

Tyrone Operations
P.O. Drawer 571
Tyrone, NM 88065

December 23, 2009

Certified Mail #70083230000136702961

Return Receipt Requested

Mr. Bill Brancard, Director
Mining and Minerals Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Dear Mr. Brancard:

Re: Tyrone Mine Financial Assurance Reduction
Request for Modification of Permit No. GR010RE, Revision 01-1

Freeport McMoRan Tyrone Inc. (Tyrone) requests a partial release of financial assurance pursuant to 19.10.12.1210 NMAC and a modification of Mining Act Permit GR010RE Revision 01-1 to reduce the amount of financial assurance required for implementation of the closeout plan. Tyrone specifically requests that the financial assurance be reduced for work completed on the No. 1 Stockpile (See Figure 1).

Tyrone requests that the financial assurance be reduced by a total of **\$2,430,592** (2003 dollars) or **\$2,204,526** (net present value, NPV) to account for reclamation work completed to date on the above referenced project. The distribution of the reduction request to the three projects is presented in the table below (all values in 2003 dollars).

Facility	Total Amount in Financial Assurance	Requested Amount of Reduction in Financial Assurance	Remaining Amount
No. 1 Stockpile	\$2,742,197	\$2,430,592	\$311,605

The numbers above reflect the current financial assurance cost estimate in 2003 dollars to complete the specific reclamation project listed. The third column of the table represents the portion of financial assurance that Tyrone desires be released from financial assurance at this time. The current dollar amount was assumed to be distributed over a 13 year period in the closure cost cash flow to yield the NPV of this project in the amount of \$2,204,526. New Mexico gross receipts taxes are not included in these amounts.

This application includes all the information required by the New Mexico Mining Act regulations for a request to release financial assurance. Attachments are provided that contain the following information:

Attachment A: Approved Financial Assurance Cash Flow and NPV Calculation dated December 8, 2009. This is the most recent financial assurance estimate and was used as the starting basis for the calculations

of NPV for the reductions presented herein. This cash flow and NPV calculation have been reviewed by the Mining and Minerals Division (MMD) and the New Mexico Environment Department (NMED).

Attachment B: Financial Assurance Current Dollar Reduction Cost Estimate. This is the approved financial assurance estimate that provided the present day (2003) cost estimate that was used in the closeout cash flow for Attachment A and is the source of the direct cost present day estimates for the project listed above. The calculation of this request for financial assurance release (in 2003 dollars) is summarized in the last tab of this spreadsheet.

Attachment C: Proposed Modifications to Financial Assurance Cash Flow and NPV Calculation. This attachment provides the calculation of the amount that Tyrone requests be released at this time for comparison with the currently approved financial assurance (Attachment A). A calculation showing the net present value reduction (as compared to Attachment A) and the proposed method to cash flow the overall reduction are provided in Attachment C.

Attachments D: Present Day (2003) Financial Assurance Cost Estimate for each of the projects listed above (respectively). These attachments contain information to help the reviewer understand the scope of work that has been completed in 2009 (including acres reclaimed and other pertinent construction facts) and relate the work completed to the approved financial assurance raw dollar costs contained in Attachment B. This attachment includes the following key sections: 1) Project Completion Facts; 2) Map(s) of Project Area and Photos of Completed Project Work; 3) Calculation of Financial Assurance Amount Corresponding to Completed Scope in 2003 Dollars (direct and indirect costs referenced to Attachment B; 4) Summary of Remaining Financial Assurance amount if release is approved.

Attachment E: Public Notice Documentation. The list of individuals that Tyrone provided the public notice to via certified mail is provided in this attachment with an example copy of the notice letter. The list includes landowners of record within ½ mile of the property, state and federal agencies, local municipalities and interested parties. Also included in this attachment are affidavits documenting that the public notice for this application was published in the Silver City Daily Press on December 16, 2009. The list of public areas where the notice was posted is also provided. These notices were provided in accordance with 19.10.12.1210 A (3), 19.10.902 and 19.10.903 NMAC.

Attachment F: Electronic Copy of Application Materials (provided on CD).

The estimate of total remaining closure/closeout work at Tyrone required for financial assurance is \$337,606,062 (current dollars) and \$185,559,631 (NPV). These amounts exclude the values for the Copper Mountain South Pit Expansion. With the Copper Mountain South Pit financial assurance obligation included, the remaining financial assurance required amount would be \$185,730,505 if this application is approved with no changes. The remaining financial assurance and project scope for the project area for which release is requested is presented in Attachments D. The total financial assurance remaining includes the cost estimated by the State to meet all other closeout requirements in GR010RE Revision 01-1.

Tyrone looks forward to the Director scheduling the required inspection of the closeout measures completed in relation to this application.

Proposal to Modify Financial Assurance Instruments

An overview of the current Tyrone financial assurance and the instruments by which it has been implemented is provided in the Tyrone Mining Act Permit GR010RE Revision 01-1. Financial assurance for Tyrone Mine closure/closeout is in place in the form of a cash trust (balance of \$36,011,295 as of November 30, 2009; \$27,000,000 of the cash trust was deposited in accordance with the terms of Permit GR010RE and the rest is interest), a third party guarantee issued by Freeport McMoRan Copper and Gold, Inc. in the amount of \$101,031,653 will be required upon approval of the release request for 2008, letter of credit (LOC of \$170,874 for Copper Mountain South Pit financial assurance) and collateral instruments (\$27,951,986) for a total of \$196,946,326. This amount exceeds the amount that will be required upon approval of the 2008 release request which is \$187,935,031 (including the Copper Mountain South Pit obligation).

Tyrone requests that the State agencies approve the following instruments and amounts for each to incorporate this reduction of financial assurance.

Instrument	Dollar Amount (not including interest)
Third Party Guarantee	\$98,827,127
Cash Trust - Tyrone Contributions	\$27,000,000
Collateral	\$27,951,986
Surety Bonds	\$31,780,518
Letter of Credit (Copper Mountain)	\$170,874
Total	\$185,730,505

In this proposal, all of the reduction is taken out of the third party guarantee. No change is proposed to the collateral instruments and the cash trust would continue to increase due to earnings. Tyrone is not requesting a reduction to the guarantee to reflect earnings on the trust fund at this time, but reserves the right to request such a reduction in the future. Also, we are not requesting a partial release of amounts for completed additional studies but reserve the right to make this request in the future.

Proposed Permit GR010RE Modifications

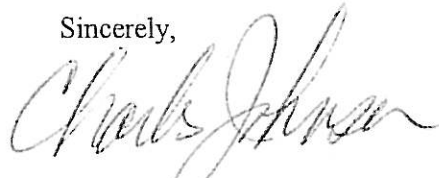
Tyrone requests that Permit GR010RE Revision 01-1 be modified as follows and in all areas where specific financial assurance numbers are called out.

Introductory Paragraph and Financial Assurance Table as well as Section 9 – the new required amount of financial assurance should be changed from \$187,935,031 to \$185,730,505 and the respective instrument amounts should reflect the table above.

A check in the amount of \$1000.00 accompanies this application. Tyrone appreciates your consideration of these issues. Please contact Chuck Johnson at (575)574-6359 or charles_johnson2@fmi.com if you require any additional information.

Mr. Bill Brancard
December 23, 2009
Page 4

Sincerely,


for Timothy E. Eastep, Manager
Environment, Land & Water

TEE:cj
Attachments
20091221-100

- c. David Ohoi
Bill Olson (w/o attachments)
Clint Marshall (w/o attachments)

Attachment A

Approved Financial Assurance Cash Flow
and NPV Calculation
December 8, 2009



State of New Mexico
ENERGY, MINERALS and NATURAL RESOURCES
DEPARTMENT
ENVIRONMENT DEPARTMENT

Bill Richardson
GOVERNOR

Joanna Prukop
SECRETARY

Ron Curry
SECRETARY

MINE CLOSURE FINANCIAL ASSURANCE SUMMARY

DRAFT - Tyrone Proposal for financial assurance

Permit	DP-1341& GR010RE
Facility	Tyrone Mine
Operator	Freeport-McMoRan Tyrone Inc.
Address	P.O. Drawer 571 Tyrone, NM 88065
Contact	Tom Shelley 575.538.7173
Closure Cost (Current Dollars)	\$ 340,036,657
Required Financial Assurance (NPV)	\$ 187,764,157

NEW MEXICO ED and MMD

DP-1341 & GR010RE Tyrone Mine Closure Financial Assurance

(From Table 9.1, AR DP-1341 A-308; NOTE: Current (2003) Cash flow reflecting Tyrone's proposal to reduce financial assurance for work completed by end of 2008)

Year	Earthwork	Reveg	Plant	Treatment	Maintenance	Total
1	3015932	0	18568573	6409000	0	27993505
2	3854300	20153	0	5319500	221000	9415352.7
3	9924220	60114	0	4206100	221000	14411435
4	9924220	64332	0	3603400	221000	13832953
5	9924220	109694	0	2889700	221000	13144615
6	9924220	148223	0	1978800	221000	12272243
7	9924220	182581	0	1852700	221000	12280502
8	9924220	182581	0	1922800	221000	12250602
9	9924220	200535	0	1891200	221000	12236955
10	9924220	235421	0	1869500	221000	12250142
11	9924220	235421	0	1842500	221000	12223141
12	9924220	235421	0	1815000	221000	12195642
13	9924220	263272	0	1792400	221000	12200893
14	704229	262274	0	1771500	221000	2959003
15	0	238289	0	1749300	221000	2208589.7
16	0	230463	0	1726100	221000	2177564.1
17	0	205101	0	1712800	221000	2138901.4
18	0	166573	0	1690500	221000	2078073
19	0	132213	0	1685100	221000	2038313.1
20	0	132213	0	1671200	221000	2024413.9
21	0	114261	0	1665700	221000	2000961.1
22	0	79373	0	1627400	221000	1927774.1
23	0	79373	0	1625300	221000	1925674.2
24	0	79373	0	1616000	221000	1916373.8
25	0	51522	0	1613900	221000	1886422.7
26	0	32368	0	1609400	221000	1862767.6
27	0	16391	0	1609400	221000	1846791.3
28	0	0	0	1600300	221000	1821299.9
29	0	0	0	1598100	221000	1819100.8
30	0	0	0	1595600	221000	1816600.1
31	0	0	0	1595600	221000	1816600.1
32	0	0	0	1593500	221000	1814500.2
33	0	0	0	1584400	221000	1805400.1
34	0	0	0	1584400	221000	1805400.1
35	0	0	0	1582000	221000	1803000.6
36	0	0	0	1582000	221000	1803000.6
37	0	0	0	1578600	221000	1799600.2
38	0	0	0	1578600	221000	1799600.2
39	0	0	0	1577100	221000	1798100.4
40	0	0	0	1577100	221000	1798100.4
41	0	0	608178	1568500	221000	2397678
42	0	0	0	1568500	221000	1789500.3
43	0	0	0	1568500	221000	1789500.3
44	0	0	0	1566100	221000	1787100.8
45	0	0	0	1566100	221000	1787100.8
46	0	0	0	1563800	221000	1784800.5
47	0	0	0	1563800	221000	1784800.5
48	0	0	0	1563800	221000	1784800.5
49	0	0	0	1561400	221000	1782400
50	0	0	0	1561400	221000	1782400
51	0	0	1566700	1561400	221000	3339099.8
52	0	0	0	1552700	221000	1773700.6
53	0	0	0	1552700	221000	1773700.6
54	0	0	0	1552700	221000	1773700.6
55	0	0	0	1550300	221000	1771300.2
56	0	0	0	1550300	221000	1771300.2
57	0	0	0	1550300	221000	1771300.2
58	0	0	0	1550300	221000	1771300.2
59	0	0	0	1547900	221000	1768900.6
60	0	0	0	1547900	221000	1768900.6
61	0	0	0	1547900	221000	1768900.6
62	0	0	0	1547900	221000	1768900.6
63	0	0	0	1545400	221000	1766400
64	0	0	0	1545400	221000	1766400
65	0	0	0	1545400	221000	1766400
66	0	0	0	1545400	221000	1766400
67	0	0	0	1536800	221000	1757800.8
68	0	0	0	1536800	221000	1757800.8
69	0	0	0	1536800	221000	1757800.8
70	0	0	0	1536800	221000	1757800.8
71	0	0	0	1536800	221000	1757800.8
72	0	0	0	1534300	221000	1755300.2
73	0	0	0	1534300	221000	1755300.2
74	0	0	0	1534300	221000	1755300.2
75	0	0	0	1534300	221000	1755300.2
76	0	0	0	1534300	221000	1755300.2
77	0	0	0	1534300	221000	1755300.2
78	0	0	0	1534300	221000	1755300.2
79	0	0	0	1531900	221000	1752900.6
80	0	0	0	1531900	221000	1752900.6
81	0	0	608178	1531900	221000	2361078.3

