit (11)			\$2,278
6. Contract Administration (12)			\$2,278
7. BLM Indirect Cost (13)			\$478
Subtotal Add-On Costs			\$5,181
Grand Total			\$27,941

Administrative Cost Rates (%)		Cost Ranges for Indirect Cost Percentages			
		<=	<	>	
1. Engineering, Design and Construction (ED&C) Plan (7)	Variable Rate	\$1,000,000	\$25,000,000	\$25,000,000	Notice Level
		8%	8%	4%	0%
2. Contingency (8)	Variable Rate	\$500,000	\$5,000,000	\$50,000,000	Notice Level
		10%	8%	4%	0%
3. Insurance (9)		1.5% of labor costs			
4. Bond (10)		3.0% of the O&M costs if O&M costs are >\$100,000			
5. Contractor Profit (11)		10% of the O&M costs			
6. Contract Administration (12)	Variable Rate	\$1,000,000	\$25,000,000	\$25,000,000	
		10%	8%	6%	
7. BLM Indirect Cost (13)		21% of Contract Administration			

RECLAMATION COST ESTIMATION SUMMARY SHEET FOOTNOTES

- Federal construction contracts require Davis-Bacon wage rates for contracts over \$2,000. Wage rate estimates may include base pay, payroll loading, overhead and profit. To avoid double counting of any of the identified administrative costs the operator must itemize the components of their labor cost estimates or provide BLM with a signed statement, under penalty of USC 1001, that identifies what specific administrative costs are included in the quoted hourly rate.
- The reclamation cost estimate must include the estimated plugging cost of at least one drill hole for each active drill rig in the project area. Where the submitted Notice or approved Plan of Operations calls for drill holes to be plugged, but doesn't specifically require the drill holes be plugged before the drill rig has been moved from the drill pad, the reclamation cost estimate must include the plugging cost for those drill holes. For all drill holes and wells scheduled to be left open, the estimated plugging cost must be included in the reclamation cost estimate. Where the approved Plan of Operations proposes immediate mining through an area where the drilling is to occur, and the cost of the post-mining reclamation is included in the reclamation cost estimate, the cost estimate does not need to include the plugging costs for those drill holes.
- Miscellaneous items should be itemized on accompanying worksheets.
- Fluid management should be calculated only when mineral processing activities are involved. Fluid management represents the costs of maintaining proper fluid management to prevent overflow of solution ponds through premature cessation or abandonment of operations. Calculate a minimum six month direct cost estimate which includes power, supplies, equipment, labor and maintenance.
- Handling of hazardous materials includes the cost of decontaminating, neutralizing, disposing, treating and/or isolating all hazardous materials used, produced, or stored on the site.
- Any mitigation measures required in the Plan of Operations must be included in the reclamation cost estimate. Mitigation may include measures to avoid, minimize, rectify and reduce or eliminate the impact, or compensate for the impact.
- Engineering, design and construction (ED&C) plans are often necessary to provide details on the reclamation needed to contract for the required work. To estimate the cost to develop an ED&C plan use 4-8% of the O&M cost. Calculate the ED&C cost as a percentage of the O&M cost as follows: up to and including \$1 million, use 8%; over \$1 million to \$25 million, use 6%; and over \$25 million, use 4%. Inclusion of a line item for the development of an ED&C plan may not be necessary for small operations, such as notice-level exploration. With small, uncomplicated reclamation efforts contracting may be able to proceed without developing an ED&C plan. [ED&C is automatically eliminated if "Notice" is selected on the Property Information Sheet]
- A contingency cost is included in the reclamation cost estimation to cover unforeseen cost elements. Calculate the contingency cost as a percentage of the O&M cost as follows: up to and including \$500,000, use 10%; over \$500,000 to \$5 million, use 8%; over \$5 million to \$50 million, use 6%; and greater than \$50 million, use 4%. As with the ED&C cost, inclusion of a contingency cost may not be necessary for small operations, such as notice-level exploration.
- Insurance premiums are calculated at 1.5% of the total labor costs. Enter the premium amount if liability insurance is not included in the itemized unit costs.
- Federal construction contracts exceeding \$100,000 require both a performance and a payment bond (Miller Act, 40 USC 270et seq.). Each bond premium is figured at 1.5% of the O&M cost. Enter the sum of both premium costs on this line.
- For Federal construction contracts, use 10% of estimated O&M cost for the contractor's profit.
- To estimate the contract administration cost, use 8 to 10% of the operational and maintenance (O&M) cost. Calculate the contract administration cost as a percentage of the O&M cost as follows: up to and including \$1 million, use 10%; over \$1 million to \$25 million, use 8%; and greater than \$25 million use 6%.
- BLM's indirect cost rate is 21% of BLM's contract administration costs.

Bond Calculation Expl. Roads & Pads

Project Name: IGMI - Water Supply Exploration- Notice of Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Data Cost File: CostData STD NV2005.xls

Exploration Roads & Pads - Cost Summary				
	Labor	Equipment	Materials	Totals
Grading Costs	\$120	\$118	N/A	\$238
Cover Placement Cost			N/A	\$0
Ripping Cost			N/A	\$0
Subsential Earthworks	\$120	\$118		\$238
Revegetation Cost	\$202	\$171	\$324	\$697
TOTALS	\$322	\$289	\$324	\$935

Color Code Key	Use Input - Direct Input	Direct Input
	Use Input - Pull Down List	Pull Down Selection
	Program Constant (Can override)	Alternate Input
	Program Calculated Value	Locked Cell - Formula or Reference

Bond Calculation Expl. Roads & Pads

Project Name: IGMW - Water Supply Exploration- Notice of Exploration
Date of Submittal: April 3, 2006
File Name: Water Supply_040306_1_0.xls
Model Version: Version 1.0
Data Cost File: CostData STD NV2005.xls

Exploration Roads & Pads - User Input									
You must fill in ALL green cells and relevant blue cells in this section for each road									
Physical Characteristics									
Physical (1)									
Description (required)	Original Slope % grade	Ungraded Slope -HIV	Cut Slope degrees	Road + Drill Pad Length ft	Road Width ft	Number of Drill Pads	Drill Pad Width ft	Drill Pad Length ft	Slope Replacement Percent %
1 Test Wells #1, 5, 11	0	1	0.5	2,800	12	3	100	200	
2 Observation Wells 1a and 1b	0	1	0.1	200	12	2	100	100	
User Overrides									
Regrate Volume (if calculated elsewhere) cy									
Disturbed Area (if calculated elsewhere) acres									
Growth Media									
Growth Media Thickness in									
Distance to Growth Media Stockpile ft									

(1) All Physical parameters must be input even if manual overrides for volume or area are used

Bond Calculation Monitoring

Project Name: IGM - Water Supply Exploration- Notice or Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Data Cost File: CostData STD NV2005.xls

Reclamation Monitoring & Maintenance - Cost Summary				
	Labor	Equipment	Materials	Totals
Reclamation Maintenance	\$17	\$14	\$30	\$61
Reclamation Monitoring	\$3,600	\$255	N/A	\$3,855
Subtotal Reclamation Monitoring	\$3,617	\$269	\$30	\$3,916
Water Quality Monitoring				
TOTAL MONITORING	\$3,617	\$269	\$30	\$3,916

Reclamation Maintenance								
Description	Total Acres acres	% Acres Requiring Reseeding	Seed Mix (select)	Area Requiring Reseeding acres	Seed (\$/Acre) \$/acre	Labor (\$/Acre) \$/acre	Equipment (\$/Acre) \$/acre	Totals \$
Reseeding	3	10%	Usor Mix 1	0	\$115.57	\$65.00	\$55.00	
Labor								\$17
Equipment								\$14
Materials								\$30
Cost/Acre								\$235.57
Subtotal								\$61
Reclamation Monitoring								
Description	Hrs/Day	Days/Year	Number of Years	Rate (\$/hr)				
Field Work								
Field Geologist/Engineer				\$75				
Range Scientist	8	1	3	\$75				\$1,800
Reporting								
Field Geologist/Engineer	8	1	3	\$75				\$1,800
Range Scientist				\$75				
Subtotal								\$3,600
Travel								
	Miles/Trip miles	Trips/Year	Years	Truck Cost \$/hr				
Travel	210	1	3	\$0.405				\$255
Subtotal								\$255
Total Reclamation Monitoring								\$3,855
Notes								

Bond Calculation Monitoring

Project Name: IGMI - Water Supply Exploration- Notice or Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Data Cost File: CostData STD NV2005.xls

Ground & Surface Water Monitoring								
Field work								
Description	No. of units	Hrs/Day	Days/event	Events/Year	No. Years	Man-hours/year	Rate (\$/hr)	Cost \$
Field Tech/Sampler								
Pickup Truck								
Pump (purchased)								
Subtotal Field Work								
Sample Analysis								
Description	Samples #	Events/Year	No. Years	Analysis Cost \$/sample	Supplies \$/sample	Lab Cost \$	Material Cost \$	Cost \$
Subtotal Sample Analysis								
Reporting								
Description	Hrs/Event	Rate (\$/hr)	Events/Year	Man-hours/year	No. Years			Cost \$
Field Geologist/Engineer								
Subtotal Reporting								
Total Water Quality Monitoring								
Notes:								

Bond Calculation Expl. Roads & Pads

Project Name: IGMI - Water Supply Exploration- Notice of Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Data Cost File: CostData STD NV2005.xls

Exploration Roads & Pads - User Input (cont.)											
You must fill in ALL green cells and relevant blue cells in this section for each road											
Description (required)	Grading				Cover			Revegetation			
	Regrade Material (select)	Cut Material Type (select)	Recontouring Equipment Fleet ^(*) (select)	Cover Material Type (select)	Placement Equipment Fleet (select)	Seed Mix (select)	Mulch (select)	Fertilizer (select)	Scarifying/ Ripping ^(*) (select)	Ripping Fleet (select)	
1 Text Wells #1, 5, 11	1,2	Topsoil	Sm Excavator			User Mix 1			No		
2 Observation Wells 1a and 1b	1,2	Topsoil	Sm Excavator			User Mix 1			No		

(2) If original slope >30% "optimize" option will only select among the excavator options

Bond Calculation Expl. Roads & Pads

Project Name: IGMI - Water Supply Exploration- Notice of Exploration
Date of Submittal: April 3, 2006
File Name: Water Supply_040306_1_0.xls
Model Version: Version 1.0
Data Cost File: CostData STD NV2005.xls

Exploration Roads & Pads - Calculations

Regrading Volume and Footprint Volume

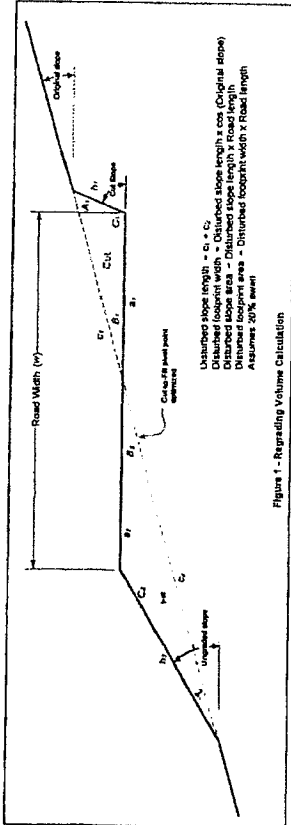


Figure 1 - Regrading Volume Calculation

Will not allow for slopes greater than 30%
For dozer regrading push distance = road width
Assumes dozer push is uphill
Assumes minimum push distance of 100 ft