NEW MEXICO ED and MMD

DP-1341 & GR010RE Tyrone Mine Closure Financial Assurance

(From Table 9.1, AR DP-1341 A-308; NOTE: Current (2003) Cash flow reflecting Tyrone's proposal to reduce financial assurance for work completed by end of 2008)

Year	Earthwork	Reveg	Plant	Treatment	Maintenance	Total
82	0	0	0	1531900	221000	1752900.6
83	0	0	0	1531900	221000	1752900.6
84	0	0	0	1531900	221000	1752900.6
85	0	0	0	1531900	221000	1752900.6
86	0	0	0	1531900	221000	1752900.6
87	0	0	0	1531900	221000	1752900.6
88	0	0	0	1529500	221000	1750500.2
89	0	0	0	1529500	221000	1750500.2
90	0	0	0	1529500	221000	1750500.2
91	0	0	0	1529500	221000	1750500.2
92	0	0	0	1529500	221000	1750500.2
93	0	0	0	1529500	221000	1750500.2
94	0	0	0	1529500	221000	1750500.2
95	0	0	0	1529500	221000	1750500.2
96	0	0	0	1529500	221000	1750500.2
97	0	0	0	1529500	221000	1750500.2
98	0	0	0	1529500	221000	1750500.2
99	0	0	0	1529500	221000	1750500.2
100	0	0	0	1529500	221000	1750500.2
Total	116740883	3777538	21341627.88	174034402	21879035.1	337773486

NEW MEXICO ED & MMD

DP-1341 E. GREGG Tyrona Mine Closure Financial Assurance. NOTE: Reflects Tyrona's proposal to reduce financial assurance for work completed through 2000 on four project areas

	Yr 1-12	Yr 13-100
Escalation Rate	Discount Rate	Discount Rate
Earth	3.50%	8.00%
Water	3.17%	8.00%

Component	Current Cost	NPV
Earthwork	\$142,397,456	\$112,633,258
Water Treatment	\$165,376,030	\$72,807,710
Additional Studies	\$2,263,170	\$2,263,170
Added Rec Cost	\$0	\$0
Total	\$340,036,657	\$187,704,138

Year	Earthwork Current Cost	Earthwork NPV	Water Treatment Current Cost	Water Treatment NPV
1	3,015,633	3,015,633	24,977,573	24,977,573
2	4,095,453	4,042,407	5,319,900	5,227,162
3	10,295,334	9,942,600	4,296,100	4,060,785
4	10,229,553	9,837,168	3,693,400	3,416,259
5	10,254,915	9,733,846	2,899,700	2,663,452
6	10,253,443	9,643,857	1,976,800	1,812,265
7	10,227,802	9,560,729	1,952,700	1,757,187
8	10,327,802	9,427,025	1,922,800	1,700,134
9	10,345,755	9,321,098	1,891,200	1,643,040
10	10,380,642	9,231,391	1,869,500	1,595,806
11	10,380,642	9,111,823	1,842,500	1,545,428
12	10,380,642	8,993,803	1,815,000	1,495,830
13	10,406,493	8,347,923	1,792,400	1,036,121
14	1,167,503	694,998	1,771,500	977,295
15	459,290	257,051	1,746,300	921,801
16	451,464	243,323	1,726,100	868,963
17	367,573	220,378	1,712,600	823,724
18	353,213	192,359	1,690,500	778,640
19	353,213	188,200	1,685,100	739,537
20	353,213	181,429	1,671,200	700,636
21	335,261	147,047	1,665,700	667,099
22	300,374	126,427	1,627,400	622,612
23	300,374	121,321	1,625,300	594,000
24	300,374	116,425	1,616,000	564,188
25	272,523	101,395	1,613,900	539,256
26	253,398	90,439	1,606,400	512,750
27	237,302	81,313	1,608,400	489,816
28	221,000	72,643	1,600,300	465,267
29	221,000	69,710	1,598,100	443,849
30	221,000	65,095	1,595,600	423,335
31	221,000	64,185	1,586,600	404,403
32	221,000	61,004	1,583,500	385,809
33	221,000	59,117	1,584,400	369,450
34	221,000	56,730	1,584,400	350,061
35	221,000	54,440	1,582,000	333,896
36	221,000	52,242	1,582,000	318,967
37	221,000	50,133	1,576,500	304,047
38	221,000	48,109	1,570,600	290,449
39	221,000	46,167	1,577,100	277,166
40	221,000	44,303	1,577,100	264,769
41	221,000	42,515	2,176,678	348,125
42	221,000	40,780	1,580,500	240,326
43	221,000	39,151	1,580,500	229,578
44	221,000	37,571	1,566,100	218,975
45	221,000	36,054	1,566,100	209,182
46	221,000	34,595	1,563,600	199,534
47	221,000	33,292	1,563,600	190,610
48	221,000	31,881	1,563,600	182,008
49	221,000	30,575	1,561,400	173,975
50	221,000	29,341	1,561,400	165,908
51	221,000	28,156	3,118,099	318,500
52	221,000	27,020	1,552,700	160,557
53	221,000	25,829	1,552,700	143,824
54	221,000	24,682	1,552,700	137,362
55	221,000	23,678	1,550,300	131,044
56	221,000	22,914	1,550,300	125,184
57	221,000	21,969	1,550,300	119,585
58	221,000	21,101	1,550,300	114,237
59	221,000	20,249	1,547,600	108,969
60	221,000	19,432	1,547,600	104,088
61	221,000	18,647	1,547,600	99,431
62	221,000	17,894	1,547,600	94,985
63	221,000	17,172	1,545,400	90,590
64	221,000	16,479	1,545,400	86,530
65	221,000	15,813	1,545,400	82,666
66	221,000	15,175	1,545,400	78,971
67	221,000	14,562	1,536,600	75,020
68	221,000	13,975	1,536,600	71,665
69	221,000	13,410	1,536,600	68,460
70	221,000	12,869	1,536,600	65,308
71	221,000	12,349	1,536,600	62,473
72	221,000	11,851	1,534,300	59,582
73	221,000	11,372	1,534,300	56,918
74	221,000	10,913	1,534,300	54,372
75	221,000	10,473	1,534,300	51,941
76	221,000	10,050	1,534,300	49,618
77	221,000	9,644	1,534,300	47,399
78	221,000	9,255	1,534,300	45,279
79	221,000	8,881	1,531,900	43,188
80	221,000	8,523	1,531,900	41,255
81	221,000	8,179	2,140,078	55,058
82	221,000	7,849	1,531,900	37,847
83	221,000	7,532	1,531,900	35,964
84	221,000	7,228	1,531,900	34,355
85	221,000	6,936	1,531,900	32,819
86	221,000	6,656	1,531,900	31,351
87	221,000	6,387	1,531,900	29,949
88	221,000	6,129	1,529,500	28,585
89	221,000	5,882	1,529,500	27,267
90	221,000	5,644	1,526,500	26,097
91	221,000	5,417	1,526,500	24,901
92	221,000	5,199	1,526,500	23,785
93	221,000	4,988	1,526,500	22,724
94	221,000	4,787	1,526,500	21,707
95	221,000	4,593	1,526,500	20,737
96	221,000	4,406	1,526,500	19,809
97	221,000	4,230	1,526,500	18,923
98	221,000	4,059	1,526,500	18,077
99	221,000	3,895	1,526,500	17,269
100	221,000	3,738	1,526,500	16,466
Total	142,397,456	112,633,258	165,376,030	72,807,710

Attachment B

Financial Assurance Current Dollar Reduction Cost Estimate

BOND AMOUNT CALCULATION
New Mexico Mining and Minerals Division
General Information

Tyrone Mine

5/10/02

Applicant	Freeport-McMoRan Tyrone Inc. Tyrone, NM	Contact: Tom Shelley 575/538-7173
Permit Number	GR010RE	
Surface Area Permitted	~32,000 acres	
Disturbed Surface Area	~9,000 acres	
Type of Operation	Existing/Surface/Copper	
Location	Tyrone	
Prepared by:	Brian K. Johnson, P.E.	NMED Life-of-Mine Case (2008) 3.0:1 Inter-Bench Out slopes
Assisted by:	Michael Thompson, E.I.T.	
Recommended MMD Bond	\$219,821,223	

Summary Calculation of Earthmoving Costs

Equipment Type	Task	Location 1	Location 2	Owning and Operating Cost (\$/hr)	Labor Cost (\$/hr)	Time Req'd (hrs)	Total Cost (\$)	Total Production	Prod. Unit
Stockpiles Area									
Dozers-Earthmoving									
D11N	Pushdown existing outcrops	No. 1 SP	Segment 1	219.43	25.00	95	23,148	43,796	cy
D11N	Pushdown existing outcrops	No. 1 SP	Segment 2	219.43	25.00	733	179,075	372,037	cy
D11N	Pushdown existing outcrops	No. 1 SP	Segment 3	219.43	25.00	185	45,174	100,556	cy
D11N	Pushdown existing outcrops	No. 1 SP	Segment 4	219.43	25.00	29	7,000	22,333	cy
D11N	Pushdown existing outcrops	No. 1 SP	Segment 5	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	No. 1A SP	Segment 1	219.43	25.00	2,204	538,682	479,630	cy
D11N	Pushdown existing outcrops	No. 1A SP	Segment 2	219.43	25.00	2,610	637,927	482,796	cy
D11N	Pushdown existing outcrops	No. 1A SP	Segment 3	219.43	25.00	279	68,136	80,889	cy
D11N	Pushdown existing outcrops	No. 1A SP	Segment 4	219.43	25.00	394	96,267	90,000	cy
D11N	Pushdown existing outcrops	No. 1A SP	Segment 5	219.43	25.00	617	150,819	156,667	cy
	0 vacant		0	0	219.43	25.00	0	0	0 cy
	0 vacant		0	0	219.43	25.00	0	0	0 cy
	0 vacant		0	0	219.43	25.00	0	0	0 cy
	0 vacant		0	0	219.43	25.00	0	0	0 cy
	0 vacant		0	0	219.43	25.00	0	0	0 cy
	0 vacant		0	0	219.43	25.00	0	0	0 cy
	0 vacant		0	0	219.43	25.00	0	0	0 cy
D11N	Pushdown existing outcrops	No. 1B SP	Segment 1	219.43	25.00	246	60,020	191,494	cy
D11N	Pushdown existing outcrops	No. 1B SP	Segment 2	219.43	25.00	1,453	355,130	350,455	cy
D11N	Pushdown existing outcrops	No. 1B SP	Segment 3	219.43	25.00	2,132	521,054	394,344	cy
D11N	Pushdown existing outcrops	No. 1B SP	Segment 4	219.43	25.00	1,009	246,742	292,924	cy
D11N	Pushdown existing outcrops	No. 1B SP	Segment 5	219.43	25.00	1,171	286,280	382,345	cy
D11N	Pushdown existing outcrops	No. 1B SP	Segment 6	219.43	25.00	133	32,407	103,395	cy
D11N	Pushdown existing outcrops	No. 1C SP	Segment 1	219.43	25.00	31	7,652	19,872	cy
D11N	Pushdown existing outcrops	No. 1C SP	Segment 2	219.43	25.00	409	99,933	189,078	cy
D11N	Pushdown existing outcrops	No. 1C SP	Segment 3	219.43	25.00	95	23,199	60,247	cy
D11N	Pushdown existing outcrops	No. 1C SP	Segment 4	219.43	25.00	1,064	259,958	414,701	cy
D11N	Pushdown existing outcrops	No. 1C SP	Segment 5	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	No. 1C SP	Segment 6	219.43	25.00	9,959	2,434,285	1,625,573	cy
D11N	Pushdown existing outcrops	No. 1C SP	Segment 7	219.43	25.00	1,790	437,581	409,092	cy
D11N	Pushdown existing outcrops	No. 1C SP	Segment 8	219.43	25.00	9,397	2,296,936	1,533,854	cy
D11N	Pullback: pioneer benching	No. 1C SP	Segment 9	219.43	25.00	0	0	40,278	cy
D11N	Pullback: pioneer benching	No. 1C SP	Segment 10	219.43	25.00	0	0	60,185	cy
D11N	Pullback: pioneer benching	No. 1C SP	Segment 11	219.43	25.00	0	0	42,130	cy
	0 vacant		0	0	219.43	25.00	0	0	0 cy
	0 vacant		0	0	219.43	25.00	0	0	0 cy
	0 vacant		0	0	219.43	25.00	0	0	0 cy
	0 vacant		0	0	219.43	25.00	0	0	0 cy

Attachment B - Table 2 - Tab "13...Earthsum" - Color Coding of Original Earthwork Estimates to Show Each Cost Component Proposed for Reduction in 2009
 BOND AMOUNT CALCULATION

New Mexico Mining and Minerals Division
 Summary Calculation of Earthmoving Costs

Wo

Equipment Type	Task	Location 1	Location 2	Owning and Operating Cost (\$/hr)	Labor Cost (\$/hr)	Time Req'd (hrs)	Total Cost (\$)	Total Production	Prod. Unit
D11N	Pushdown existing outcrops	No. 1D SP	Segment 1	219.43	25.00	3,322	811,982	1,295,321	cy
D11N	Pushdown existing outcrops	No. 1D SP	Segment 2	219.43	25.00	3,628	886,906	980,520	cy
D11N	Pushdown existing outcrops	No. 1D SP	Segment 3	219.43	25.00	1,933	472,382	441,628	cy
D11N	Pushdown existing outcrops	No. 1D SP	Segment 4	219.43	25.00	2,209	539,886	721,053	cy
D11N	Pushdown existing outcrops	No. 1D SP	Segment 5	219.43	25.00	1,004	245,340	345,871	cy
D11N	Pushdown existing outcrops	No. 1D SP	Segment 6	219.43	25.00	71	17,408	55,542	cy
D11N	Pushdown existing outcrops	No. 1D SP	Segment 7	219.43	25.00	15	3,700	11,806	cy
D11N	Pushdown existing outcrops	No. 1D SP	Segment 8	219.43	25.00	236	57,632	128,285	cy
D11N	Pushdown existing outcrops	No. 1D SP	Segment 9	219.43	25.00	5	1,112	3,549	cy
D11N	Pushdown existing outcrops	No. 1D SP	Segment 10	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	No. 1D SP	Segment 11	219.43	25.00	118	28,769	68,307	cy
D11N	Pushdown existing outcrops	No. 1D SP	Segment 12	219.43	25.00	151	37,023	87,905	cy
D11N	Pushdown existing outcrops	No. 1D SP	Segment 13	219.43	25.00	407	99,504	188,267	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 1	219.43	25.00	31	7,618	24,306	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 2	219.43	25.00	100	24,341	54,181	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 3	219.43	25.00	88	21,466	66,896	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 4	219.43	25.00	1,328	324,491	486,347	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 5	219.43	25.00	365	89,280	142,424	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 6	219.43	25.00	33	8,052	25,092	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 7	219.43	25.00	32	7,926	25,288	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 8	219.43	25.00	726	177,405	226,405	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 9	219.43	25.00	163	39,891	103,594	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 10	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 11	219.43	25.00	79	19,190	61,227	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 12	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	No. 2 SP	Segment 13	219.43	25.00	590	144,186	272,808	cy
D11N	Pushdown existing outcrops	No. 2A SP	Segment 1	219.43	25.00	6,420	1,569,321	1,187,694	cy
D11N	Pushdown existing outcrops	No. 2A SP	Segment 2	219.43	25.00	6,892	1,684,568	1,374,908	cy
D11N	Pushdown existing outcrops	No. 2A SP	Segment 3	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	No. 2A SP	Segment 4	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	No. 2A SP	Segment 5	219.43	25.00	498	121,751	388,450	cy
D11N	Pushdown existing outcrops	No. 2A SP	Segment 6	219.43	25.00	1,150	281,141	396,342	cy
D11N	Pushdown existing outcrops	No. 2A SP	Segment 7	219.43	25.00	28,469	6,958,610	3,356,051	cy
D11N	Pushdown existing outcrops	No. 2A SP	Segment 8	219.43	25.00	3,698	903,900	804,812	cy
D11N	Pushdown existing outcrops	No. 2A SP	Segment 9	219.43	25.00	9,348	2,284,907	1,474,961	cy
D11N	Pushdown existing outcrops	No. 2A SP	Segment 10	219.43	25.00	6,269	1,532,327	1,364,348	cy
	0 vacant		0	0	219.43	25.00	0	0	cy
	0 vacant		0	0	219.43	25.00	0	0	cy
	0 vacant		0	0	219.43	25.00	0	0	cy
D11N	Pushdown existing outcrops	No. 2A SP	Segment 11	219.43	25.00	3,945	964,378	1,230,746	cy

Attachment B - Table 2 - Tab "13...Earthsum" - Color Coding of Original Earthwork Estimates to Show Each Cost Component Proposed for Reduction in 2009
BOND AMOUNT CALCULATION

New Mexico Mining and Minerals Division

Wc

Summary Calculation of Earthmoving Costs

Equipment Type	Task	Location 1	Location 2	Owning and Operating Cost (\$/hr)	Labor Cost (\$/hr)	Time Req'd (hrs)	Total Cost (\$)	Total Production	Prod. Unit
D11N	Pushdown existing outcrops	No. 2A SP	Segment 12	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	No. 3 SP	Segment 1	219.43	25.00	8,162	1,994,932	2,205,500	cy
D11N	Pushdown existing outcrops	No. 3 SP	Segment 2	219.43	25.00	27,113	6,627,343	4,425,625	cy
D11N	Pushdown existing outcrops	No. 3 SP	Segment 3	219.43	25.00	10,065	2,460,207	2,007,969	cy
D11N	Pushdown existing outcrops	No. 3 SP	Segment 4	219.43	25.00	1,110	271,256	382,407	cy
D11N	Pushdown existing outcrops	No. 3 SP	Segment 5	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	No. 3 SP	Segment 6	219.43	25.00	36	8,880	28,333	cy
D11N	Pushdown existing outcrops	No. 3 SP	Segment 7	219.43	25.00	482	117,854	279,825	cy
D11N	Pushdown existing outcrops	No. 3B SP	Segment 1	219.43	25.00	813	198,791	297,948	cy
D11N	Pushdown existing outcrops	No. 3B SP	Segment 2	219.43	25.00	56	13,685	30,462	cy
D11N	Pushdown existing outcrops	No. 3B SP	Segment 3	219.43	25.00	672	164,296	341,333	cy
D11N	Pushdown existing outcrops	No. 3B SP	Segment 4	219.43	25.00	516	126,014	280,500	cy
D11N	Pushdown existing outcrops	No. 3B SP	Segment 5	219.43	25.00	161	39,420	125,771	cy
D11N	Pushdown existing outcrops	No. 3B SP	Segment 6	219.43	25.00	9,018	2,204,169	1,717,224	cy
D11N	Pushdown existing outcrops	No. 9A SP	All Segments	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	Main Pit SP	Segment 1	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	Main Pit SP	Segment 2	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	Main Pit SP	Segment 3	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	Gettysburg In-Pit SP	All Segments	219.43	25.00	0	0	0	cy
D11N	Pushdown existing outcrops	Gettysburg Out-Pit SP	Segment 1	219.43	25.00	204	49,865	129,496	cy
D11N	Pushdown existing outcrops	East Main Pit SP	Segment 1	219.43	25.00	1,220	298,151	951,257	cy
D11N	Pushdown existing outcrops	Savanna Stockpile	Segment 1	219.43	25.00	138	33,671	107,429	cy
D11N	Pushdown existing outcrops	Savanna Stockpile	Segment 2	219.43	25.00	280	68,376	218,156	cy
D11N	Pushdown existing outcrops	Raffinate Tanks OB SP	Segment 1	219.43	25.00	15	3,718	11,861	cy
Dozers-Grading									
D11N	Grade existing surface	No. 1 SP	top	219.43	25.00	19	4,534	103.7	ac
D11N	Grade existing surface	No. 1A SP	top	219.43	25.00	3	632	14.4	ac
D11N	Grade existing surface	No. 1B SP	top	219.43	25.00	9	2,203	50.4	ac
D11N	Grade existing surface	No. 1C SP	top	219.43	25.00	29	6,980	159.6	ac
D11N	Grade existing surface	No. 1D SP	top	219.43	25.00	9	2,214	50.6	ac
D11N	Grade existing surface	No. 2 SP	top	219.43	25.00	81	19,772	452.2	ac
D11N	Grade existing surface	No. 2A SP	top	219.43	25.00	15	3,558	81.4	ac
D11N	Grade existing surface	No. 3 SP	top	219.43	25.00	5	1,199	27.4	ac
D11N	Grade existing surface	No. 3B SP	top	219.43	25.00	16	4,016	91.9	ac
D11N	Grade existing surface	No. 9A SP	top	219.43	25.00	0	0	0.0	ac
D11N	Grade existing surface	Main Pit SP	top	219.43	25.00	0	0	0.0	ac
D11N	Grade existing surface	Gettysburg In-Pit SP	top	219.43	25.00	0	0	0.0	ac
D11N	Grade existing surface	Gettysburg Out-Pit SP	top	219.43	25.00	15	3,629	83.0	ac
D11N	Grade existing surface	East Main Pit SP	top	219.43	25.00	0	120	2.8	ac