Ripping/Scarifying Calculations

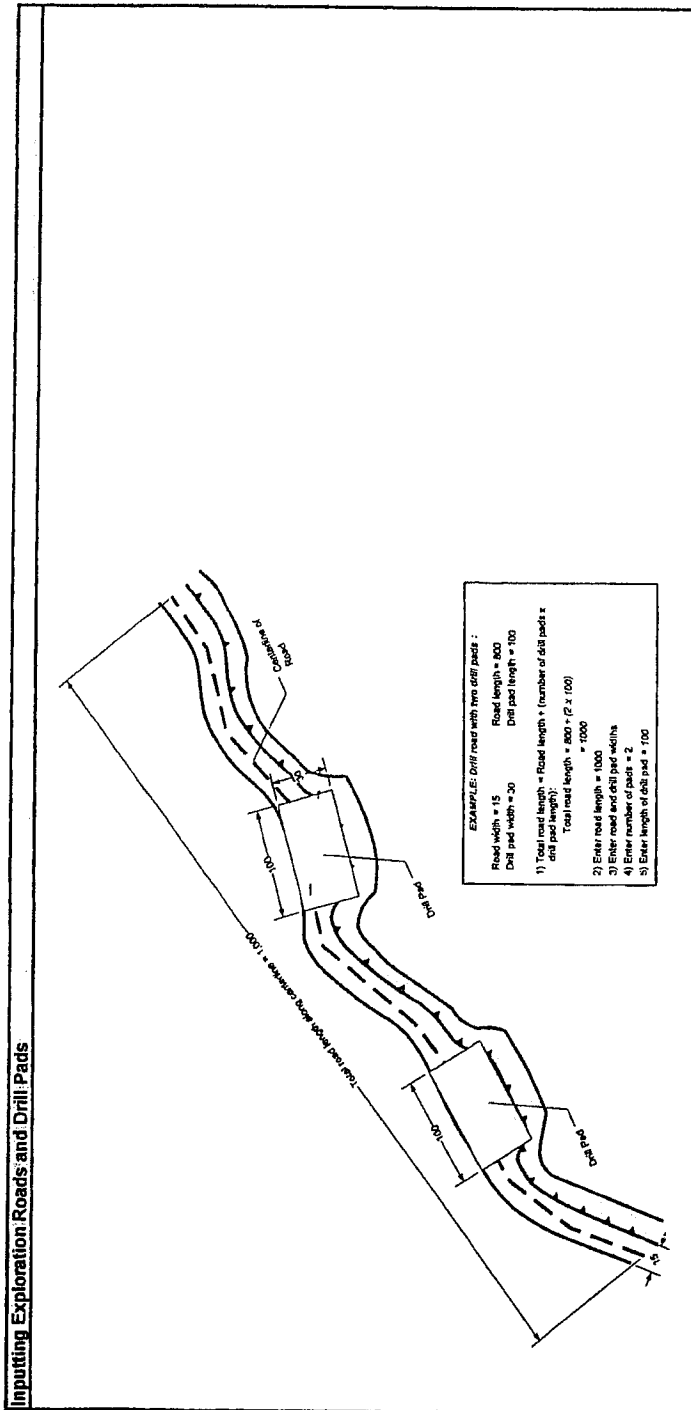
Minimum 1 hr ripping/scarifying time per area
Number of passes = Final slope length ÷ Grader width
Travel distance = Number of passes x Road length
Total hours = (Travel distance ÷ Grader productivity) ÷ (Number of passes x Grader maneuver time)
For dozer regrading assumes push distance = 3 x road width

Revegetation Calculations

Minimum of 1 acre crew time per area

Bond Calculation Expl. Roads & Pads

Project Name: IGHM - Water Supply Exploration- Notice or Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Data Cost File: CostData STD NV2005.xls



Bond Calculation Expl. Roads & Pads

Project Name: IGMI - Water Supply Exploration- Notice of Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Data Cost File: CostData STD NV2005.xls

Exploration Roads & Pads - Regrading Costs										
	Description (required)	Total Road Length ft	Total Drill Pad Length ft	Regrading Volume cy	Recontouring Fleet	Fleet Productivity cy/hr	Total Fleet Hours hr	Total Labor Cost \$	Total Equipment Cost \$	Total Regrading Cost \$
1	Test Wells #7, 8, 11	2,200	600	34	5m Excavator	228	1.0	\$60	\$59	\$119
2	Observation Wells 1a and 1b	0	200	15	5m Excavator	229	1.0	\$60	\$59	\$119
		2,200	800	49			2.0	\$120	\$118	\$238

Bond Calculation Expl. Roads & Pads

Project Name: IGMI - Water Supply Exploration- Notice of Exploration
Date of Submittal: April 3, 2006
File Name: Water Supply_040306_1_0.xls
Model Version: Version 1.0
Data Cost File: CostData STD NV2005.xls

Exploration Roads & Pads - Growth Media Costs									
	Description (required)	Growth Media Volume cy	Growth Media Replacement Fleet	Fleet Productivity BCY/hr	Number of Trucks/ Scrapers	Total Fleet Hours	Total Labor Cost \$	Total Equipment Cost \$	Total Topsoiling Cost \$
1	Test Wells #1, 5, 11								
2	Observation Wells 1a and 1b								

Bond Calculation Expl. Roads & Pads

Project Name: GMI - Water Supply Exploration- Notice of Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Data Cost File: CostData STD NV2005.xls

Exploration Roads & Pads - Scarifying/Revegetation Costs											
	Description (required)	Surface Area acres	Final Slope Length ft	Ripping Hours hrs	Ripping Equipment Cost \$	Ripping Labor Costs \$	Total Ripping Costs \$	Revegetation Labor Cost \$	Revegetation Equipment Cost \$	Revegetation Material Cost \$	Total Revegetation Cost \$
1	Test Wells #1 & 11	2.1	13					\$137	\$116	\$243	\$496
2	Observation Wells 1a and 1b	0.7	19					\$85	\$55	\$81	\$201
		3						\$202	\$171	\$324	\$697

Bond Calculation Well Abandonment

Project Name: IGRI - Water Supply Exploration- Notice of Exploration
Date of Submission: April 3, 2005
File Name: Water Supply_060306_1_0.xls
Model Version: Version 1.0
Data Cost File: CostData STD NY2005.xls

Drillhole Abandonment

PRODUCTION, DEWATERING AND INFILTRATION WELL CLOSURE

Well Description	Number of Holes	Casing Diam (in)	Average Depth (ft)	Depth to First Water (ft bgs)	Original Static Water Level (ft bgs)	Top of Casing (ft bgs)	Slotted Casing (ft bgs)	Depth to Pump (ft bgs)	Type of Pump (if any)	Depth to Pump (ft bgs)	Perforation Length (ft)	Casing Volume per foot (cf)	Gross Volume per hole (cy)	Cement Volume per hole (cy)	Test Media Volume per hole (cy)	Pump Rental Equip Cost (\$)	Pump Labor Cost (\$)	Pump Material Cost (\$)	Gross Equip Cost (\$)	Gross Equip Labor Cost (\$)	Gross Equip Material Cost (\$)	Pump Equip Cost (\$)	Pump Labor Cost (\$)	Pump Material Cost (\$)	Total Cost (\$)
1 Test MW 871	1	8	1500	40	40	80	80	40		30	30	0.35	37.1	0.3	0	\$255	\$553	\$553	\$1,049	\$1,880	\$592	\$2,482	\$592	\$592	\$4,665
2 Test MW 855	1	8	1500	40	40	80	80	40		30	30	0.35	37.1	0.3	0	\$255	\$553	\$553	\$1,049	\$1,880	\$592	\$2,482	\$592	\$592	\$4,665
3 Test MW 877	1	8	1500	40	40	80	80	40		30	30	0.35	37.1	0.3	0	\$255	\$553	\$553	\$1,049	\$1,880	\$592	\$2,482	\$592	\$592	\$4,665
																\$0	\$0	\$0	\$3,130	\$5,625	\$2,768	\$0	\$0	\$0	\$13,523

- (1) For previously abandoned holes enter "0" for depth
(2) Wells abandoned per Nevada Administrative Code (NAC 594.420). Hole grouted and perforated from bottom to 50 feet (15.24m) above the top of the screen, or first water encountered or original static water level, depending on vertical hydraulic gradient and well construction parameters. Inert media (cuttings or aluminum) used from top of grout to top seal.
(3) Perforation length = amount of blank casing below first water (for confined aquifers) or predicted recovered water table (unconfined aquifers) + 50 feet (15.24m) of blank casing above water table
(4) Assumes 50' (15.24m) sanitary seal at top of hole. Therefore, perforation and grouting only required to bottom of sanitary seal.
(5) Assumes 100% loss to formation for grout (abandonable) for screened and perforated sections.
(6) Assumes 10' (3m) top seal of cement in casing only. See note 4.
(7) Inert media (cuttings or aluminum) sourced locally.
(8) Inert media (cuttings or aluminum) sourced locally.
(9) See Productivity Sheet for hourly production Minimum 1 hr per hole.
(10) See Productivity Sheet for hourly production Minimum 1 hr per hole.

4/2/2006
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Bond Calculation
Well Abandonment

Project Name: GMI - Water Supply Exploration- Notice of Exploration
Date of Submittal: April 3, 2005
File Name: Water Supply_040306_1_0.xls
Model Version: Version 1.0
Data Cost File: CostData STD NV2005.xls

Well Abandonment				
		Labor	Equipment/Materials	Totals
Production, Dewatering, Infiltration Wells	\$3,553	\$7,284	\$3,139	\$13,976
Monitoring Wells	\$510	\$750	\$72	\$1,332
TOTALS	\$4,063	\$8,034	\$3,211	\$15,308

Color Code Key			
Red Input - Direct Input	Green Input	Direct Input	
Blue Input - Indirect Input	Yellow Input - Indirect Input	Put Down Selection	
Program Calculated (can overwrite)	Locked Cell - Formula or Reference		

Bond Calculation Well Abandonment

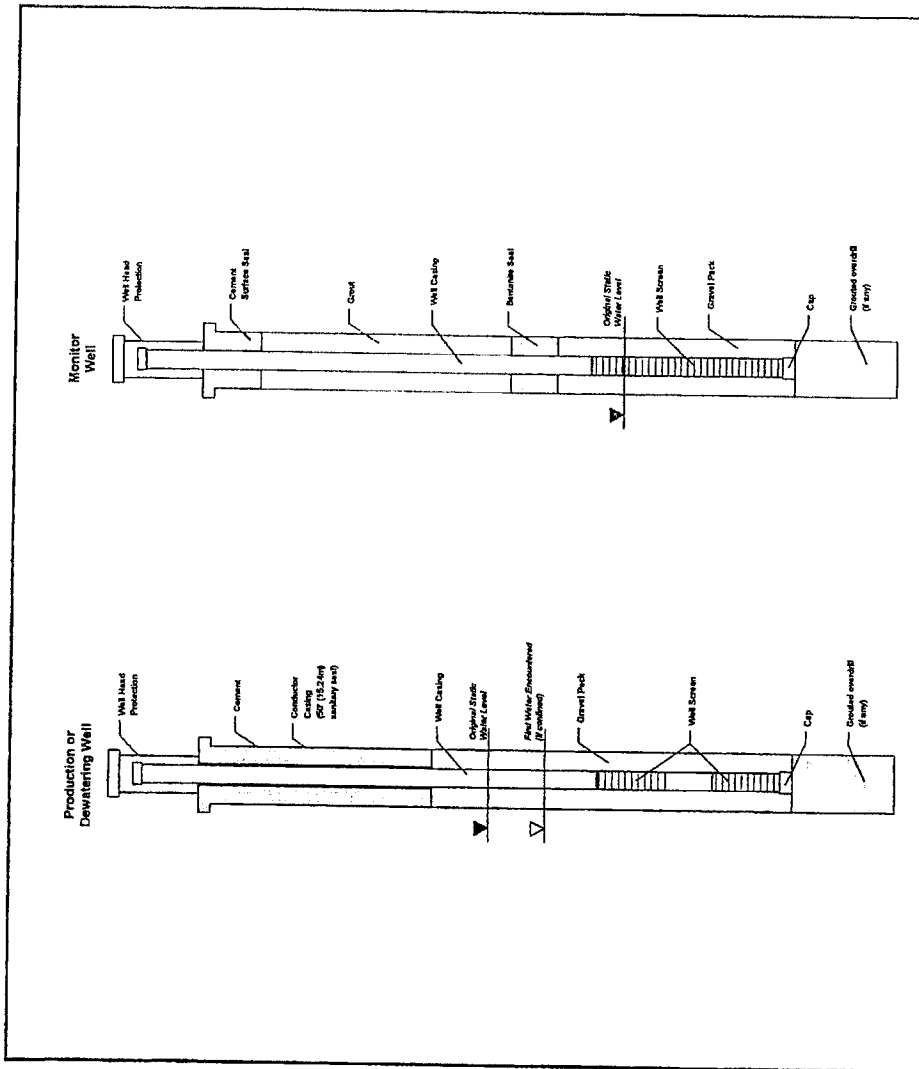
Project Name: GMI - Water Supply Exploration- Notice of Exploration
Date of Submittal: April 3, 2005
File Name: Water_Supply_040305_1_0.xls
Model Version: Version 1.0
Data Cost File: CostData STD NV2005.xls

MONITORING WELLS													
Well Description	Number of Holes	Casing Diam (in)	Average Depth (ft)	Top of Screen (ft)	Casing Vol per foot (cu ft)	Grout Volume (cu ft)	Cement Volume per Hole (cu ft)	Inert Backfill Volumes per Hole (cu ft)	Total Grouting Hours	Grout + Cement Material Cost (\$)	Grout + Cement Equip Cost (\$)	Inert Material Equip Cost (\$)	Total Cost (\$)
1 Observation Well #1A (new)	1	4	1500	1450	0.08	0.42	0.08	4.00	2	\$38	\$375	\$59	\$945
2 Observation Well #1B (new)	1	4	1500	1450	0.08	0.42	0.08	4.00	2	\$38	\$375	\$59	\$945
										\$72	\$750	\$118	\$1,780

Wells abandoned per MAC 534 420 with bentonite grout placed to 50 feet above the top of the screen (see note 1).
(1) Assumes top of screen is at or above the static water level (in unconfined aquifers) or the depth of first water encountered (in confined aquifers).
(2) Assumes 25% test to formation for grouting.
(3) Assuming only 100% grout efficiency.
(4) Assuming 100% grout efficiency.
(5) Assumes hole plugged with bentonite (cuttings or sludge) above grout as to cement surface plug.
(6) See Productivity Sheet for hourly production. Minimum 1 hr per hole + 1 hr per hole for more and stop.
(7) See Productivity Sheet for hourly production. Minimum 1 hr per hole.

Bond Calculation Well Abandonment

Project Name: GMI - Water Supply Exploration- Notice or Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Data Cost File: CostData STD NV2005.xls



Bond Calculation Constr. Mgmt

Project Name: IGMI - Water Supply Exploration- Notice or Exploration

Date of Submittal: April 3, 2006

File Name: Water Supply_040306_1_0.xls

Model Version: Version 1.0

Data Cost File: CostData STD NV2005.xls

Construction Management & Road Maintenance - Cost Summary				
	Labor	Equipment	Materials	Totals
Construction Management	\$2,080	\$521	N/A	\$2,601
Road Maintenance			N/A	
TOTAL CONSTRUCTION MANAGEMENT	\$2,080	\$521		\$2,601

Construction Management							
Description	Duration mo	Hours/ Month	Number of Supervisors	Supervisor Rate \$/hr	Labor Cost \$	Equipment Cost ⁽¹⁾ \$	Totals \$
Active Reclamation	0	160	1	\$52	\$2,080	\$521	\$2,601
Monitoring & Maintenance							
Total Project Management					\$2,080	\$521	\$2,601

Road Maintenance							
Description	Fleet Size (select)	Duration mo	Hours/ Month		Labor Cost \$	Equipment Cost \$	Totals \$
Active Reclamation							
Water Truck							
Grader							
Monitoring & Maintenance							
Water Truck							
Grader							
Total Project Maintenance							
Notes: 1) Supervisor equipment = pickup truck							

Project Name: IGMI - Water Supply Exploration- Notice or Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Cost Basis: Standardized Data
 Data Cost File: CostData STD NV2005.xls

Color Code Key	
User Input - Direct Input	Direct Input
User Input - Pull Down List	Pull Down Selection
Standardized Data (Imported from data file)	Standardized Data
Program Calculated Value	Locked Cell - Formula or Reference

ZONE ADJUSTMENTS

Project Region	Northern Nevada	Churchill, Douglas, Elko, Esmeralda, Eureka, Humboldt, Lander, Lyon, Mineral, Pershing, Storey, Washoe, and N 1/2 White Pine Counties
Power Equipment Operators	151 to 300 miles	\$3.00
Truck Drivers	151 to 300 miles	\$3.00
Laborers	151 to 300 miles	\$2.00

INDIRECT COSTS

FICA/Medicare (%)	7.65%
Unemployment (%)	3.00%
Workman's Compensation (%)	11.21%

HOURLY LABOR RATE TABLE

EQUIPMENT TYPE ⁽¹⁾ OR JOB DESCRIPTION	Group	Base Rate (\$/hr)	Fringe (\$/hr)	Zone Adjustment (\$/hr)	Hourly Wage (\$/hr)	FICA/ Medicare (\$/hr)	Unemploy- ment (\$/hr)	Workman's Comp (\$/hr)	Total (\$/hr)
EQUIPMENT OPERATORS (\$/hr) ⁽²⁾									
Bulldozers									
D6R	Group 8	\$28.83	\$16.10	\$3.00	\$47.93	\$3.67	\$1.44	\$5.37	\$58.41
D7R	Group 8	\$28.83	\$16.10	\$3.00	\$47.93	\$3.67	\$1.44	\$5.37	\$58.41
D8R	Group 8	\$28.83	\$16.10	\$3.00	\$47.93	\$3.67	\$1.44	\$5.37	\$58.41
D9R	Group 8	\$28.83	\$16.10	\$3.00	\$47.93	\$3.67	\$1.44	\$5.37	\$58.41
D10R	Group 8	\$28.83	\$16.10	\$3.00	\$47.93	\$3.67	\$1.44	\$5.37	\$58.41
D11R	Group 8	\$28.83	\$16.10	\$3.00	\$47.93	\$3.67	\$1.44	\$5.37	\$58.41
Motor Graders									
14G/H	Group 8	\$28.83	\$16.10	\$3.00	\$47.93	\$3.67	\$1.44	\$5.37	\$58.41
16G/H	Group 8	\$28.83	\$16.10	\$3.00	\$47.93	\$3.67	\$1.44	\$5.37	\$58.41
Track Excavators									
320C	Group 11	\$29.93	\$16.10	\$3.00	\$49.03	\$3.75	\$1.47	\$5.50	\$59.75
325C	Group 11	\$29.93	\$16.10	\$3.00	\$49.03	\$3.75	\$1.47	\$5.50	\$59.75
345B	Group 11	\$29.93	\$16.10	\$3.00	\$49.03	\$3.75	\$1.47	\$5.50	\$59.75
385BL	Group 11	\$29.93	\$16.10	\$3.00	\$49.03	\$3.75	\$1.47	\$5.50	\$59.75
Scrapers									
631G	Group 8	\$28.83	\$16.10	\$3.00	\$47.93	\$3.67	\$1.44	\$5.37	\$58.41
637G PP	Group 8	\$28.83	\$16.10	\$3.00	\$47.93	\$3.67	\$1.44	\$5.37	\$58.41
Wheeled Loaders									
928G	Group 10	\$29.50	\$16.10	\$3.00	\$48.60	\$3.72	\$1.46	\$5.45	\$59.22
955G	Group 11	\$29.93	\$16.10	\$3.00	\$49.03	\$3.75	\$1.47	\$5.50	\$59.75
972G	Group 11	\$29.93	\$16.10	\$3.00	\$49.03	\$3.75	\$1.47	\$5.50	\$59.75
988G	Group 11	\$29.93	\$16.10	\$3.00	\$49.03	\$3.75	\$1.47	\$5.50	\$59.75
992G	Group 11/A	\$31.57	\$16.10	\$3.00	\$50.67	\$3.88	\$1.52	\$5.68	\$61.75
Hydraulic Hammers									
H-120 (fits 325)									
H-180 (fits 345)									
H-180 (fits 365/385)									

Project Name: IGMi - Water Supply Exploration- Notice or Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Cost Basis: Standardized Data
 Data Cost File: CostData STD NV2005.xls

Color Code Key	
User Input - Direct Input	Direct Input
User Input - Pull Down List	Pull Down Selection
Standardized Data (imported from data file)	Standardized Data
Program Calculated Value	Locked Cell - Formula or Reference

ZONE ADJUSTMENTS

Project Region	Northern Nevada	Churchill, Douglas, Elko, Esmeralda, Eureka, Humboldt, Lander, Lyon, Mineral, Pershing, Storey, Washoe, and N 1/2 White Pine Counties
Power Equipment Operators	151 to 300 miles	\$3.00
Truck Drivers	151 to 300 miles	\$3.00
Laborers	151 to 300 miles	\$2.00

INDIRECT COSTS

FICA/Medicare (%)	7.85%
Unemployment (%)	3.00%
Workman's Compensation (%)	11.21%

Other Equipment

420D 4WD Backhoe	Group 10A	\$28.89	\$18.10	\$3.00	\$48.79	\$3.73	\$1.46	\$5.47	\$59.46
CS563E Vibratory Roller	Group 8	\$27.89	\$18.10	\$3.00	\$47.09	\$3.60	\$1.41	\$5.28	\$57.38
Light Truck - 1.5 Ton			\$18.10	\$3.00					
Supervisor's Truck			\$18.10	\$3.00					
Air Compressor + tools	Group 2		\$18.10	\$3.00					
Welding Equipment	Group 9	\$28.24	\$18.10	\$3.00	\$47.34	\$3.62	\$1.42	\$5.31	\$57.69
Heavy Duty Drill Rig	Group 10	\$28.51	\$18.10	\$3.00	\$45.61	\$3.49	\$1.37	\$5.11	\$55.58
Pump (plugging) Drill Rig	Group 10	\$28.51	\$18.10	\$3.00	\$45.61	\$3.49	\$1.37	\$5.11	\$55.58
Concrete Pump			\$18.10	\$3.00					
Gas Engine Vibrator	Group 8	\$27.89	\$18.10	\$3.00	\$47.09	\$3.60	\$1.41	\$5.28	\$57.38
25 Ton Crane	Group 7	\$28.24	\$18.10	\$3.00	\$47.34	\$3.62	\$1.42	\$5.31	\$57.69

NOTES:

(1) Equipment Type:	Caterpillar model or equivalent
(2) Equipment Operator Source:	D-B ENQ0993-003 07/01/2005
(3) Zone Basis:	From Washoe Co. Courthouse

TRUCK DRIVERS (\$/hr) ⁽⁴⁾

769D	Truck Driver > 25 yds	\$28.01	\$10.39	\$3.00	\$39.40	\$3.01	\$1.18	\$4.42	\$48.01
777D	Truck Driver > 60 yds	\$22.59	\$10.39	\$3.00	\$35.98	\$2.75	\$1.08	\$4.03	\$43.85
613E (5,000 gal) Water Wagon	Truck > 2,500 gall	\$20.56	\$10.39	\$3.00	\$33.95	\$2.60	\$1.02	\$3.81	\$41.37
621E (8,000 gal) Water Wagon	Truck > 2,500 gall	\$20.56	\$10.39	\$3.00	\$33.95	\$2.60	\$1.02	\$3.81	\$41.37
Dump Truck (10-12 yd ³)	Truck Driver > 8 yds	\$20.56	\$10.39	\$3.00	\$33.95	\$2.60	\$1.02	\$3.81	\$41.37

NOTES:

(4) Truck Driver Source:	D-B TEAM0533-001 07/01/2004
(5) Zone Basis:	From Washoe Co. Courthouse

LABORERS (\$/hr) ^(6,7)

General Laborer	Group 1	\$20.75	\$8.57	\$2.00	\$29.32	\$2.24	\$0.88	\$3.29	\$35.73
Skilled Laborer	Group 4	\$21.25	\$8.57	\$2.00	\$29.82	\$2.28	\$0.89	\$3.34	\$36.34
Driller's Helper	Group 3	\$21.00	\$8.57	\$2.00	\$29.57	\$2.26	\$0.89	\$3.31	\$36.03
Rodmen (reinforcing concrete)	Group 2	\$20.85	\$8.57	\$2.00	\$29.42	\$2.25	\$0.88	\$3.30	\$35.85
Cement finisher	Group 3	\$21.00	\$8.57	\$2.00	\$29.57	\$2.26	\$0.89	\$3.31	\$36.03
Carpenter		\$24.08	\$8.57	\$2.00	\$32.65	\$2.50	\$0.98	\$3.66	\$39.79

NOTES:

(6) Laborer Source:	D-B LAB00169-003 10/01/2005
(7) Carpenter Source:	D-B CARP0971-003 07/01/2004
(8) Zone Basis:	From Washoe Co. Courthouse

Project Name: IGM1 - Water Supply Exploration- Notice or Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Cost Basis: Standardized Data
 Data Cost File: CostData STD NV2005.xls

Color Code Key	
User Input - Direct Input	Direct Input
User Input - Pull Down List	Pull Down Selection
Standardized Data (imported from data file)	Standardized Data
Program Calculated Value	Locked Cell - Formula or Reference

ZONE ADJUSTMENTS

Project Region	Northern Nevada	Churchill, Douglas, Elko, Esmeralda, Eureka, Humboldt, Lander, Lyon, Mineral, Pershing, Storey, Washoe, and N 1/2 White Pine Counties
Power Equipment Operators	151 to 300 miles	\$3.00
Truck Drivers	151 to 300 miles	\$3.00
Laborers	151 to 300 miles	\$2.00

INDIRECT COSTS

FICA/Medicare (%)	7.65%
Unemployment (%)	3.00%
Workman's Compensation (%)	11.21%

PROJECT MANAGEMENT AND TECHNICAL LABOR (\$/hr)⁽⁹⁾

Project Manager	\$42.68	\$42.68	\$3.27	\$1.28	\$4.78	\$52.01
Foreman	\$42.68	\$42.68	\$3.27	\$1.28	\$4.78	\$52.01
Field Geologist/Engineer	\$75.00					\$75.00
Field Tech/Sampler	\$55.00					\$55.00
Range Scientist	\$75.00					\$75.00

NOTES:

(9) Project Manager	NV Prevailing Wage
(9) Foreman Source	NV Prevailing Wage
(9) Technical Labor Source	BRK Consulting

Nevada Standardized Bond Calculation Equipment Costs

Project Name: IGMI - Water Supply Exploration- Notice or Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Cost Basis: Standardized Data
 Data Cost File: CostData STD NV2005.xls