New Mexico Mining and Minerals Division
 Summary Calculation of Earthmoving Costs

Wo

Equipment Type	Task	Location 1	Location 2	Owning and Operating Cost (\$/hr)	Labor Cost (\$/hr)	Time Req'd (hrs)	Total Cost (\$)	Total Production	Prod Unit
D11N	Grade existing surface	Savanna Stockpile	top	219.43	25.00	0	87	2.0	ac
D11N	Grade existing surface	USNR Stockpile	top	219.43	25.00	1	306	7.0	ac
D11N	Grade existing surface	Raffinate Tanks OB SP	top	219.43	25.00	1	306	7.0	ac
D11N	Grade GC material	No. 1 SP	top	219.43	25.00	11	2,789	103.7	ac
D11N	Grade GC material	No. 1A SP	top	219.43	25.00	2	389	14.4	ac
D11N	Grade GC material	No. 1B SP	top	219.43	25.00	6	1,355	50.4	ac
D11N	Grade GC material	No. 1C SP	top	219.43	25.00	18	4,294	159.6	ac
D11N	Grade GC material	No. 1D SP	top	219.43	25.00	6	1,362	50.6	ac
D11N	Grade GC material	No. 2 SP	top	219.43	25.00	50	12,163	452.2	ac
D11N	Grade GC material	No. 2A SP	top	219.43	25.00	9	2,189	81.4	ac
D11N	Grade GC material	No. 3 SP	top	219.43	25.00	3	737	27.4	ac
D11N	Grade GC material	No. 3B SP	top	219.43	25.00	10	2,471	91.9	ac
D11N	Grade GC material	No. 9A SP	top	219.43	25.00	0	0	0.0	ac
D11N	Grade GC material	Main Pit SP	top	219.43	25.00	0	0	0.0	ac
D11N	Grade GC material	Gettysburg In-Pit SP	top	219.43	25.00	0	0	0.0	ac
D11N	Grade GC material	Gettysburg Out-Pit SP	top	219.43	25.00	9	2,232	83.0	ac
D11N	Grade GC material	East Main Pit SP	top	219.43	25.00	0	74	2.8	ac
D11N	Grade GC material	Savanna Stockpile	top	219.43	25.00	0	54	2.0	ac
D11N	Grade GC material	USNR Stockpile	top	219.43	25.00	1	188	7.0	ac
D11N	Grade GC material	Raffinate Tanks OB SP	top	219.43	25.00	1	188	7.0	ac
D11N	Grade GC material	No. 1 SP	outslopes	219.43	25.00	6	1,491	77.6	ac
D11N	Grade GC material	No. 1A SP	outslopes	219.43	25.00	5	1,174	61.1	ac
D11N	Grade GC material	No. 1B SP	outslopes	219.43	25.00	12	3,009	156.6	ac
D11N	Grade GC material	No. 1C SP	outslopes	219.43	25.00	12	2,958	154.0	ac
D11N	Grade GC material	No. 1D SP	outslopes	219.43	25.00	19	4,528	235.7	ac
D11N	Grade GC material	No. 2 SP	outslopes	219.43	25.00	12	3,019	157.2	ac
D11N	Grade GC material	No. 2A SP	outslopes	219.43	25.00	32	7,783	405.1	ac
D11N	Grade GC material	No. 3 SP	outslopes	219.43	25.00	24	5,901	307.1	ac
D11N	Grade GC material	No. 3B SP	outslopes	219.43	25.00	4	1,052	54.8	ac
D11N	Grade GC material	No. 9A SP	outslopes	219.43	25.00	0	0	0.0	ac
D11N	Grade GC material	Main Pit SP	outslopes	219.43	25.00	0	0	0.0	ac
D11N	Grade GC material	Gettysburg In-Pit SP	outslopes	219.43	25.00	0	0	0.0	ac
D11N	Grade GC material	Gettysburg Out-Pit SP	outslopes	219.43	25.00	1	134	7.0	ac
D11N	Grade GC material	East Main Pit SP	outslopes	219.43	25.00	0	71	3.7	ac
D11N	Grade GC material	Savanna Stockpile	outslopes	219.43	25.00	1	346	18.0	ac
D11N	Grade GC material	USNR Stockpile	outslopes	219.43	25.00	0	0	0.0	ac
D11N	Grade GC material	Raffinate Tanks OB SP	outslopes	219.43	25.00	0	38	2.0	ac
D11N	Grade GC material	Mine Maintenance	at foundations	219.43	25.00	0	0	0.0	ac
D11N	Grade GC material	SX/EW Plant	at foundations	219.43	25.00	0	0	0.0	ac

Equipment Type	Task	Location 1	Location 2	Owning and Operating Cost (\$/hr)	Labor Cost (\$/hr)	Time Req'd (hrs)	Total Cost (\$)	Total Production	Prod. Unit
Rippers									
D11N	Rip existing surface	No. 1 SP	top	245.47	25.00	61	16,449	104	ac
D11N	Rip existing surface	No. 1A SP	top	245.47	25.00	8	2,292	14	ac
D11N	Rip existing surface	No. 1B SP	top	245.47	25.00	30	7,993	50	ac
D11N	Rip existing surface	No. 1C SP	top	245.47	25.00	94	25,325	160	ac
D11N	Rip existing surface	No. 1D SP	top	245.47	25.00	30	8,033	51	ac
D11N	Rip existing surface	No. 2 SP	top	245.47	25.00	265	71,738	452	ac
D11N	Rip existing surface	No. 2A SP	top	245.47	25.00	48	12,910	81	ac
D11N	Rip existing surface	No. 3 SP	top	245.47	25.00	16	4,350	27	ac
D11N	Rip existing surface	No. 3B SP	top	245.47	25.00	54	14,572	92	ac
D11N	Rip existing surface	No. 9A SP	top	245.47	25.00	0	0	0	ac
D11N	Rip existing surface	Main Pit SP	top	245.47	25.00	0	0	0	ac
D11N	Rip existing surface	Gettysburg In-Pit SP	top	245.47	25.00	0	0	0	ac
D11N	Rip existing surface	Gettysburg Out-Pit SP	top	245.47	25.00	49	13,167	83	ac
D11N	Rip existing surface	East Main Pit SP	top	245.47	25.00	2	437	3	ac
D11N	Rip existing surface	Savanna Stockpile	top	245.47	25.00	1	317	2	ac
D11N	Rip existing surface	USNR Stockpile area	top	245.47	25.00	4	1,110	7	ac
D11N	Rip existing surface	Raffinate Tanks OB SP	top	245.47	25.00	4	1,110	7	ac
D11N	Rip existing surface	Haul Roads	all surfaces	245.47	25.00	29	7,932	50	ac
D11N	Rip existing surface	Mine Maintenance	exposed soil	245.47	25.00	0	0	0	ac
D11N	Rip existing surface	SX/EW Plant	exposed soil	245.47	25.00	0	0	0	ac
D11N	Rip existing surface	Reservoirs	all surfaces	245.47	25.00	29	7,932	50	ac
D11N	Rip existing surface	all stockpiles	outslopes	245.47	25.00	NA	0	0	ac
D11N	Rip existing surface	Miscellaneous	all surfaces	245.47	25.00	59	15,864	100	ac
Loaders									
EX3500	Load GC material on trucks	No. 1D SP	No. 1 SP	568.73	25.00	424	251,606	978,578	cy
EX3500	Load GC material on trucks	No. 1 SP borrow area	No. 1 SP	568.73	25.00	12	7,395	30,613	cy
EX3500	Load GC material on trucks	No. 1D SP	No. 1A SP	568.73	25.00	186	110,294	420,419	cy
EX3500	Load GC material on trucks	No. 1D SP	No. 1B SP	568.73	25.00	469	278,341	1,152,268	cy
EX3500	Load GC material on trucks	No. 1D SP	No. 1C SP	568.73	25.00	725	430,204	1,745,414	cy
EX3500	Load GC material on trucks	No. 1D SP	No. 1D SP	568.73	25.00	648	384,932	1,593,530	cy
EX3500	Load GC material on trucks	No. 1D SP	No. 2 SP	568.73	25.00	1,384	821,571	3,391,641	cy
EX3500	Load GC material on trucks	No. 1D SP	No. 2A SP	568.73	25.00	1,168	693,509	2,707,712	cy
EX3500	Load GC material on trucks	No. 1D SP	No. 3 SP	568.73	25.00	806	478,451	1,862,202	cy
EX3500	Load GC material on trucks	No. 1D SP	No. 3B SP	568.73	25.00	357	211,673	816,171	cy
EX3500	Load GC material on trucks	No. 1D SP	No. 9A SP	568.73	25.00	0	0	0	cy
EX3500	Load GC material on trucks	No. 1D SP	Main Pit SP	568.73	25.00	0	0	0	cy
EX3500	Load GC material on trucks	No. 1D SP	Gettysburg In-Pit SP	568.73	25.00	0	0	0	cy
EX3500	Load GC material on trucks	No. 1D SP	Gettysburg Out-Pit SP	568.73	25.00	204	121,007	500,940	cy
EX3500	Load GC material on trucks	No. 1D SP	East Main Pit SP	568.73	25.00	15	9,027	35,778	cy
EX3500	Load GC material on trucks	No. 1D SP	Savanna Stockpile	568.73	25.00	45	26,890	111,320	cy