Monthly Rental Basis: 178 hrs month

EQUIPMENT RENTAL RATE TABLE				
EQUIPMENT TYPE ⁽¹⁾	Monthly Rental Rate	Equipment Hourly Rate	Fuel/Lube/Wear	Total Rate
Buildozers				
D6R	\$8,995.00	\$51.11	\$15.55	\$66.66
D7R	\$12,595.00	\$71.56	\$20.02	\$91.58
D8R	\$16,200.00	\$92.05	\$25.05	\$117.10
D9R	\$19,750.00	\$112.22	\$36.74	\$148.95
D10R	\$25,500.00	\$144.89	\$46.62	\$191.51
D11R	\$35,070.00	\$199.26	\$68.98	\$268.24
Motor Graders				
14G/H	\$11,300.00	\$64.20	\$26.65	\$90.86
16G/H	\$16,750.00	\$95.17	\$33.58	\$128.75
Track Excavators				
320C	\$6,700.00	\$38.07	\$13.41	\$51.48
325C	\$7,300.00	\$41.48	\$17.15	\$58.63
345B	\$10,000.00	\$56.82	\$25.38	\$82.20
385BL	\$20,600.00	\$116.48	\$41.07	\$157.54
Scrapers				
631G	\$18,845.00	\$107.07	\$41.51	\$148.59
637G PP	\$20,076.00	\$114.07	\$59.22	\$173.28
Wheeled Loaders				
928G	\$4,995.00	\$28.38	\$13.30	\$41.68
966G	\$9,000.00	\$51.14	\$23.11	\$74.25
972G	\$10,300.00	\$58.52	\$24.61	\$83.13
988G	\$17,650.00	\$100.28	\$39.20	\$139.48
992G	\$35,600.00	\$201.70	\$79.55	\$281.26
Hydraulic Hammers				
H-120 (fits 325)	\$4,840.00	\$27.50	\$3.34	\$30.84
H-160 (fits 345)	\$8,950.00	\$39.49	\$6.62	\$46.11
H-180 (fits 365/385)	\$8,210.00	\$46.65	\$7.86	\$54.51
Other Equipment				
420D 4WD Backhoe	\$2,625.00	\$14.91	\$10.40	\$25.32
CS563E Vibratory Roller	\$5,225.00	\$29.69	\$8.89	\$38.57
Light Truck - 1.5 Ton	\$2,000.00	\$11.36	\$1.67	\$13.03
Supervisor's Truck	\$2,000.00	\$11.36	\$1.67	\$13.03
Air Compressor + tools	\$2,720.98	\$15.46	\$0.00	\$15.46
Welding Equipment	\$741.40	\$4.21	\$0.00	\$4.21
Heavy Duty Drill Rig	\$45,330.56	\$257.56	\$0.00	\$257.56
Pump (plugging) Drill Rig	\$33,010.56	\$187.56	\$0.00	\$187.56
Concrete Pump	\$17,042.08	\$96.83	\$3.34	\$100.17
Gas Engine Vibrator	\$580.80	\$3.30	\$3.34	\$6.64
25 Ton Crane	\$8,395.00	\$47.70	\$5.01	\$52.71
Trucks				
769D	\$15,300.00	\$86.93	\$25.53	\$112.47
777D	\$24,875.00	\$140.20	\$47.65	\$187.85
613E (5,000 gal) Water Wagon	\$8,395.00	\$47.70	\$22.24	\$69.94
621E (8,000 gal) Water Wagon	\$13,250.00	\$75.28	\$21.10	\$96.38
Dump Truck (10-12 yd ³)	\$11,533.28	\$65.53	\$25.53	\$91.06

NOTES:

- (1) Power Equipment Source: Cashman Equipment Company (Aug 2005) unless noted
- (2) Power Equipment Type: Caterpillar model or equivalent
- (3) Drilling Equipment Source: WDC Exploration (Dec 2005)
- (4) Other Equipment Source: Means Heavy Construction (Sept 2005)

Nevada Standardized Bond Calculation Equipment Costs

Project Name: IGMI - Water Supply Exploration- Notice of Exploration

Date of Submittal: April 3, 2006

File Name: Water Supply_040306_1_0.xls

Model Version: Version 1.0

Cost Basis: Standardized Data

Data Cost File: CostData STD NV2005.xls

FUEL, LUBE AND WEAR CALCULATIONS						
EQUIPMENT TYPE	PM Cost Per Hour ⁽¹⁾	Under carriage or Tires ⁽²⁾	Consumption ⁽³⁾	Rate gal/hr ⁽⁴⁾	Cost@ \$1.67/gal	Total Hourly Equipment Cost
Bulldozers						
D6R	\$2.88		\$2.88	5.75	\$9.60	\$15.55
D7R	\$3.10		\$4.38	7.50	\$12.53	\$20.02
D8R	\$3.42		\$5.35	9.75	\$16.28	\$25.05
D9R	\$4.18		\$8.78	14.25	\$23.80	\$36.74
D10R	\$4.29		\$12.27	18.00	\$30.06	\$46.62
D11R	\$5.67		\$18.05	26.50	\$44.26	\$68.98
Motor Graders						
14G/H	\$2.88	\$4.73	\$8.81	6.25	\$10.44	\$26.65
16G/H	\$3.14	\$5.89	\$12.03	7.50	\$12.53	\$33.58
Track Excavators						
320C	\$2.88		\$2.35	4.90	\$8.18	\$13.41
325C	\$2.88		\$3.25	6.60	\$11.02	\$17.15
345B	\$3.61		\$4.07	10.60	\$17.70	\$25.38
385 BL	\$4.04		\$7.80	17.50	\$29.23	\$41.07
Scrapers						
631G	\$4.05	\$7.54	\$4.87	15.00	\$25.05	\$41.51
637G PP	\$5.90	\$7.54	\$8.11	23.75	\$39.66	\$59.22
Wheeled Loaders						
928G	\$2.45	\$2.36	\$2.64	3.50	\$5.85	\$13.30
966G	\$2.85	\$4.49	\$6.17	5.75	\$9.60	\$23.11
972G	\$2.92	\$4.49	\$6.78	6.25	\$10.44	\$24.61
988G	\$4.74	\$6.91	\$8.34	11.50	\$19.21	\$39.20
992G	\$6.77	\$14.64	\$19.73	23.00	\$38.41	\$79.55
Hydraulic Hammers						
H-120 (fits 325)	N/A		\$3.34		\$0.00	\$3.34
H-160 (fits 345)	N/A		\$6.62		\$0.00	\$6.62
H-180 (fits 365/385)	N/A		\$7.88		\$0.00	\$7.88
Other Equipment						
420D 4WD Backhoe	\$2.38	\$1.05	\$1.98	3.00	\$5.01	\$10.40
CS563E Vibratory Roller	\$3.04		N/A	3.50	\$5.85	\$8.89
Light Truck - 1.5 Ton	N/A		N/A	1.00	\$1.67	\$1.67
Supervisor's Truck	N/A		N/A	1.00	\$1.67	\$1.67
Air Compressor + tools	N/A		N/A		\$0.00	\$0.00
Welding Equipment	N/A	\$0.00	N/A		\$0.00	\$0.00
Heavy Duty Drill Rig	N/A		N/A		\$0.00	\$0.00
Pump (plugging) Drill Rig	N/A		N/A		\$0.00	\$0.00
Concrete Pump	N/A		N/A	2.00	\$3.34	\$3.34
Gas Engine Vibrator	N/A		N/A	2.00	\$3.34	\$3.34
25 Ton Crane			N/A	3.00	\$5.01	\$5.01
Trucks						
768D	\$4.75	\$3.50	\$1.84	9.25	\$15.45	\$25.53
777D	\$6.92	\$9.76	\$2.58	17.00	\$28.39	\$47.65
613E (5,000 gal) Water Wagon	\$2.00	\$2.29	N/A	10.75	\$17.95	\$22.24
621E (8,000 gal) Water Wagon	\$3.15	\$2.50	N/A	9.25	\$15.45	\$21.10
Dump Truck (10-12 yd3)	\$4.75	\$3.50	\$1.84	9.25	\$15.45	\$25.53
Notes: (1) PM Source: August 2005 Cashman Equipment Rental Rate, Elko, NV (except as noted) (2) Undercarriage Source: D&D Tire, Inc. 08/06/2005 (3) G.E.T. Source: CAT Historical Data (4) Fuel Use Source: Caterpillar Handbook, Edition 35, Ch. 20; or estimated average for smaller vehicles						

Nevada Standardized Bond Calculation Equipment Costs

Project Name: IGMI - Water Supply Exploration- Notice or Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Cost Basis: Standardized Data
 Data Cost File: CostData STD NV2005.xls

TIRE COST TABLES						
Equipment	Tire Size	# of Tires Per	Cost	Tire Cost	Life	Tire Cost per
Bulldozers						
D6R			N/A			
D7R			N/A			
D8R			N/A			
D9R			N/A			
D10R			N/A			
D11R			N/A			
Motor Graders						
14G/H	20.5R25	6	\$2,757.40	\$16,544.40	3,500	\$4.73
16G/H	23.5R25	6	\$3,434.85	\$20,609.10	3,500	\$5.89
Track Excavators						
320C			N/A			
325C			N/A			
345B			N/A			
385 BL			N/A			
Scrapers						
631G	37.25R35	4	\$7,542.90	\$30,171.60	4,000	\$7.54
637G PP	37.25R35	4	\$7,542.90	\$30,171.60	4,000	\$7.54
Wheel Loader						
928G	17.5R25	4	\$2,658.80	\$10,635.20	4,500	\$2.36
966G	26.5R25	4	\$5,049.00	\$20,196.00	4,500	\$4.49
972G	26.5R25	4	\$5,049.00	\$20,196.00	4,500	\$4.49
988G	35/65-33	4	\$7,774.10	\$31,096.40	4,500	\$6.91
992G	45/65R45	4	\$16,471.30	\$65,885.20	4,500	\$14.64
Hydraulic Hammers						
H-120 (fits 325)			N/A			
H-160 (fits 345)			N/A			
H-180 (fits 365/385)			N/A			
Other Equipment						
420D 4WD Backhoe	340/80R18-195LR24	2 + 2	\$1,578.00	\$3,156.00	3,000	\$1.05
CS563E Vibratory Roller			N/A			
Light Truck - 1.5 Ton			N/A			
Supervisor's Truck			N/A			
Air Compressor + tools			N/A			
Welding Equipment			N/A			
Heavy Duty Drill Rig			N/A			
Pump (plugging) Drill Rig			N/A			
Concrete Pump			N/A			
Gas Engine Vibrator			N/A			
25 Ton Crane			N/A			
Trucks						
769D	18.00R33	6	\$3,496.90	\$20,981.40	6,000	\$3.50
777D	27.00R49	6	\$8,134.60	\$48,807.00	5,000	\$9.76
613E (5,000 gal) Water Wagon	23.5R25	4	\$3,435.70	\$13,742.80	6,000	\$2.29
621E (8,000 gal) Water Wagon	33.25R29	4	\$5,001.40	\$20,005.60	8,000	\$2.50
Dump Truck (10-12 yd3)		6	\$3,496.90	\$20,981.40	6,000	\$3.50
Notes:						
(1) Unit Cost Basis: Cost per set						
(2) Cost Basis: Total cost for all required tires.						
(3) Tire Cost Source: D&D Tire, Inc. 09/06/2005						
(4) Tire Wear Source: Caterpillar Handbook, Edition 35; Ch. 20						

Bond Calculation Material Costs

Project Name: IGMI - Water Supply Exploration- Notice or Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Data Cost File: CostData STD NV2005.xls

Revegetation Materials			
Seed Mixes			
Seed Mix	Description	Cost/Acre	
None			
Mix 1	Basins	\$250.00	
Mix 2	Low Hills	\$275.00	
Mix 3	Uplands	\$300.00	
Mix 4	Riparian or Custom	\$325.00	
User Mix 1	<i>Basin</i>	<i>\$115.57</i>	
User Mix 2	<i>Low Hills</i>		
User Mix 3	<i>Uplands</i>		
User Mix 4	<i>Riparian</i>		
Seed Mix	Cost/lb lbs/acre	Cost/Acre	
User Mix 5 (from Seed Mix sheet)	\$10.51 11	\$115.57	
Notes:			
Mulch			
Item	Cost/lb	lbs/acre	Cost/Acre
None			
Straw Mulch	\$0.14	2000	\$280.00
Hydro Mulch	\$6.25	50	\$312.50
Notes:			
Amendments			
Item	Cost/lb	lbs/acre	Cost/Acre
None			
Organic Matter	\$0.25	2000	\$500.00
Treated Sludge	\$0.10	3000	\$300.00
Chemical	\$1.50	100	\$150.00
Notes:			

Bond Calculation Material Costs

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Well Abandonment Materials		
Description	Units	Cost/unit
Cement	cy	\$310.00
Grout (Low Grade Bentonite)	cy	\$25.76
Inert Material/Cuttings	cy	\$0.00
(1) Cement costs per Modern Concrete quote (7/23/04) at \$310 cubic yard		
(2) MI Drilling Fluids, Carlin, Nevada (2/28/05) quote for Abandonite grout at		

Monitoring Costs		
Description	Units	Cost/unit
Water Sample Analysis(1)	\$/sample	\$300.00
Monitor Well Pump	ea.	\$2,140.00
Sampling Supplies	\$/sample	\$5.00
MWMP/Proville I		\$375.00
ABA + S speculation		
(1) WET Labs, Reno, Nevada (2/2006)		