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 BOND AMOUNT CALCULATION

New Mexico Mining and Minerals Division

Wo

Summary Calculation of Earthmoving Costs

Equipment Type	Task	Location 1	Location 2	Owning and Operating Cost (\$/hr)	Labor Cost (\$/hr)	Time Req'd (hrs)	Total Cost (\$)	Total Production	Prod. Unit
EX3500	Load GC material on trucks	No. 1D SP	USNR Stockpile area	568.73	25.00	0	0	0	cy
EX3500	Load GC material on trucks	No. 1D SP	Raffinate Tanks OB SP	568.73	25.00	20	12,101	50,094	cy
EX3500	Load GC material on trucks	No. 1D SP	Mine Maintenance	568.73	25.00	0	0	0	cy
EX3500	Load GC material on trucks	No. 1D SP	SX/EW Plant	568.73	25.00	0	0	0	cy
EX3500	Pullback: load SP mat'l on trucks	No. 1C SP	Segment 9	568.73	25.00	2,381	1,413,661	5,852,222	cy
EX3500	Pullback: load SP mat'l on trucks	No. 1C SP	Segment 10	568.73	25.00	6,916	4,106,468	16,999,811	cy
EX3500	Pullback: load SP mat'l on trucks	No. 1C SP	Segment 11	568.73	25.00	2,426	1,440,205	5,962,111	cy
0 vacant		0	0	568.73	25.00	0	0	0	cy
0 vacant		0	0	568.73	25.00	0	0	0	cy
0 vacant		0	0	568.73	25.00	0	0	0	cy
0 vacant		0	0	568.73	25.00	0	0	0	cy
0 vacant		0	0	568.73	25.00	0	0	0	cy
0 vacant		0	0	568.73	25.00	0	0	0	cy
0 vacant		0	0	568.73	25.00	0	0	0	cy
0 vacant		0	0	568.73	25.00	0	0	0	cy
0 vacant		0	0	568.73	25.00	0	0	0	cy

Summary Calculation of Earthmoving Costs

Equipment Type	Task	Location 1	Location 2	Owning and Operating Cost (\$/hr)	Labor Cost (\$/hr)	Time Req'd (hrs)	Total Cost (\$)	Total Production	Prod. Unit
Trucks									
530M	Haul GC material	No. 1D SP	No. 1 SP	264.55	25.00	3,390	981,619	978,578	cy
530M	Haul GC material	No. 1 SP borrow area	No. 1 SP	264.55	25.00	37	10,819	30,613	cy
530M	Haul GC material	No. 1D SP	No. 1A SP	264.55	25.00	1,672	484,091	420,419	cy
530M	Haul GC material	No. 1D SP	No. 1B SP	264.55	25.00	4,219	1,221,668	1,152,268	cy
530M	Haul GC material	No. 1D SP	No. 1C SP	264.55	25.00	7,246	2,098,009	1,745,414	cy
530M	Haul GC material	No. 1D SP	No. 1D SP	264.55	25.00	1,945	563,169	1,593,530	cy
530M	Haul GC material	No. 1D SP	No. 2 SP	264.55	25.00	20,756	6,009,923	3,391,641	cy
530M	Haul GC material	No. 1D SP	No. 2A SP	264.55	25.00	15,185	4,396,716	2,707,712	cy
530M	Haul GC material	No. 1D SP	No. 3 SP	264.55	25.00	7,253	2,099,969	1,862,202	cy
530M	Haul GC material	No. 1D SP	No. 3B SP	264.55	25.00	3,209	929,053	816,171	cy
530M	Haul GC material	No. 1D SP	No. 9A SP	264.55	25.00	0	0	0	cy
530M	Haul GC material	No. 1D SP	Main Pit SP	264.55	25.00	0	0	0	cy
530M	Haul GC material	No. 1D SP	Gettysburg In-Pit SP	264.55	25.00	0	0	0	cy
530M	Haul GC material	No. 1D SP	Gettysburg Out-Pit SP	264.55	25.00	2,446	708,148	500,940	cy
530M	Haul GC material	No. 1D SP	East Main Pit SP	264.55	25.00	91	26,415	35,778	cy
530M	Haul GC material	No. 1D SP	Savanna Stockpile	264.55	25.00	362	104,911	111,320	cy
530M	Haul GC material	No. 1D SP	USNR Stockpile area	264.55	25.00	0	0	0	cy
530M	Haul GC material	No. 1D SP	Raffinate Tanks OB SP	264.55	25.00	204	59,012	50,094	cy
530M	Haul GC material	No. 1D SP	Mine Maintenance	264.55	25.00	0	0	0	cy
530M	Haul GC material	No. 1D SP	SX/EW Plant	264.55	25.00	0	0	0	cy
530M	Pullback: haul SP mat'l	No. 1C SP	Segment 9	264.55	25.00	4,762	1,378,821	5,852,222	cy
530M	Pullback: haul SP mat'l	No. 1C SP	Segment 10	264.55	25.00	13,833	4,005,265	16,999,811	cy
530M	Pullback: haul SP mat'l	No. 1C SP	Segment 11	264.55	25.00	4,851	1,404,712	5,962,111	cy
0 vacant			0	0	264.55	25.00	0	0	cy
0 vacant			0	0	264.55	25.00	0	0	cy
0 vacant			0	0	264.55	25.00	0	0	cy
0 vacant			0	0	264.55	25.00	0	0	cy
0 vacant			0	0	264.55	25.00	#DIV/0!	0	cy
0 vacant			0	0	264.55	25.00	#DIV/0!	0	cy
0 vacant			0	0	264.55	25.00	0	0	cy
0 vacant			0	0	264.55	25.00	0	0	cy
0 vacant			0	0	264.55	25.00	0	0	cy
0 vacant			0	0	264.55	25.00	0	0	cy
								15,396,679	

New Mexico Mining and Minerals Division
Summary Calculation of Earthmoving Costs

Wo

Equipment Type	Task	Location 1	Location 2	Owning and Operating Cost (\$/hr)	Labor Cost (\$/hr)	Time Req'd (hrs)	Total Cost (\$)	Total Production	Prod. Unit
Tailings Area									
Dozers-Earthmoving									
D11N	Pushdown existing outsoles	TP 1A	Segment 1	219.43	25.00	191	46,754	163,875	cy
D11N	Pushdown existing outsoles	TP 1A	Segment 2	219.43	25.00	73	17,747	50,097	cy
D11N	Pushdown existing outsoles	TP 1A	Segment 3	219.43	25.00	490	119,888	276,383	cy
D11N	Pushdown existing outsoles	TP 1A	Segment 4	219.43	25.00	72	17,643	42,334	cy
Dozers-Grading									
D8R	Grade existing surface	TP 1	top	80.50	25.00	37	3,938	239.0	ac
D8R	Grade existing surface	TP 1A	top	80.50	25.00	43	4,532	275.0	ac
D8R	Grade existing surface	TP 1X	top	80.50	25.00	52	5,504	334.0	ac
D8R	Grade existing surface	TP 2	top	80.50	25.00	50	5,224	317.0	ac
D8R	Grade existing surface	TP 3	top	80.50	25.00	51	5,339	324.0	ac
D8R	Grade existing surface	TP 3X	top	80.50	25.00	32	3,378	205.0	ac
D8R	Grade existing surface	Burro Mountain TP	top	80.50	25.00	7	692	42.0	ac
D11N	Grade GC material	TP 1	top	219.43	25.00	26	6,428	239.0	ac
D11N	Grade GC material	TP 1A	top	219.43	25.00	30	7,397	275.0	ac
D11N	Grade GC material	TP 1X	top	219.43	25.00	37	8,984	334.0	ac
D11N	Grade GC material	TP 2	top	219.43	25.00	35	8,526	317.0	ac
D11N	Grade GC material	TP 3	top	219.43	25.00	36	8,715	324.0	ac
D11N	Grade GC material	TP 3X	top	219.43	25.00	23	5,514	205.0	ac
D11N	Grade GC material	Burro Mountain TP	top	219.43	25.00	5	1,130	42.0	ac
D11N	Grade GC material	TP 1	outslopes	219.43	25.00	10	2,338	113.0	ac
D11N	Grade GC material	TP 1A	outslopes	219.43	25.00	4	884	46.0	ac
D11N	Grade GC material	TP 1X	outslopes	219.43	25.00	4	890	43.0	ac
D11N	Grade GC material	TP 2	outslopes	219.43	25.00	9	2,193	106.0	ac
D11N	Grade GC material	TP 3	outslopes	219.43	25.00	10	2,462	119.0	ac
D11N	Grade GC material	TP 3X	outslopes	219.43	25.00	6	1,552	75.0	ac
D11N	Grade GC material	Burro Mountain TP	outslopes	219.43	25.00	1	307	16.0	ac
D11N	Grade GC material	TP misc. dist.	all surfaces	219.43	25.00	11	2,690	100.0	ac
Rippers									
D11N	Rip existing surface	TP 1	top	245.47	25.00	140	37,915	239	ac
D11N	Rip existing surface	TP 1A	top	245.47	25.00	161	43,627	275	ac
D11N	Rip existing surface	TP 1X	top	245.47	25.00	196	52,987	334	ac
D11N	Rip existing surface	TP 2	top	245.47	25.00	186	50,290	317	ac
D11N	Rip existing surface	TP 3	top	245.47	25.00	190	51,400	324	ac
D11N	Rip existing surface	TP 3X	top	245.47	25.00	120	32,522	205	ac
D11N	Rip existing surface	Burro Mountain TP	top	245.47	25.00	0	0	0	ac
D11N	Rip existing surface	TP 1	outslopes	245.47	25.00	66	17,927	113	ac
D11N	Rip existing surface	TP 1A	outslopes	245.47	25.00	27	7,298	46	ac

Attachment B - Table 2 - Tab "13...Earthsum" - Color Coding of Original Earthwork Estimates to Show Each Cost Component Proposed for Reduction in 2009
 BOND AMOUNT CALCULATION