Fuel, Etc.		
Description	Units	Cost/unit
Off-road Diesel - delivered (1)	gallons	\$1.67
Pickup Truck Mileage	\$/mi	\$0.405
(1) Source: Al-Park Petroleum, Inc. Salt Lake City, average cost for 12		

Nevada Standardized Bond Calculation Misc. Unit Costs

Project Name: IGM - Water Supply Exploration- Notice or Exploration
Date of Submittal: April 3, 2006
File Name: Water Supply_040306_1_0.xls
Model Version: Version 1.0
Data Cost File: CostData STD NV2005.xls

Color Code Key	User Input - Direct Input	Direct Input
	User Input - Pull Down List	Pull Down Selection
	Standardized Data (imported from data file)	Standardized Data
	Program Calculated Value	Locked Cell - Formula or Reference

Revegetation									
	Seeding (1)	Shrub Planting (2)	Tree Planting (3)	Cactus Planting (4)	Unit	Labor	Equipment	Total	Notes
		acres	acres	acres		\$85.00	\$35.00	\$120.00	
								\$0.00	
								\$0.00	
								\$0.00	
NOTES:									
(1) Seeding Source: (State Seeding September 2005)									
(2) Shrub Source:									
(3) Tree Source:									
(4) Cactus Source:									
Building and Wall Demolition									
Hourly productivity rates and crew composition from Means Heavy Construction 2005 Edition by permission of R.S. Means/Reed Construction Data									
All equipment, labor and material unit costs are from Labor Costs, Equipment Costs and Material Costs spreadsheets									
Building Demolition									
	Means Number	Unit	Crew	Daily Output	Labor	Equipment	Premium	Total	Notes
Lg. steel	02220-110-0012	C.F.	B-8	21500	\$0.12	\$0.12		\$0.24	
Lg. concrete	02220-110-0050	C.F.	B-8	15300	\$0.17	\$0.16		\$0.33	
Lg. masonry	02220-110-0080	C.F.	B-8	20100	\$0.13	\$0.12		\$0.25	
Lg. mixed	02220-110-0100	C.F.	B-8	20100	\$0.13	\$0.12		\$0.25	
Sm. steel	02220-110-0500	C.F.	B-3	14800	\$0.14	\$0.13		\$0.27	
Sm. concrete	02220-110-0600	C.F.	B-3	11300	\$0.19	\$0.17		\$0.36	
Sm. masonry	02220-110-0650	C.F.	B-3	14800	\$0.14	\$0.13		\$0.27	
Sm. wood	02220-110-0700	C.F.	B-3	14800	\$0.14	\$0.13		\$0.27	
Wall Demolition									
Block 4" thick	02220-130-2000	S.F.	1 Clab	180	\$1.59	\$0.00	20%	\$1.97	assumes vertical reinforcing rods included (20% premium)
Block 6" thick	02220-130-2040	S.F.	1 Clab	170	\$1.68	\$0.00	20%	\$2.02	assumes vertical reinforcing rods included (20% premium)
Block 8" thick	02220-130-2080	S.F.	1 Clab	150	\$1.91	\$0.00	20%	\$2.29	assumes vertical reinforcing rods included (20% premium)
Block 12" thick	02220-130-2100	S.F.	1 Clab	150	\$1.91	\$0.00	20%	\$2.29	assumes vertical reinforcing rods included (20% premium)
Contc 6" thick	02220-130-2400	S.F.	B-9	160	\$9.75	\$1.42	10%	\$12.29	assumes average reinforcing (10% premium)
Contc 8" thick	02220-130-2420	S.F.	B-9	140	\$11.14	\$1.53	10%	\$14.05	assumes average reinforcing (10% premium)
Contc 10" thick	02220-130-2440	S.F.	B-9	120	\$13.00	\$1.80	10%	\$16.39	assumes average reinforcing (10% premium)
Contc 12" thick	02220-130-2500	S.F.	B-9	100	\$15.59	\$2.28	10%	\$19.66	assumes average reinforcing (10% premium)

Nevada Standardized Bond Calculation Misc. Unit Costs

Concrete Structure Installation									
Hourly productivity rates and crew composition from Means Heavy Construction 2005 Edition with permission by R.S.Means/Reed Construction Data. All equipment, labor and material unit costs are from Labor Costs, Equipment Costs and Material Costs spreadsheets									
Reinforced Concrete Bulkheads and Shaft Covers									
Means Number Unit Crew Output Materials Labor Equipment Premium Total Notes									
Daily									
Grade walls, 15" thick, 8' high	03310-240-4300	C.Y.	C-14D	80.02	\$106.00	\$11.98	\$100.45		\$218.43 includes reinforcing
Grade walls, 15" thick, 12' high	03310-240-4350	C.Y.	C-14D	51.26	\$112.00	\$18.70	\$156.82		\$287.52 includes reinforcing
Elevated conc. 1-way beam and slab - 15' span	03310-240-2700	C.Y.	C-14B	20.59	\$194.00	\$401.34	\$46.56		\$641.90 includes reinforcing
Elevated conc. 1-way beam and slab - 25' span	03310-240-2750	C.Y.	C-14B	28.35	\$176.00	\$291.38	\$33.81		\$501.19 includes reinforcing
Bat Gate/Foam Plug Installation									
Bat Gate (5)		ea.		0.5	\$2,200.00	\$/ea.			materials 5/8" installed
Culvert Gate (5)		ea.		1	\$4,400.00	\$1,886.10	\$425.60		materials 5/8" installed
Adit Foam Plug (6)		ea./C.Y.		0.5	\$220.00	\$2,618.40	\$767.00		materials 5/8" placed
Production Opening Foam Plug (6)				0.5	\$220.00	\$2,618.40	\$767.00		materials 5/8" placed
NOTES:									
(5) Bat Gate Source:	NV BLM, 2/2006: 8 hr + 3 hr mobil/demob + 1 hr setup per gate								
(6) Foam Plug Source:	NV BLM, 2/2006: 8 hr + 1 hr mobil/demob + 1 hr setup per adit, 16 hrs per production opening								
Misc. Linear Projects									
Hourly productivity rates and crew composition from Means Heavy Construction 2005 Edition with permission of R.S.Means/Reed Construction Data. All equipment, labor and material unit costs are from Labor Costs, Equipment Costs and Material Costs spreadsheets									
Fencing Installation									
Means Number Unit Crew Output Materials Labor Equipment Premium Total Notes									
Daily									
Barbed 3-strand	02820-170-1650	L.F.	B-80A	760	\$0.30	\$1.13	\$0.14		\$1.57
Barbed 5-strand	02820-170-1650	L.F.	B-80A	456	\$0.50	\$1.88	\$0.23		\$2.61
Chain link 8'-10'	02820-130-0920	L.F.	B-80C	180	\$28.50	\$4.76	\$0.58		\$33.84
Fencing Removal									
Barbed 3-strand Removal	02220-220-1600	L.F.	2 Clab	430		\$1.33	\$0.24		\$1.57
Barbed 5-strand Removal	02220-220-1650	L.F.	2 Clab	280		\$2.04	\$0.37		\$2.41
Chain link 8'-10' Removal	02220-220-1700	L.F.	B-8	445		\$2.35	\$0.75		\$3.10
Pipeline and Culvert Removal									
12" Diameter	02220-220-2900	L.F.	B-6	175		\$5.97	\$1.91		\$7.88
15" Diameter	02220-220-2930	L.F.	B-6	150		\$5.97	\$2.22		\$8.19
24" Diameter	02220-220-2960	L.F.	B-6	120		\$8.71	\$2.78		\$11.49
36" Diameter	02220-220-3000	L.F.	B-6	90		\$11.62	\$3.70		\$15.32
Misc.									
Backhoe work									
02210-700-0120	C.Y.	B-11M	28			\$16.99	\$7.23		\$24.22
Powerline and Transformer Removal									
Single Pole		line mile							\$10,000.00
Double Pole		line mile							\$10,000.00
Transformer (9)		unit							\$15,000.00
NOTES:									
(7) Single Pole Source:	Sierra Pacific Power Company estimate (2004)								
(8) Double Pole Source:	Sierra Pacific Power Company estimate (2004)								
(9) Transformer Source:	Sierra Pacific Power Company estimate (2004)								

Nevada Standardized Bond Calculation Misc. Unit Costs

Erosion and Sedimentation Control										
Hourly productivity rates and crew composition from Means Heavy Construction 2005 Edition by permission of R.S. Means/Reed Construction Data.										
All equipment, labor and material unit costs are from Labor Costs, Equipment Costs and Material Costs spreadsheets										
	Means Number	Unit	Crew	Daily Output	Materials	Labor	Equipment	Premium	Total	Notes
Rip-Rap & Rock Lining										
Rip-Rap 3/8 to 1/4 C.Y. Pieces, grouted	02370-450-0110	S.Y.	B-13	80	\$20.05	\$25.26	\$6.57		\$52.78	assumes on-site source of rip-rap
Rip-Rap 18" min thick, no grout	02370-450-0200	S.Y.	B-13	53		\$38.13	\$9.92		\$48.05	assumes on-site source of rip-rap
Gabions, 6" deep	02370-450-0400	S.Y.	B-13	200	\$9.46	\$10.10	\$7.63		\$27.19	assumes on-site source rock fill for gabions
Gabions, 8" deep	02370-450-0500	S.Y.	B-13	163	\$14.56	\$12.40	\$3.23		\$30.19	assumes on-site source rock fill for gabions
Gabions, 12" deep	02370-450-0200	S.Y.	B-13	153	\$15.40	\$13.21	\$3.44		\$32.05	assumes on-site source rock fill for gabions
Gabions, 18" deep	02370-450-0200	S.Y.	B-13	102	\$19.60	\$19.81	\$5.16		\$44.57	assumes on-site source rock fill for gabions
Gabions, 36" deep	02370-450-0200	S.Y.	B-13	60	\$33.32	\$33.68	\$8.77		\$75.77	assumes on-site source rock fill for gabions
HDEP Liner Installation										
Finish grading large area	2310-100-0100	S.F.	B-11L	54,000		\$0.01	\$0.01		\$0.02	
Compaction - riding, vibrating roller, 12" lift	2315-310-0100	S.F.	B-10Y	140,400		\$0.01	\$0.01		\$0.01	
60 mil HDEP	2660-610-0010	S.F.	3 SWK	1,000	\$0.55	\$0.64	\$0.13		\$1.32	
TOTAL					\$0.55	\$0.66	\$0.14		\$1.55	
Pump and Casing Removal										
Pump Type	Measurement	Unit				Labor	Equipment		Total	Notes
Submersible	ft to pump	L.F.				\$1.69	\$4.11		\$6.00	
Line Shaft	ft to pump	L.F.				\$4.41	\$9.59		\$14.00	
NOTES:										
(10) Pump Removal Source: WDC Exploration (12/2005)										

**Nevada Standardized Bond Calculation
Fleets (Crews)**

Project Name: IGMI - Water Supply Exploration- Notice or Exploration
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Model Version: Version 1.0
Data Cost File: CostData STD NV2005.xls

EQUIPMENT FLEETS			
RIPPING			
Rip road Waste rock dumps, heaps, tails - rip flat surfaces Surface preparation Scarify			
Small Dozer w/ multi-shank			
D7R	\$91.58	\$58.41	\$149.99
Totals	\$91.58	\$58.41	\$149.99
Medium Dozer w/ multi-shank			
D9R	\$148.95	\$58.41	\$207.36
Totals	\$148.95	\$58.41	\$207.36
Large Dozer w/ multi-shank			
D10R	\$191.51	\$58.41	\$249.92
Totals	\$191.51	\$58.41	\$249.92
Grader w/ multi-shank			
18G/H	\$128.75	\$58.41	\$187.16
Totals	\$128.75	\$58.41	\$187.16
GRADING			
Grading storage and structure areas Grading waste rock dumps and heaps Backfilling and grading exploration trenches Grading landfills Constructing pit safety berms			
Small Dozer Fleet			
D7R	\$91.58	\$58.41	\$149.99
Totals	\$91.58	\$58.41	\$149.99
Medium Dozer Fleet			
D9R	\$148.95	\$58.41	\$207.36
Totals	\$148.95	\$58.41	\$207.36
Large Dozer Fleet			
D10R	\$191.51	\$58.41	\$249.92
Totals	\$191.51	\$58.41	\$249.92
EXCAVATING			
Earthen Berms Diversion ditch backfill Underground openings backfill - excavate and place			
Large Excavator			
385BL	\$157.54	\$59.75	\$217.29
Totals	\$157.54	\$59.75	\$217.29
Medium Excavator			
348B	\$82.20	\$59.75	\$141.95
Totals	\$82.20	\$59.75	\$141.95
Small Excavator			
325C	\$58.63	\$59.75	\$118.38
Totals	\$58.63	\$59.75	\$118.38