New Mexico Mining and Minerals Division

Wo

Summary Calculation of Earthmoving Costs

Equipment Type	Task	Location 1	Location 2	Owning and Operating Cost (\$/hr)	Labor Cost (\$/hr)	Time Req'd (hrs)	Total Cost (\$)	Total Production	Prod. Unit
D11N	Rip existing surface	TP 1X	outslopes	245.47	25.00	25	6,822	43	ac
D11N	Rip existing surface	TP 2	outslopes	245.47	25.00	62	16,816	106	ac
D11N	Rip existing surface	TP 3	outslopes	245.47	25.00	70	18,878	119	ac
D11N	Rip existing surface	TP 3X	outslopes	245.47	25.00	44	11,898	75	ac
D11N	Rip existing surface	Burro Mountain TP	outslopes	245.47	25.00	0	0	0	ac
D11N	Rip existing surface	TP misc. dist.	all surfaces	245.47	25.00	59	15,864	100	ac
Loaders									
EX3500	Load GC material on trucks	TP BM Borrow	Burro Mountain TP	568.73	25.00	128	75,818	322,828	cy
EX3500	Load GC material on trucks	TP Borrow	TP misc. dist.	568.73	25.00	74	43,861	185,533	cy
Trucks									
530M	Haul GC material	TP BM Borrow	Burro Mountain TP	264.55	25.00	1,277	369,747	322,828	cy
530M	Haul GC material	TP Borrow	TP misc. dist.	264.55	25.00	222	64,170	185,533	cy
Scrapers									
D9	Scraper assist w/ dozer	TP 1 Borrow	TP 1	117.76	25.00	8,043	1,148,256	1,959,232	cy
D9	Scraper assist w/ dozer	TP 1A Borrow	TP 1A	117.76	25.00	7,335	1,047,131	1,786,686	cy
D9	Scraper assist w/ dozer	TP 1X Borrow	TP 1X	117.76	25.00	8,614	1,229,808	2,098,382	cy
D9	Scraper assist w/ dozer	TP 2 Borrow	TP 2	117.76	25.00	9,666	1,379,864	2,354,418	cy
D9	Scraper assist w/ dozer	TP 3 Borrow	TP 3	117.76	25.00	10,123	1,445,106	2,465,738	cy
D9	Scraper assist w/ dozer	TP 3X Borrow	TP 3X	117.76	25.00	7,021	1,002,277	1,710,154	cy
651E	Haul GC material w/ scrapers	TP 1 Borrow	TP 1	174.03	25.00	8,043	1,600,858	1,959,232	cy
651E	Haul GC material w/ scrapers	TP 1A Borrow	TP 1A	174.03	25.00	7,335	1,459,874	1,786,686	cy
651E	Haul GC material w/ scrapers	TP 1X Borrow	TP 1X	174.03	25.00	8,614	1,714,556	2,098,382	cy
651E	Haul GC material w/ scrapers	TP 2 Borrow	TP 2	174.03	25.00	9,666	1,923,759	2,354,418	cy
651E	Haul GC material w/ scrapers	TP 3 Borrow	TP 3	174.03	25.00	10,123	2,014,717	2,465,738	cy
651E	Haul GC material w/ scrapers	TP 3X Borrow	TP 3X	174.03	25.00	7,021	1,397,340	1,710,154	cy
								24,749,219	

Summary Calculation of Earthmoving Costs

Equipment Type	Task	Location 1	Location 2	Owning and Operating Cost (\$/hr)	Labor Cost (\$/hr)	Time Req'd (hrs)	Total Cost (\$)	Total Production	Prod. Unit
Tailing Pipeline Corridor									
Dozers-Earthmoving									
0		0	0	219.43	25.00	0	0	0	cy
Dozers-Grading									
D11N	Grade GC material	Pipeline Corridor		219.43	25.00	3	652	24	ac
Rippers									
D11N	Rip existing surface	Pipeline Corridor		245.47	25.00	14	3,846	24	ac
Loaders									
EX3500	Load GC material on trucks	Pipeline Corridor		568.73	25.00	16	9,756	44,978	cy
Trucks									
530M	Haul GC material	Pipeline Corridor		264.55	25.00	55	16,010	44,978	cy
Total Cost							\$100,059,460		

Equipment Type	Task	Location 1	Location 2	Owning and Operating Cost (\$/hr)	Labor Cost (\$/hr)	Time Req'd (hrs)	Total Cost (\$)	Total Production	Prod. Unit
EQUIPMENT				Owning and Operating Cost (\$/hr)	Fuel Cost (\$/hr)	Fuel-Adjusted Own/Op Cost (\$/hr)			
Equipment Description									
Cat D11N Bulldozer				231.56	39.08	219.43			
Cat D11N Bulldozer w/ adjustable parallelogram				257.60	39.08	245.47			
Cat D8R Bulldozer				85.25	15.29	80.50			
Cat D9R Bulldozer				124.22	20.81	117.76			
Cat 651E Scraper				183.44	30.31	174.03			
Cat D350E Series II Articulated Truck				90.64	10.79	86.95			
Komatsu 530M Truck				278.87	41.86	264.55			
Cat 777D Truck				194.23	28.52	184.47			
Hitachi EX3500-2 Shovel				603.58	112.29	568.73			
Cat 990 Loader				176.24	29.00	167.24			
Cat 16H Motor Grader				79.61	12.76	75.65			
Off-Hwy Water Tanker Truck, 10,000-gal.				123.34	23.32	115.36			
Light Duty Truck, 4x4, 1 ton				9.68	2.37	8.87			
FUEL									
Oil Broker Quote (\$0.84/gal) + contingency (\$0.16/gal)					\$1.00 per gallon				
Base Diesel Cost, Tractors & Earthmoving					\$1.45 per gallon				
Base Diesel Cost, Trucks					\$1.52 per gallon				
Base Diesel Cost, Excavating					\$1.45 per gallon				
Fuel Adjustment Factor, Tractors & Earthmoving				-31.03%					
Fuel Adjustment Factor, Trucks				-34.21%					
Fuel Adjustment Factor, Excavating				-31.03%					
LABOR									
				Minimum Base Rate (\$/hr)	Minimum Fringe Rate (\$/hr)	Nominal Total Rate (\$/hr)			
Labor Description									
Operator, Cat D11N Bulldozer	NMDOL Type A Operator Group	NMDOL Type A Operator Classification		12.60	0.26	25.00			
Operator, Komatsu 530M Truck	Truck Driver III	Off-Highway Hauler		10.73	0.26	25.00			
Operator, Hitachi EX3500-2 Shovel	Equipment Operator VIII	Shovel (over 3 cy)		12.60	0.26	25.00			
Operator, Cat 992G Loader	Equipment Operator VI	Loader (over 10 cy)		12.40	0.26	25.00			
Operator, Cat 16H Motor Grader	Equipment Operator IV	Motor Grader		12.25	0.26	25.00			
Operator, 10,000-gallon Water Truc	Truck Driver III	Tank Truck (over 6,000		10.73	0.26	25.00			
Mechanic	Equipment Operator VI	Mechanic and/or Welder		12.40	0.26	25.00			
Oiler	Equipment Operator II	Oiler		11.65	0.26	25.00			

New Mexico Mining and Minerals Division
Summary Calculation of Earthmoving Costs

Wo

Equipment Type	Task	Location 1	Location 2	Owning and Operating Cost (\$/hr)	Labor Cost (\$/hr)	Time Req'd (hrs)	Total Cost (\$)	Total Production	Prod. Unit
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Data Sources:

Primedia Cost Reference Guide for Construction Equipment (2001)
 Porter Oil, Silver City, NM (February 2002)

The portion of the financial assurance amount for earthwork at pits and adjacent stockpiles, including the following units, is to be evaluated through a feasibility study as specified in DP-1341 for the New Mexico Environment Department and through the MMD permit revision process for establishing a closeout plan under the New Mexico Mining Act: Main Pit, West Main Pit, Valencia Pit, Savanna Pit, Gettysburg Pit, South Rim Pit, Copper Mountain Pit, San Salvador Hill Pit, Savanna Stockpile, Gettysburg In-Pit Stockpile, East Main Pit Stockpile.

The portion of the financial assurance amount for specific earthwork, revegetation, and other reclamation activities, including the following areas or measures, is to be evaluated through the MMD permit revision process for establishing a closeout plan under the New Mexico Mining Act: Mine Maintenance Facilities, SX/EW Plant, Lubrication Shop, Acid Unloading, Roads, Wildlife Monitoring.

Equipment Type	Task	Location 1	Location 2	Unit Cost (\$/unit)
Stockpiles Area				
Dozers-Earthmoving				
D11N	Pushdown existing outsoles	No. 1 SP	Segment 1	0.53
D11N	Pushdown existing outsoles	No. 1 SP	Segment 2	0.48
D11N	Pushdown existing outsoles	No. 1 SP	Segment 3	0.45
D11N	Pushdown existing outsoles	No. 1 SP	Segment 4	0.31
D11N	Pushdown existing outsoles	No. 1 SP	Segment 5	---
D11N	Pushdown existing outsoles	No. 1A SP	Segment 1	1.12
D11N	Pushdown existing outsoles	No. 1A SP	Segment 2	1.32
D11N	Pushdown existing outsoles	No. 1A SP	Segment 3	0.84
D11N	Pushdown existing outsoles	No. 1A SP	Segment 4	1.07
D11N	Pushdown existing outsoles	No. 1A SP	Segment 5	0.96
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
D11N	Pushdown existing outsoles	No. 1B SP	Segment 1	0.31
D11N	Pushdown existing outsoles	No. 1B SP	Segment 2	1.01
D11N	Pushdown existing outsoles	No. 1B SP	Segment 3	1.32
D11N	Pushdown existing outsoles	No. 1B SP	Segment 4	0.84
D11N	Pushdown existing outsoles	No. 1B SP	Segment 5	0.75
D11N	Pushdown existing outsoles	No. 1B SP	Segment 6	0.31
D11N	Pushdown existing outsoles	No. 1C SP	Segment 1	0.39
D11N	Pushdown existing outsoles	No. 1C SP	Segment 2	0.53
D11N	Pushdown existing outsoles	No. 1C SP	Segment 3	0.39
D11N	Pushdown existing outsoles	No. 1C SP	Segment 4	0.63
D11N	Pushdown existing outsoles	No. 1C SP	Segment 5	---
D11N	Pushdown existing outsoles	No. 1C SP	Segment 6	1.50
D11N	Pushdown existing outsoles	No. 1C SP	Segment 7	1.07
D11N	Pushdown existing outsoles	No. 1C SP	Segment 8	1.50
D11N	Pullback: pioneer benching	No. 1C SP	Segment 9	0.00
D11N	Pullback: pioneer benching	No. 1C SP	Segment 10	0.00
D11N	Pullback: pioneer benching	No. 1C SP	Segment 11	0.00
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0

BOND AMOUNT CALCULATION
New Mexico Mining and Minerals Division
Summary Calculation of Earthmoving Costs

Tyrone Mine
Worksheet #13
05/10/02

Equipment Type	Task	Location 1	Location 2	Unit Cost (\$/unit)
D11N	Pushdown existing out slopes	No. 1D SP	Segment 1	0.63
D11N	Pushdown existing out slopes	No. 1D SP	Segment 2	0.90
D11N	Pushdown existing out slopes	No. 1D SP	Segment 3	1.07
D11N	Pushdown existing out slopes	No. 1D SP	Segment 4	0.75
D11N	Pushdown existing out slopes	No. 1D SP	Segment 5	0.71
D11N	Pushdown existing out slopes	No. 1D SP	Segment 6	0.31
D11N	Pushdown existing out slopes	No. 1D SP	Segment 7	0.31
D11N	Pushdown existing out slopes	No. 1D SP	Segment 8	0.45
D11N	Pushdown existing out slopes	No. 1D SP	Segment 9	0.31
D11N	Pushdown existing out slopes	No. 1D SP	Segment 10	---
D11N	Pushdown existing out slopes	No. 1D SP	Segment 11	0.42
D11N	Pushdown existing out slopes	No. 1D SP	Segment 12	0.42
D11N	Pushdown existing out slopes	No. 1D SP	Segment 13	0.53
D11N	Pushdown existing out slopes	No. 2 SP	Segment 1	0.31
D11N	Pushdown existing out slopes	No. 2 SP	Segment 2	0.45
D11N	Pushdown existing out slopes	No. 2 SP	Segment 3	0.32
D11N	Pushdown existing out slopes	No. 2 SP	Segment 4	0.67
D11N	Pushdown existing out slopes	No. 2 SP	Segment 5	0.63
D11N	Pushdown existing out slopes	No. 2 SP	Segment 6	0.32
D11N	Pushdown existing out slopes	No. 2 SP	Segment 7	0.31
D11N	Pushdown existing out slopes	No. 2 SP	Segment 8	0.78
D11N	Pushdown existing out slopes	No. 2 SP	Segment 9	0.39
D11N	Pushdown existing out slopes	No. 2 SP	Segment 10	---
D11N	Pushdown existing out slopes	No. 2 SP	Segment 11	0.31
D11N	Pushdown existing out slopes	No. 2 SP	Segment 12	---
D11N	Pushdown existing out slopes	No. 2 SP	Segment 13	0.53
D11N	Pushdown existing out slopes	No. 2A SP	Segment 1	1.32
D11N	Pushdown existing out slopes	No. 2A SP	Segment 2	1.23
D11N	Pushdown existing out slopes	No. 2A SP	Segment 3	---
D11N	Pushdown existing out slopes	No. 2A SP	Segment 4	---
D11N	Pushdown existing out slopes	No. 2A SP	Segment 5	0.31
D11N	Pushdown existing out slopes	No. 2A SP	Segment 6	0.71
D11N	Pushdown existing out slopes	No. 2A SP	Segment 7	2.07
D11N	Pushdown existing out slopes	No. 2A SP	Segment 8	1.12
D11N	Pushdown existing out slopes	No. 2A SP	Segment 9	1.55
D11N	Pushdown existing out slopes	No. 2A SP	Segment 10	1.12
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
D11N	Pushdown existing out slopes	No. 2A SP	Segment 11	0.78

BOND AMOUNT CALCULATION
New Mexico Mining and Minerals Division
Summary Calculation of Earthmoving Costs

Tyrone Mine
Worksheet #13
05/10/02

Equipment Type	Task	Location 1	Location 2	Unit Cost (\$/unit)
D11N	Pushdown existing outcrops	No. 2A SP	Segment 12	---
D11N	Pushdown existing outcrops	No. 3 SP	Segment 1	0.90
D11N	Pushdown existing outcrops	No. 3 SP	Segment 2	1.50
D11N	Pushdown existing outcrops	No. 3 SP	Segment 3	1.23
D11N	Pushdown existing outcrops	No. 3 SP	Segment 4	0.71
D11N	Pushdown existing outcrops	No. 3 SP	Segment 5	---
D11N	Pushdown existing outcrops	No. 3 SP	Segment 6	0.31
D11N	Pushdown existing outcrops	No. 3 SP	Segment 7	0.42
D11N	Pushdown existing outcrops	No. 3B SP	Segment 1	0.67
D11N	Pushdown existing outcrops	No. 3B SP	Segment 2	0.45
D11N	Pushdown existing outcrops	No. 3B SP	Segment 3	0.48
D11N	Pushdown existing outcrops	No. 3B SP	Segment 4	0.45
D11N	Pushdown existing outcrops	No. 3B SP	Segment 5	0.31
D11N	Pushdown existing outcrops	No. 3B SP	Segment 6	1.28
D11N	Pushdown existing outcrops	No. 9A SP	All Segments	---
D11N	Pushdown existing outcrops	Main Pit SP	Segment 1	---
D11N	Pushdown existing outcrops	Main Pit SP	Segment 2	---
D11N	Pushdown existing outcrops	Main Pit SP	Segment 3	---
D11N	Pushdown existing outcrops	Gettysburg In-Pit SP	All Segments	---
D11N	Pushdown existing outcrops	Gettysburg Out-Pit SP	Segment 1	0.39
D11N	Pushdown existing outcrops	East Main Pit SP	Segment 1	0.31
D11N	Pushdown existing outcrops	Savanna Stockpile	Segment 1	0.31
D11N	Pushdown existing outcrops	Savanna Stockpile	Segment 2	0.31
D11N	Pushdown existing outcrops	Raffinate Tanks OB SP	Segment 1	0.31
Dozers-Grading				
D11N	Grade existing surface	No. 1 SP	top	43.72
D11N	Grade existing surface	No. 1A SP	top	43.72
D11N	Grade existing surface	No. 1B SP	top	43.72
D11N	Grade existing surface	No. 1C SP	top	43.72
D11N	Grade existing surface	No. 1D SP	top	43.72
D11N	Grade existing surface	No. 2 SP	top	43.72
D11N	Grade existing surface	No. 2A SP	top	43.72
D11N	Grade existing surface	No. 3 SP	top	43.72
D11N	Grade existing surface	No. 3B SP	top	43.72
D11N	Grade existing surface	No. 9A SP	top	---
D11N	Grade existing surface	Main Pit SP	top	---
D11N	Grade existing surface	Gettysburg In-Pit SP	top	---
D11N	Grade existing surface	Gettysburg Out-Pit SP	top	43.72
D11N	Grade existing surface	East Main Pit SP	top	43.72

BOND AMOUNT CALCULATION

New Mexico Mining and Minerals Division

Summary Calculation of Earthmoving Costs

Tyrone Mine

Worksheet #13

05/10/02

Equipment Type	Task	Location 1	Location 2	Unit Cost (\$/unit)
D11N	Grade existing surface	Savanna Stockpile	top	43.72
D11N	Grade existing surface	USNR Stockpile	top	43.72
D11N	Grade existing surface	Raffinate Tanks OB SP	top	43.72
D11N	Grade GC material	No. 1 SP	top	26.90
D11N	Grade GC material	No. 1A SP	top	26.90
D11N	Grade GC material	No. 1B SP	top	26.90
D11N	Grade GC material	No. 1C SP	top	26.90
D11N	Grade GC material	No. 1D SP	top	26.90
D11N	Grade GC material	No. 2 SP	top	26.90
D11N	Grade GC material	No. 2A SP	top	26.90
D11N	Grade GC material	No. 3 SP	top	26.90
D11N	Grade GC material	No. 3B SP	top	26.90
D11N	Grade GC material	No. 9A SP	top	---
D11N	Grade GC material	Main Pit SP	top	---
D11N	Grade GC material	Gettysburg In-Pit SP	top	---
D11N	Grade GC material	Gettysburg Out-Pit SP	top	26.90
D11N	Grade GC material	East Main Pit SP	top	26.90
D11N	Grade GC material	Savanna Stockpile	top	26.90
D11N	Grade GC material	USNR Stockpile	top	26.90
D11N	Grade GC material	Raffinate Tanks OB SP	top	26.90
D11N	Grade GC material	No. 1 SP	outslopes	19.21
D11N	Grade GC material	No. 1A SP	outslopes	19.21
D11N	Grade GC material	No. 1B SP	outslopes	19.21
D11N	Grade GC material	No. 1C SP	outslopes	19.21
D11N	Grade GC material	No. 1D SP	outslopes	19.21
D11N	Grade GC material	No. 2 SP	outslopes	19.21
D11N	Grade GC material	No. 2A SP	outslopes	19.21
D11N	Grade GC material	No. 3 SP	outslopes	19.21
D11N	Grade GC material	No. 3B SP	outslopes	19.21
D11N	Grade GC material	No. 9A SP	outslopes	---
D11N	Grade GC material	Main Pit SP	outslopes	---
D11N	Grade GC material	Gettysburg In-Pit SP	outslopes	---
D11N	Grade GC material	Gettysburg Out-Pit SP	outslopes	19.21
D11N	Grade GC material	East Main Pit SP	outslopes	19.21
D11N	Grade GC material	Savanna Stockpile	outslopes	19.21
D11N	Grade GC material	USNR Stockpile	outslopes	---
D11N	Grade GC material	Raffinate Tanks OB SP	outslopes	19.21
D11N	Grade GC material	Mine Maintenance	at foundations	---
D11N	Grade GC material	SX/EW Plant	at foundations	---

BOND AMOUNT CALCULATION
New Mexico Mining and Minerals Division
Summary Calculation of Earthmoving Costs