**Nevada Standardized Bond Calculation
Fleets (Crews)**

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EQUIPMENT FLEETS			
EXCAVATE AND RECONTOUR			
Recontour large roads (haul roads, access roads, etc.) Ponds - Excavate and pull liner and bury Excavation and grading for diversion and drainage control			
Large Excavator + Dozer			
385BL	\$157.54	\$59.75	\$217.29
D10R	\$191.51	\$58.41	\$249.92
Totals	\$349.05	\$118.16	\$467.21
Medium Excavator + Dozer			
345B	\$82.20	\$59.75	\$141.95
D8R	\$148.95	\$58.41	\$207.36
Totals	\$231.15	\$118.16	\$349.31
Small Excavator + Dozer			
325C	\$58.63	\$59.75	\$118.38
D7R	\$91.58	\$58.41	\$149.99
Total Equipment	\$150.21	\$118.16	\$268.37
EXPLORATION ROAD/PAD RECONTOUR			
Recontour small roads (exploration roads, service roads, etc.) Cut and Fill reclamation on slopes Drill pad recontour Drill sump backfill			
Small Dozer Fleet			
D7R	\$91.58	\$58.41	\$149.99
Totals	\$91.58	\$58.41	\$149.99
Medium Dozer Fleet			
D8R	\$148.95	\$58.41	\$207.36
Totals	\$148.95	\$58.41	\$207.36
Small Excavator			
325C	\$58.63	\$59.75	\$118.38
Totals	\$58.63	\$59.75	\$118.38
Medium Excavator			
345B	\$82.20	\$59.75	\$141.95
Totals	\$82.20	\$59.75	\$141.95

**Nevada Standardized Bond Calculation
Fleets (Crews)**

Project Name: IGMI - Water Supply Exploration- Notice or Exploration
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EQUIPMENT FLEETS			
LOAD, HAUL AND PLACE MATERIAL			
Rock placement Haul overburden for backfill Haul borrow for backfill Haul cover or growth media			
Large Truck/Loader Fleet			
777D	\$187.85	\$43.85	\$231.70
882G	\$281.26	\$61.75	\$343.01
D7R	\$91.58	\$58.41	\$149.99
Totals	\$560.69	\$164.01	\$724.70
Small Truck/Loader Fleet			
788D	\$112.47	\$48.01	\$160.48
888G	\$139.48	\$59.75	\$199.23
D7R	\$91.58	\$58.41	\$149.99
Totals	\$343.53	\$166.17	\$509.70
Scraper/Dozer Fleet			
631G	\$148.59	\$58.41	\$207.00
D10R	\$191.51	\$58.41	\$249.92
D7R	\$91.58	\$58.41	\$149.99
Totals	\$431.68	\$175.23	\$606.91
Tandem Scraper Fleet			
637G PP	\$173.28	\$58.41	\$231.69
D7R	\$91.58	\$58.41	\$149.99
Totals	\$264.86	\$116.82	\$381.68
MISC. LOAD AND HAUL AND EARTHWORKS			
Sludge removal Drainage controls			
Misc. - Cat 325B Excavator / 10-12 yd³ Truck			
325C	\$58.63	\$59.75	\$118.38
Dump Truck (10-12 yd ³)	\$91.06	\$41.37	\$132.43
Totals	\$149.69	\$101.12	\$250.81
Misc. - Cat D9R Dozer/ Loader (5 yd³) / 10-12 yd³ Truck			
D9R	\$148.95	\$58.41	\$207.36
888G	\$74.25	\$59.75	\$134.00
Dump Truck (10-12 yd ³)	\$91.06	\$41.37	\$132.43
Totals	\$314.26	\$159.53	\$473.79
Misc. - Cat D6 Dozer / Cat 966 Loader / 10-12 yd³ Truck			
D6R	\$66.66	\$58.41	\$125.07
966G	\$74.25	\$59.75	\$134.00
Dump Truck (10-12 yd ³)	\$91.06	\$41.37	\$132.43
Totals	\$231.97	\$159.53	\$391.50

**Nevada Standardized Bond Calculation
Fleets (Crews)**

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EQUIPMENT FLEETS			
CONCRETE BREAKING			
Slab demolition Footing demolition Wall demolition			
Small - Cat 325B Excavator w/ H140D s Hammer			
325C	\$58.63	\$59.75	\$118.38
H-120 (fits 325)	\$30.84	\$0.00	\$30.84
D9R	\$148.95	\$58.41	\$207.36
Totals	\$238.42	\$118.16	\$356.58
Medium - Cat 345B Excavator w/ H180D s Hammer			
345B	\$82.20	\$59.75	\$141.95
H-160 (fits 345)	\$46.11	\$0.00	\$46.11
D9R	\$148.95	\$58.41	\$207.36
Totals	\$277.26	\$118.16	\$395.42
Large - Cat 385B Excavator w/ H180D s Hammer			
385BL	\$157.54	\$59.75	\$217.29
H-180 (fits 385/386)	\$54.51	\$0.00	\$54.51
D9R	\$148.95	\$58.41	\$207.36
Totals	\$361.00	\$118.16	\$479.16
DRILL HOLE ABANDONMENT			
Drill Hole - Grout or Cement			
Pump (plugging) Drill Rig	\$187.56	\$55.58	\$243.14
Driller's Helper	\$0.00	\$36.03	\$36.03
Driller's Helper	\$0.00	\$36.03	\$36.03
Totals	\$187.56	\$127.64	\$315.20
Drill Hole - Inert Media (Means Crew B-11M+ 1 Laborer)			
420D 4WD Backhoe	\$25.32	\$59.46	\$84.78
General Laborer	\$0.00	\$35.73	\$35.73
Totals	\$25.32	\$95.19	\$120.51
Drill Hole - Casing Perforation or Removal			
Heavy Duty Drill Rig	\$257.56	\$55.58	\$313.14
Driller's Helper	\$0.00	\$36.03	\$36.03
Driller's Helper	\$0.00	\$36.03	\$36.03
Totals	\$257.56	\$127.64	\$385.20
MAINTENANCE FLEET			
Road Grading, Dust Suppression, Clean Up			
Maintenance - Small Water Truck and Cat 14G Grader			
610E (5,000 gal) Water Wagon	\$69.94	\$41.37	\$111.31
14G/H	\$90.86	\$58.41	\$149.27
Totals	\$160.80	\$99.78	\$260.58
Maintenance - Large Water Truck and Cat 16G Grader			
624E (8,000 gal) Water Wagon	\$96.38	\$41.37	\$137.75
16G/H	\$128.75	\$58.41	\$187.16
Totals	\$225.13	\$99.78	\$324.91
PROJECT SUPERVISION			
Supervisor's Truck	\$13.03	\$0.00	\$13.03
Totals	\$13.03	\$0.00	\$13.03

**Nevada Standardized Bond Calculation
Fleets (Crews)**

Project Name: IGMI - Water Supply Exploration- Notice or Exploration
 Date of Submittal: April 3, 2006
 File Name: Water Supply_040306_1_0.xls
 Model Version: Version 1.0
 Data Cost File: CostData STD NV2005.xls

EQUIPMENT FLEETS			
MEANS CREW DEFINITIONS			
Crew composition from Means Heavy Construction 2005 Edition by permission of R.S.Means/Reed Construction Data . For use with misc. unit costs where Means is the source for productivity			
1 Clab - Block Wall Demolition			
General Laborer	\$0.00	\$35.73	\$35.73
Totals	\$0.00	\$35.73	\$35.73
2 Clab - Barbed Wire Fence Removal			
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
Light Truck - 1.5 Ton	\$13.03	\$0.00	\$13.03
Totals	\$13.03	\$71.46	\$84.49
2 Clab + Excavator - Pond Liner Cut and Fold			
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
326C	\$58.63	\$59.75	\$118.38
Totals	\$58.63	\$131.21	\$189.84
2 Clab + Welder - Bat Gates			
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
Welding Equipment	\$4.21	\$57.69	\$61.90
Light Truck - 1.5 Ton	\$13.03	\$0.00	\$13.03
Totals	\$17.24	\$129.15	\$146.39
3 Clab - Foam Adit Plugs			
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
420D 4WD Backhoe	\$25.32	\$59.46	\$84.78
Light Truck - 1.5 Ton	\$13.03	\$0.00	\$13.03
Totals	\$38.35	\$130.92	\$169.27
3 Clab + Welder - Culvert Bat Gate			
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
Welding Equipment	\$4.21	\$57.69	\$61.90
420D 4WD Backhoe	\$25.32	\$59.46	\$84.78
Light Truck - 1.5 Ton	\$13.03	\$0.00	\$13.03
Totals	\$42.56	\$188.61	\$231.17
3 SKWK - Liner Installation			
Skilled Laborer	\$0.00	\$36.34	\$36.34
Skilled Laborer	\$0.00	\$36.34	\$36.34
Skilled Laborer	\$0.00	\$36.34	\$36.34
420D 4WD Backhoe	\$25.32	\$59.46	\$84.78
Totals	\$25.32	\$168.48	\$193.80
B-3 - Small Building Demolition			
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
Foreman	\$13.03	\$52.01	\$65.04
928G	\$41.68	\$59.22	\$100.90
Dump Truck (10-12 yd3)	\$91.06	\$41.37	\$132.43
Dump Truck (10-12 yd3)	\$91.06	\$41.37	\$132.43
Totals	\$236.83	\$265.43	\$502.26
B-6 - Chain Link Fence/Pipeline/Culvert Removal			
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
928G	\$41.68	\$59.22	\$100.90
Totals	\$41.68	\$130.68	\$172.36

**Nevada Standardized Bond Calculation
Fleets (Crews)**

Project Name: IGM1 - Water Supply Exploration- Notice or Exploration
Date of Submittal: April 3, 2006
File Name: Water Supply_040306_1_0.xls
Model Version: Version 1.0
Data Cost File: CostData STD NV2005.xls

EQUIPMENT FLEETS			
B-8 - Large Building Demolition			
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
Foreman	\$13.03	\$52.01	\$65.04
928G	\$36.97	\$59.22	\$96.19
25 Ton Crane	\$78.03	\$57.69	\$135.72
Dump Truck(10-12hyd3)	\$91.06	\$41.37	\$132.43
Dump Truck(10-12 yd3)	\$91.06	\$41.37	\$132.43
Totals	\$310.15	\$323.12	\$633.27
B-9 - Concrete Wall Demolition			
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
Foreman	\$13.03	\$52.01	\$65.04
Air Compressor + tools	\$15.46	\$0.00	\$15.46
Totals	\$28.49	\$194.93	\$223.42

**Nevada Standardized Bond Calculation
Fleets (Crews)**

Project Name: IGMI - Water Supply Exploration- Notice or Exploration
Date of Submittal: April 3, 2006
File Name: Water Supply_040306_1_0.xls
Model Version: Version 1.0
Data Cost File: CostData STD NV2005.xls

EQUIPMENT FLEETS			
B-10Y - General Compaction			
General Laborer	\$0.00	\$35.73	\$35.73
CS663E Vibratory Roller	\$38.57	\$57.38	\$95.95
Totals	\$38.57	\$93.11	\$131.68
B-11L - Fine Grading for Evaporation Pond Liner Base			
General Laborer	\$0.00	\$35.73	\$35.73
14G/H	\$90.86	\$58.41	\$149.27
Totals	\$90.86	\$94.14	\$185.00
B-11M - Backhoe Work			
420D 4WD Backhoe	\$25.32	\$59.46	\$84.78
Totals	\$25.32	\$59.46	\$84.78
B-12G - Rip-Rap Machine Placed (Modified)			
988G	\$74.25	\$59.75	\$134.00
326C	\$58.63	\$59.75	\$118.38
Light Truck - 1.5 Ton	\$13.03	\$0.00	\$13.03
Totals	\$145.91	\$119.50	\$265.41
B-13 - Grouted Rip-Rap & Gablon Baskets			
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
Foreman	\$13.03	\$52.01	\$65.04
26 Ton Crane	\$52.71	\$57.69	\$110.40
Totals	\$65.74	\$252.62	\$318.36
B-80A - Install Barbed Wire Fence			
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
Light Truck - 1.5 Ton	\$13.03	\$0.00	\$13.03
Totals	\$13.03	\$107.19	\$120.22
B-80C - Install Chain Link Fence (Flatbed truck has small crane)			
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
Light Truck - 1.5 Ton	\$13.03	\$0.00	\$13.03
Totals	\$13.03	\$107.19	\$120.22
C-14B - Elevated Concrete Slabs (Reinforced Concrete Shaft Covers)			
Foreman	\$13.03	\$52.01	\$65.04
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
Rodmen (reinforcing concrete)	\$0.00	\$35.85	\$35.85

**Nevada Standardized Bond Calculation
Fleets (Crews)**

Project Name: IGMI - Water Supply Exploration- Notice of Exploration
Date of Submittal: April 3, 2006
File Name: Water Supply_040306_1_0.xls
Model Version: Version 1.0
Data Cost File: CostData STD NV2005.xls

EQUIPMENT FLEETS			
Rodmen (reinforcing concrete)	\$0.00	\$35.85	\$35.85
Rodmen (reinforcing concrete)	\$0.00	\$35.85	\$35.85
Rodmen (reinforcing concrete)	\$0.00	\$35.85	\$35.85
Cement finisher	\$0.00	\$36.03	\$36.03
Cement finisher	\$0.00	\$36.03	\$36.03
Gas Engine Vibrator	\$6.64	\$57.38	\$64.02
Concrete Pump	\$100.17	\$0.00	\$100.17
Totals	\$119.84	\$1,032.95	\$1,152.79

**Nevada Standardized Bond Calculation
Fleets (Crews)**

Project Name: IGMI - Water Supply Exploration- Notice of Exploration
Date of Submittal: April 3, 2006
File Name: Water Supply_040306_1_0.xls
Model Version: Version 1.0
Data Cost File: CostData STD NV2005.xls

EQUIPMENT FLEETS			
C-14D - Concrete Walls Formed In Place (Reinforced Concrete Adit Bulkheads)			
Foreman	\$13.03	\$52.01	\$65.04
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
Carpenter	\$0.00	\$39.79	\$39.79
General Laborer	\$0.00	\$35.73	\$35.73
General Laborer	\$0.00	\$35.73	\$35.73
Rodmen (reinforcing concrete)	\$0.00	\$35.85	\$35.85
Rodmen (reinforcing concrete)	\$0.00	\$35.85	\$35.85
Cement finisher	\$0.00	\$36.03	\$36.03
Gas Engine Vibrator	\$6.64	\$57.38	\$64.02
Concrete Pump	\$100.17	\$0.00	\$100.17
Totals	\$119.84	\$1,004.80	\$1,124.64

Nevada Standardized Bond Calculation Productivity

Productivity - Bulldozers

Dozer Specifications					
Description	D11R	D10R	D8R	D6R	D7R
Blade Width (ft)	18.33 ft	15.92 ft	14.17 ft	12.92 ft	12.08 ft
Shank Gauge (3 shanks)	9.83 ft	8.67 ft	7.67 ft	7.08 ft	6.50 ft
Pocket Spacing	4.75 ft	4.33 ft	3.87 ft	3.58 ft	3.25 ft
Ripping Width (Ripper + 1 Pocket)	14.58 ft	13.00 ft	11.54 ft	10.66 ft	9.75 ft
Ripping Speed	1.0 mph	1.0 mph	1.0 mph	1.0 mph	1.0 mph
Ripping Maneuver (turn) Time	0.25 min	0.25 min	0.25 min	0.25 min	0.25 min
Ripping Hourly Production (less maneuvering time)	5280 ft	5280 ft	5280 ft	5280 ft	5280 ft

Source: Caterpillar Performance Handbook Edition 35

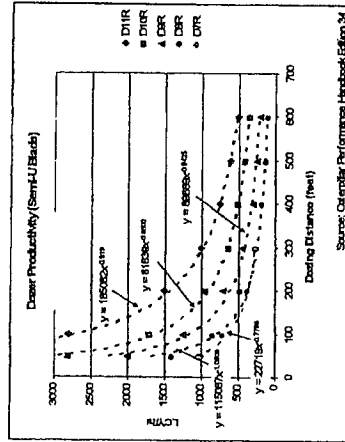
Dozer Productivity vs. Grading Distance					
Average Grading Distance (feet)	Production (LCY/hr)				
	D11R	D10R	D8R	D6R	D7R
60	4800	2800	2000	1400	1000
100	2800	1700	1250	850	700
200	1500	950	700	475	375
300	1000	625	450	275	250
400	750	500	300	175	175
500	600	410	250	125	125
600	500	350	200	100	100

dozer productivity = k x Grading Distance^p

(see graph)

k =	185082	81639	89889	115087	22718
p =	-0.818	-0.8502	-0.9425	-1.0009	-0.7786

Source: Caterpillar Performance Handbook Edition 35

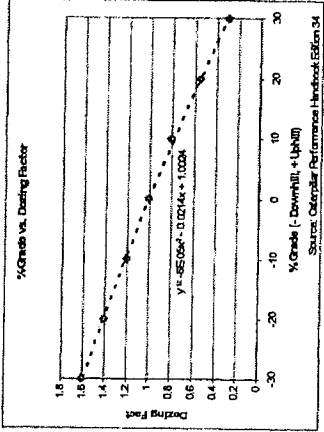


Nevada Standardized Bond Calculation Productivity

Productivity - Bulldozers (cont.)

% Grade vs. Dozing Factor	
% Grade	Dozing Factor
-30	1.6
-20	1.4
-10	1.2
0	1
10	0.8
20	0.55
30	0.3

Source: Caterpillar Performance Handbook Edition 35
% Grade Dozing Factor = $-8E-05x^2 - 0.0214x + 1.0024$
(see graph)



Job Condition Correction Factors - Bulldozers	
OPERATOR	0.75
Average	1.20
MATERIAL (1)	0.80
Loose stockpile	0.80
Hard to cut; frozen -- with slit cylinder	0.80
Hard to drill; "dead" (dry, non-cohesive material) or very sticky material	0.60
Rock, ripped or biased	1.20
SLOT DOZING OR SIDE BY SIDE	1.00
DOZING (1)	0.85
VISIBILITY	1.00
Good conditions	0.85
JOB EFFICIENCY	0.85
50 MINUTE	

(1) Selected in highly wet areas. Other factors included as standard factors.
Source: Caterpillar Performance Handbook Edition 35

Nevada Standardized Bond Calculation Productivity

Productivity - Scrapers

Scraper Specifications		637G PP
Description		112,760 lb
Empty Weight		100,000 lb
Payload Capacity		24 cy
	Shuck	24 cy
	Heaped	34 cy
	Average	28 cy
Loaded by		Self
Load Time		0.5 min
Discharge and Spread		0.6 min
Rolling Efficiency		0.83
Rolling Resistance**		2.5%
* Requires pair		
**A firm, smooth, rolling roadway with dirt or light surfacing, flexing slightly under load or undulating, maintained fairly regularly, watered		
Source: Caterpillar Performance Handbook Edition 35		

Weight of Materials

Material	ib/cy	Scraper Load lb
Basalt	3,300	95,700
Granite - broken	2,800	81,200
L.S. - broken	2,800	75,400
L.S. - crushed	2,800	73,900
Sandstone	2,550	60,800
Shale	2,100	78,300
Stone - crushed	2,700	46,400
Topsoil	1,600	

Downhill Scraper Speed - Grade Retarding vs. Effective Grade (Grade - Rolling Resistance)											
637G						637G PP					
Loaded Weight (lbs)	22.0%	16.0%	10.0%	5.0%	1.0%	Loaded Weight (lbs)	23.0%	20.0%	15.0%	10.0%	5.0%
Empty	10	18	24.5	33	33	Empty	10	10	13.5	18.5	34
Topsoil	10	18	24.5	33	33	Topsoil	10	10	13.5	18.5	34
Stone - crushed	10	18	24.5	33	33	Stone - crushed	10	10	13.5	18.5	34
Shale	10	18	24.5	33	33	Shale	10	10	13.5	18.5	34
Sandstone	10	18	24.5	33	33	Sandstone	10	10	13.5	18.5	34
L.S. - crushed	10	18	24.5	33	33	L.S. - crushed	10	10	13.5	18.5	34
L.S. - broken	10	18	24.5	33	33	L.S. - broken	10	10	13.5	18.5	34
Granite - broken	10	18	24.5	33	33	Granite - broken	10	10	13.5	18.5	34
Basalt	10	18	24.5	33	33	Basalt	10	10	13.5	18.5	34

Source: Caterpillar Performance Handbook Edition 34

Nevada Standardized Bond Calculation Productivity

Productivity - Scrapers (cont.)

Total Resistance (%) (rolling + grade)	631G Scraper Travel Time - Uphill Loaded					
	0.5	1	2	3	4	5
0.0%	825	2250	5300			
2.0%	750	1800	4800			
4.0%	550	1400	3000	4800		
6.0%	490	1000	2200	3500	6700	
8.0%	375	750	1600	2500	4500	5600
10.0%	300	700	1300	2000	3300	4200
12.0%	250	550	1100	1700	2750	3450
14.0%	225	450	900	1400	2250	2800
					1850	2250
						1089

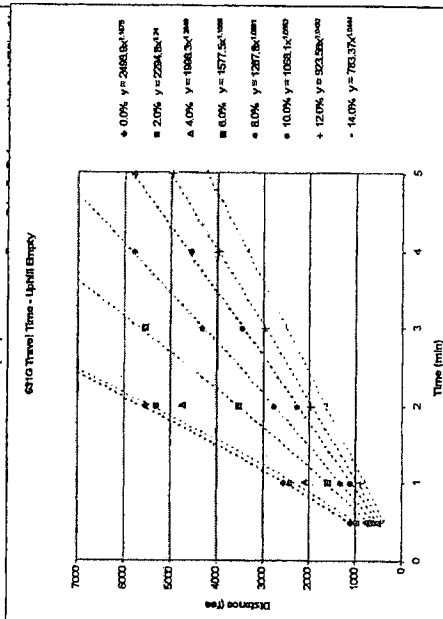
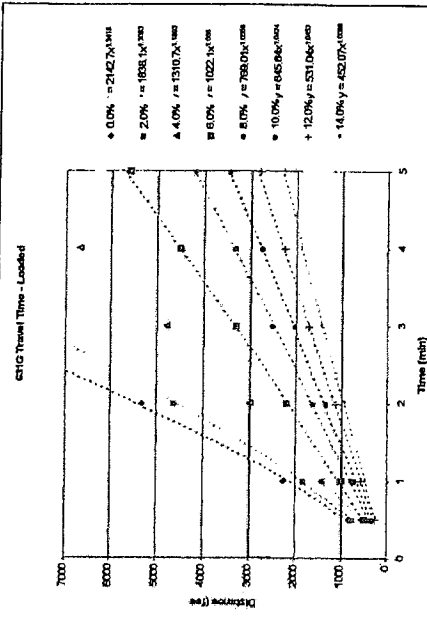
$$\text{Travel Time (min)} = \sqrt{\frac{\text{distance}}{k}}$$

Source: Caterpillar Performance Handbook Edition 35

Total Resistance (%) (rolling + grade)	631G Scraper Travel Time - Uphill Empty					
	0.5	1	2	3	4	5
0.0%	1100	2550	5550			
2.0%	950	2400	5300			
4.0%	800	2100	4750			
6.0%	700	1800	3550	5550		
8.0%	600	1300	2750	4300	5750	
10.0%	500	1100	2250	3450	4550	5750
12.0%	450	950	1850	2850	3950	4950
14.0%	375	800	1600	2500	3300	4200
						1044

$$\text{Travel Time (min)} = \sqrt{\frac{\text{distance}}{k}}$$

Source: Caterpillar Performance Handbook Edition 35



Source: Caterpillar Performance Handbook Edition 34

Nevada Standardized Bond Calculation Productivity

Productivity - Scrapers (cont.)

637G Push-Pull Scraper Travel Time - Uphill Loaded									
Total Resistance (%) (rolling + grade)	Time (min)								
	0.5	1	2	3	4	5	k	P	
0.0%	1000	2500	5550				2402.9	1.2382	
2.0%	850	2200	5150				2127.6	1.2385	
4.0%	700	1900	4750	6250			1659.4	1.2312	
6.0%	550	1600	4350	5850	7750		1287.8	1.0489	
8.0%	400	1300	3950	5450	7350	5600	1059.1	1.0421	
10.0%	250	1000	3550	5050	6950	4475	839.89	1.0503	
12.0%	100	750	3150	4650	6550	3800	751.58	1.0855	
14.0%	275	600	2750	4250	6150	3250	595.28	1.0794	

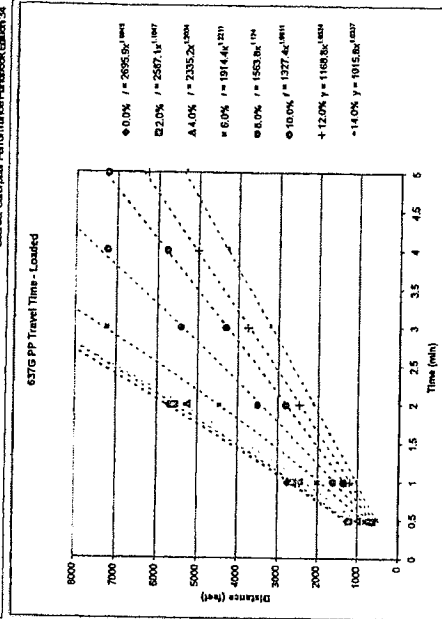
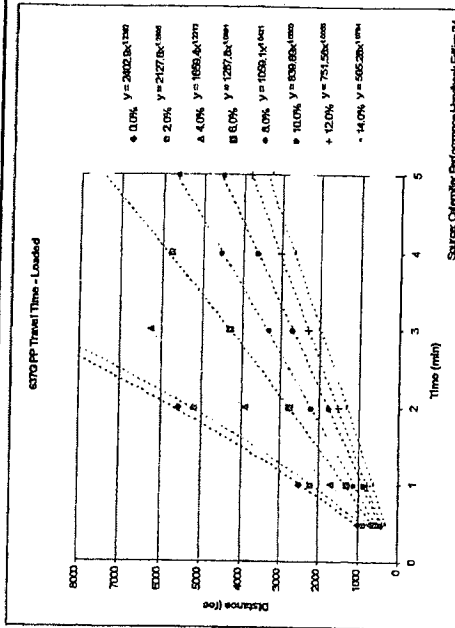
$$\text{Travel Time (min)} = \sqrt{\frac{\text{distance}}{k}}$$

Source: Caterpillar Performance Handbook Edition 35

637G Push-Pull Scraper Travel Time - Uphill Empty									
Total Resistance (%) (rolling + grade)	Time (min)								
	0.5	1	2	3	4	5	k	P	
0.0%	1250	2750	5700				2885.9	1.0945	
2.0%	1200	2600	5550				2587.1	1.1047	
4.0%	950	2450	5250				2335.2	1.0234	
6.0%	800	2000	4450	7216			1824.4	1.2211	
8.0%	700	1600	3500	5400	7216		1529.9	1.124	
10.0%	625	1350	2800	4300	5750	7216	1327.8	1.0811	
12.0%	550	1200	2450	3750	5000	6250	1183.8	1.0524	
14.0%	495	1010	2100	3200	4250	5300	1015.8	1.0337	

$$\text{Travel Time (min)} = \sqrt{\frac{\text{distance}}{k}}$$

Source: Caterpillar Performance Handbook Edition 35



Nevada Standardized Bond Calculation Productivity

Productivity - Haul Trucks

Haul Truck Specifications	
Description	769D
Chassis Weight	53,508 lb
Body Weight	111,575 lb
Standard Load Weight	36,768 lb
Total Truck Weight	70,768 lb
Payload Capacity	148,583 lb
Truck Shape	21.6 ft
Height	31.7 ft
Average	26.65 ft
Maneuver to Load Time	0.7 min
Maneuver and Dump Time	1.1 min
Job Efficiency	0.83
Rolling Resistance**	2.5%

**A firm, smooth, rolling roadway with dirt or light surfacing, flexing slightly under

Source: Caterpillar Performance Handbook Edition 35

Weight of Materials

Material	Weight (lbs)	769D					777D				
		Loaded	Weight (lbs)	5.0%	10.0%	15.0%	20.0%	25.0%	30.0%	35.0%	40.0%
Gravel	8,945	220,440	198,851	11	11	11	11	11	11	11	11
Gravel - broken	7,450	187,040	165,328	11	11	11	11	11	11	11	11
LS - broken	6,920	173,680	153,996	11	11	11	11	11	11	11	11
LS - crushed	6,920	173,680	153,996	11	11	11	11	11	11	11	11
Sandstone	6,920	173,680	153,996	11	11	11	11	11	11	11	11
Shale	6,920	173,680	153,996	11	11	11	11	11	11	11	11
Stone - crushed	7,195	180,360	160,671	11	11	11	11	11	11	11	11
Topsoil	1,600	42,540	38,546	11	11	11	11	11	11	11	11

Source: Caterpillar Performance Handbook Edition 35

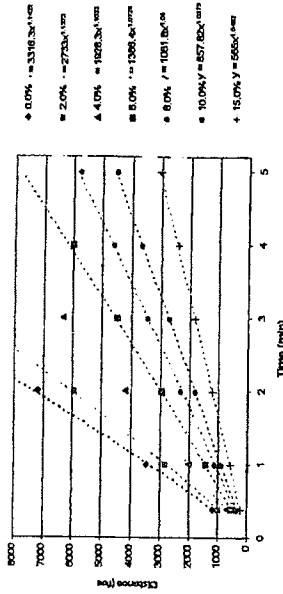
769D Haul Truck Travel Time - Uphill Loaded

Total Resistance (%) (rolling + grade)	0.4	1	2	3	4	5	k	p
0.0%	1148	3428	7183	1181	1804	2394	3316.3	1.1422
2.0%	951	2821	5904	9330	1181	1503	2733	1.1372
4.0%	689	1984	4198	6330	8510	10725	1928.3	1.1033
6.0%	509	1427	2952	4510	6002	7740	1386.4	1.0725
8.0%	394	1082	2263	3411	4592	5740	1061.8	1.05
10.0%	328	899	1771	2690	3608	4510	857.82	1.0373
15.0%	213	574	1181	1804	2394	3018	565	1.0482

$$\text{Travel Time (min)} = \sqrt{\frac{\text{distance}}{k}}$$

Source: Caterpillar Performance Handbook Edition 35

769D Travel Time - Loaded

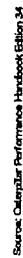


Source: Caterpillar Performance Handbook Edition 34

Productivity - Haul Trucks (cont.)

Source: Caterpillar Performance Handbook Edition 35

$$\text{Travel Time (min)} = \sqrt{\frac{\text{distance}}{k}}$$

Source: Caterpillar Performance Handbook Edition 35

$$\text{Travel Time (min)} = \sqrt{\frac{\text{distance}}{k}}$$

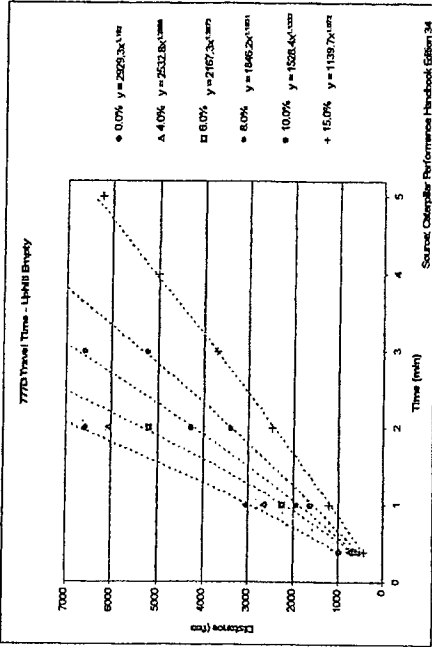
Nevada Standardized Bond Calculation Productivity

Productivity - Haul Trucks (cont.)

Total Resistance (%) (rolling + grade)	777D Haul Truck Travel Time - Uphill Empty					
	0.4	1	2	3	4	5
0.0%	968	3034	6560			2929.3
4.0%	754	2857	6068			1,192
6.0%	659	2247	5182			2532.8
8.0%	607	1935	4248	6560		2167.3
10.0%	525	1607	3378	5215	7282	1846.2
15.0%	410	1197	2460	3706	4986	1528.4
						1,133.2
						1,139.7
						1,072

$$\text{Travel Time (min)} = \sqrt{\frac{\text{distance}}{k}}$$

Source: Caterpillar Performance Handbook Edition 35



Nevada Standardized Bond Calculation Productivity

Productivity - Wheel Loaders

Wheel Loader Specifications									
Description		928G	966G	972G	986G	992G			
Payload Capacity	Struck	2.5 cy	4.46 cy	4.71 cy	5.9 cy	13.2 cy			
	Heaped	3.25 cy	5.9 cy	6.5 cy	8.3 cy	18.5 cy			
	Average	2.88 cy	4.73 cy	5.11 cy	7.62 cy	14.85 cy			
Matched Truck		N/A	N/A	N/A	7690	1770			
Average Cycle Time		0.45 min	0.50 min	0.50 min	0.55 min	0.50 min			
Passes to Fill Truck		N/A	N/A	N/A	4	5			
Time to Fill Truck		N/A	N/A	N/A	2.0	3.3			
Rolling Resistance**		2.5%	2.5%	2.5%	2.5%	2.5%			

**A firm, smooth, rolling roadway with

Source: Caterpillar Performance Handbook Edition 35

Wheel Loaders
928G
966G
972G
986G
992G

General Purpose
3.25 cubic yard
5.0 cubic yard
5.5 cubic yard
not available
not available

Spade Nose-Rock
not available
not available
not available
8.3 cubic yard
16.0 cubic yard

note: capacities are 2:1 heaped, SAE standards
NOTES: Buckets for both Track Excavators and Wheel Loaders are offered by CECO & available for the rental rates quoted. Bucket sizes and capacities obtained from CATERPILLAR PERFORMANCE HANDBOOK, ED 34, Section 12, Wheel Loader and Section 4, Excavators. Bucket capacity and width obtained by material weight and configuration, i.e., shot, loose, light bank, stockpile, rock, etc. Typical Nevada applications were used to determine above bucket capacities as related to materials & densities. Job site specifics may alter specific bucket requirements. (Caterpillar Equipment, Elko, Nevada - February 21, 2005)

Productivity - Motor Graders

Motor Grader Specifications									
Description		140H	160H						
Grade Width	Struck	9.25 ft	10.08 ft						
	Heaped	14.00 ft	16.00 ft						
	Average	8.50 ft	9.75 ft						
Road Maintenance Speed	Minimum	3.0 mph	3.0 mph						
	Maximum	9.5 mph	9.5 mph						
	Average	6.3 mph	6.3 mph						
Hourly Production	Minimum	33000 ft	33000 ft						
	Maximum	1.0 mph	1.0 mph						
	Average	0.0 mph	0.0 mph						
Ripping Speed	Minimum	3.0 mph	3.0 mph						
	Maximum	1.5 mph	1.5 mph						
	Average	0.5 min	0.5 min						
Hourly Production (less maneuver time)	Minimum	7920 ft	7920 ft						
	Maximum	0.5 min	0.5 min						
	Average	0.5 min	0.5 min						

Source: Caterpillar Performance Handbook Edition 35

Nevada Standardized Bond Calculation Productivity

Productivity - Excavators

Track Excavator Specifications		320C	325C	345B	385BL
Bucket Capacity		1.57 cy	2.22 cy	3 cy	7.3 cy
Fill Factor		0.90	0.90	0.90	0.90
Average Bucket Load		1.413 cy	1.998 cy	2.7 cy	6.57 cy
Job Type		hard clay	hard clay	hard clay	hard clay
Job Condition		med-hard	med-hard	med-hard	med-hard
Cycle Times (minutes) - based on hard clay					
Load Bucket		0.09	0.09	0.13	0.19
Swing Loader		0.06	0.06	0.07	0.06
Dump Bucket		0.03	0.04	0.02	0.03
Swing Empty		0.03	0.06	0.06	0.07
Total Cycle Time		0.23	0.25	0.28	0.35
Job Efficiency		0.83	0.83	0.83	0.83
Operator Efficiency (Average)		0.73	0.75	0.75	0.75
Corrected Productivity (LCY/hr)		229 cy	299 cy	360 cy	701 cy

Source: Caterpillar Performance Handbook Edition 35

Concrete Breaking Production

Track Excavator w/Hammer Specifications		325C	345B	385B
Hydraulic Hammer		H1200 s	H1600 s	H1800 s
Material		reinforced concrete	reinforced concrete	reinforced concrete
Min Shift Production (8hr)		160 cy	300 cy	350 cy
Max Shift Production (8hr)		300 cy	850 cy	1550 cy
Avg Shift Production (8hr)		230 cy	575 cy	950 cy
Job Efficiency		0.83	0.83	0.83

Source: Caterpillar Performance Handbook Edition 35

Track Excavators		Hy Duty Rock	Extreme Service Exc	Hy Duty Trench
320C		30" 78 cubic yd	60" 1.57 cubic yard	23.6" 54 yard
325C		36" 1.25 cubic yd	60" 2.22 cubic yard	30" 88 cubic yard
345B		43.2" 1.68 cubic yd	65" 2.7 cubic yd	48" 2.09 cubic yd
385BL		85" 6.30 cubic yd	98.0" 7.30 cubic yd	57" 2.75 cubic yd

note: Capacities are 2:1 heaped, SAE standards available for the rental rates quoted. Bucket sizes and capacities obtained from CATERPILLAR PERFORMANCE HANDBOOK, ED 34; Section 12, Wheel Loader and Section 4, Excavators. Bucket capacity and width dictated by material weight and configuration, i.e. shot, loose, light bank, stockpile, rock, etc. Typical Nevada applications were used to determine above bucket capacities as related to materials & densities. Job site specifics may alter specific bucket requirements (Cashman Equipment, Elko, Nevada - February 21, 2005)

Nevada Standardized Bond Calculation Productivity

Drill Hole Plugging Productivity

Drill Hole Plugging Productivity		
Description	Drill Rig	Pump Rig
Move-to-hole, set-up, tear-down	1.5 hr	1.5 hr
Pulling casing (threaded, not cemented)	80 f/hr	
Single-pass perforating (water wells)		
4-inch	240 f/hr	
6-inch	240 f/hr	
8-inch	200 f/hr	
12-inch	150 f/hr	
18-inch	40 f/hr	
Perforation setup, trip in/out, tear-down (in	1.0 hr	
Perforation (rod cost (wear cost))	\$1.25 ft	
Inert Material Placement (bedfill)		
Grouting/Cement		5.33 cy/hr
Cuttings (see below)		3.50 cy/hr
Sources: WDC Exploration, Dec 2005		
Cuttings Placement Productivity		
SHA productivity (Means 02210-700-0120; Crew B11M)		28 cy / shift
Shift length		8 hours
Estimated Hourly Productivity		3.5 cy / hour