Tyrone Mine
Worksheet #13
05/10/02

Equipment Type	Task	Location 1	Location 2	Unit Cost (\$/unit)
Rippers				
D11N	Rip existing surface	No. 1 SP	top	158.64
D11N	Rip existing surface	No. 1A SP	top	158.64
D11N	Rip existing surface	No. 1B SP	top	158.64
D11N	Rip existing surface	No. 1C SP	top	158.64
D11N	Rip existing surface	No. 1D SP	top	158.64
D11N	Rip existing surface	No. 2 SP	top	158.64
D11N	Rip existing surface	No. 2A SP	top	158.64
D11N	Rip existing surface	No. 3 SP	top	158.64
D11N	Rip existing surface	No. 3B SP	top	158.64
D11N	Rip existing surface	No. 9A SP	top	---
D11N	Rip existing surface	Main Pit SP	top	---
D11N	Rip existing surface	Gettysburg In-Pit SP	top	---
D11N	Rip existing surface	Gettysburg Out-Pit SP	top	158.64
D11N	Rip existing surface	East Main Pit SP	top	158.64
D11N	Rip existing surface	Savanna Stockpile	top	158.64
D11N	Rip existing surface	USNR Stockpile area	top	158.64
D11N	Rip existing surface	Raffinate Tanks OB SP	top	158.64
D11N	Rip existing surface	Haul Roads	all surfaces	158.64
D11N	Rip existing surface	Mine Maintenance	exposed soil	---
D11N	Rip existing surface	SX/EW Plant	exposed soil	---
D11N	Rip existing surface	Reservoirs	all surfaces	158.64
D11N	Rip existing surface	all stockpiles	outslopes	---
D11N	Rip existing surface	Miscellaneous	all surfaces	158.64
Loaders				
EX3500	Load GC material on trucks	No. 1D SP	No. 1 SP	0.26
EX3500	Load GC material on trucks	No. 1 SP borrow area	No. 1 SP	0.24
EX3500	Load GC material on trucks	No. 1D SP	No. 1A SP	0.26
EX3500	Load GC material on trucks	No. 1D SP	No. 1B SP	0.24
EX3500	Load GC material on trucks	No. 1D SP	No. 1C SP	0.25
EX3500	Load GC material on trucks	No. 1D SP	No. 1D SP	0.24
EX3500	Load GC material on trucks	No. 1D SP	No. 2 SP	0.24
EX3500	Load GC material on trucks	No. 1D SP	No. 2A SP	0.26
EX3500	Load GC material on trucks	No. 1D SP	No. 3 SP	0.26
EX3500	Load GC material on trucks	No. 1D SP	No. 3B SP	0.26
EX3500	Load GC material on trucks	No. 1D SP	No. 9A SP	---
EX3500	Load GC material on trucks	No. 1D SP	Main Pit SP	---
EX3500	Load GC material on trucks	No. 1D SP	Gettysburg In-Pit SP	---
EX3500	Load GC material on trucks	No. 1D SP	Gettysburg Out-Pit SP	0.24
EX3500	Load GC material on trucks	No. 1D SP	East Main Pit SP	0.25
EX3500	Load GC material on trucks	No. 1D SP	Savanna Stockpile	0.24

BOND AMOUNT CALCULATION

New Mexico Mining and Minerals Division

Summary Calculation of Earthmoving Costs

Tyrone Mine

Worksheet #13

05/10/02

Equipment Type	Task	Location 1	Location 2	Unit Cost (\$/unit)
EX3500	Load GC material on trucks	No. 1D SP	USNR Stockpile area	---
EX3500	Load GC material on trucks	No. 1D SP	Raffinate Tanks OB SP	0.24
EX3500	Load GC material on trucks	No. 1D SP	Mine Maintenance	---
EX3500	Load GC material on trucks	No. 1D SP	SX/EW Plant	---
EX3500	Pullback: load SP mat'l on trucks	No. 1C SP	Segment 9	0.24
EX3500	Pullback: load SP mat'l on trucks	No. 1C SP	Segment 10	0.24
EX3500	Pullback: load SP mat'l on trucks	No. 1C SP	Segment 11	0.24
0 vacant			0	---
0 vacant			0	---
0 vacant			0	---
0 vacant			0	---
0 vacant			0	---
0 vacant			0	---
0 vacant			0	---
0 vacant			0	---
0 vacant			0	---
0 vacant			0	---

Equipment Type	Task	Location 1	Location 2	Unit Cost (\$/unit)
Trucks				
530M	Haul GC material	No. 1D SP	No. 1 SP	1.00
530M	Haul GC material	No. 1 SP borrow area	No. 1 SP	0.35
530M	Haul GC material	No. 1D SP	No. 1A SP	1.15
530M	Haul GC material	No. 1D SP	No. 1B SP	1.06
530M	Haul GC material	No. 1D SP	No. 1C SP	1.20
530M	Haul GC material	No. 1D SP	No. 1D SP	0.35
530M	Haul GC material	No. 1D SP	No. 2 SP	1.77
530M	Haul GC material	No. 1D SP	No. 2A SP	1.62
530M	Haul GC material	No. 1D SP	No. 3 SP	1.13
530M	Haul GC material	No. 1D SP	No. 3B SP	1.14
530M	Haul GC material	No. 1D SP	No. 9A SP	---
530M	Haul GC material	No. 1D SP	Main Pit SP	---
530M	Haul GC material	No. 1D SP	Gettysburg In-Pit SP	---
530M	Haul GC material	No. 1D SP	Gettysburg Out-Pit SP	1.41
530M	Haul GC material	No. 1D SP	East Main Pit SP	0.74
530M	Haul GC material	No. 1D SP	Savanna Stockpile	0.94
530M	Haul GC material	No. 1D SP	USNR Stockpile area	---
530M	Haul GC material	No. 1D SP	Raffinate Tanks OB SP	1.18
530M	Haul GC material	No. 1D SP	Mine Maintenance	---
530M	Haul GC material	No. 1D SP	SX/EW Plant	---
530M	Pullback: haul SP mat'l	No. 1C SP	Segment 9	0.24
530M	Pullback: haul SP mat'l	No. 1C SP	Segment 10	0.24
530M	Pullback: haul SP mat'l	No. 1C SP	Segment 11	0.24
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0
	0 vacant		0	0

Equipment Type	Task	Location 1	Location 2	Unit Cost (\$/unit)
Tailings Area				
Dozers-Earthmoving				
D11N	Pushdown existing outsoles	TP 1A	Segment 1	0.29
D11N	Pushdown existing outsoles	TP 1A	Segment 2	0.35
D11N	Pushdown existing outsoles	TP 1A	Segment 3	0.43
D11N	Pushdown existing outsoles	TP 1A	Segment 4	0.42
Dozers-Grading				
D8R	Grade existing surface	TP 1	top	16.48
D8R	Grade existing surface	TP 1A	top	16.48
D8R	Grade existing surface	TP 1X	top	16.48
D8R	Grade existing surface	TP 2	top	16.48
D8R	Grade existing surface	TP 3	top	16.48
D8R	Grade existing surface	TP 3X	top	16.48
D8R	Grade existing surface	Burro Mountain TP	top	16.48
D11N	Grade GC material	TP 1	top	26.90
D11N	Grade GC material	TP 1A	top	26.90
D11N	Grade GC material	TP 1X	top	26.90
D11N	Grade GC material	TP 2	top	26.90
D11N	Grade GC material	TP 3	top	26.90
D11N	Grade GC material	TP 3X	top	26.90
D11N	Grade GC material	Burro Mountain TP	top	26.90
D11N	Grade GC material	TP 1	outslopes	20.69
D11N	Grade GC material	TP 1A	outslopes	19.21
D11N	Grade GC material	TP 1X	outslopes	20.69
D11N	Grade GC material	TP 2	outslopes	20.69
D11N	Grade GC material	TP 3	outslopes	20.69
D11N	Grade GC material	TP 3X	outslopes	20.69
D11N	Grade GC material	Burro Mountain TP	outslopes	19.21
D11N	Grade GC material	TP misc. dist.	all surfaces	26.90
Rippers				
D11N	Rip existing surface	TP 1	top	158.64
D11N	Rip existing surface	TP 1A	top	158.64
D11N	Rip existing surface	TP 1X	top	158.64
D11N	Rip existing surface	TP 2	top	158.64
D11N	Rip existing surface	TP 3	top	158.64
D11N	Rip existing surface	TP 3X	top	158.64
D11N	Rip existing surface	Burro Mountain TP	top	---
D11N	Rip existing surface	TP 1	outslopes	158.64
D11N	Rip existing surface	TP 1A	outslopes	158.64

BOND AMOUNT CALCULATION
 New Mexico Mining and Minerals Division
Summary Calculation of Earthmoving Costs

Tyrone Mine
 Worksheet #13
 05/10/02

Equipment Type	Task	Location 1	Location 2	Unit Cost (\$/unit)
D11N	Rip existing surface	TP 1X	outslopes	158.64
D11N	Rip existing surface	TP 2	outslopes	158.64
D11N	Rip existing surface	TP 3	outslopes	158.64
D11N	Rip existing surface	TP 3X	outslopes	158.64
D11N	Rip existing surface	Burro Mountain TP	outslopes	---
D11N	Rip existing surface	TP misc. dist.	all surfaces	158.64
Loaders				
EX3500	Load GC material on trucks	TP BM Borrow	Burro Mountain TP	0.23
EX3500	Load GC material on trucks	TP Borrow	TP misc. dist.	0.24
Trucks				
530M	Haul GC material	TP BM Borrow	Burro Mountain TP	1.15
530M	Haul GC material	TP Borrow	TP misc. dist.	0.35
Scrapers				
D9	Scraper assist w/ dozer	TP 1 Borrow	TP 1	0.59
D9	Scraper assist w/ dozer	TP 1A Borrow	TP 1A	0.59
D9	Scraper assist w/ dozer	TP 1X Borrow	TP 1X	0.59
D9	Scraper assist w/ dozer	TP 2 Borrow	TP 2	0.59
D9	Scraper assist w/ dozer	TP 3 Borrow	TP 3	0.59
D9	Scraper assist w/ dozer	TP 3X Borrow	TP 3X	0.59
651E	Haul GC material w/ scrapers	TP 1 Borrow	TP 1	0.82
651E	Haul GC material w/ scrapers	TP 1A Borrow	TP 1A	0.82
651E	Haul GC material w/ scrapers	TP 1X Borrow	TP 1X	0.82
651E	Haul GC material w/ scrapers	TP 2 Borrow	TP 2	0.82
651E	Haul GC material w/ scrapers	TP 3 Borrow	TP 3	0.82
651E	Haul GC material w/ scrapers	TP 3X Borrow	TP 3X	0.82

BOND AMOUNT CALCULATION
 New Mexico Mining and Minerals Division
Summary Calculation of Earthmoving Costs

Tyrone Mine
 Worksheet #13
 05/10/02

Equipment Type	Task	Location 1	Location 2	Unit Cost (\$/unit)
Tailing Pipeline Corridor				
Dozers-Earthmoving				
	0	0	0	NA
Dozers-Grading				
D11N	Grade GC material	Pipeline Corridor		26.90
Rippers				
D11N	Rip existing surface	Pipeline Corridor		158.64
Loaders				
EX3500	Load GC material on trucks	Pipeline Corridor		0.22
Trucks				
530M	Haul GC material	Pipeline Corridor		0.36

BOND AMOUNT CALCULATION
 New Mexico Mining and Minerals Division
Summary Calculation of Earthmoving Costs

Tyrone Mine
 Worksheet #13
 05/10/02

Equipment Type	Task	Location 1	Location 2	Unit Cost (\$/unit)
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EQUIPMENTEquipment Description

Cat D11N Bulldozer
 Cat D11N Bulldozer w/ adjustable parallelogram
 Cat D8R Bulldozer
 Cat D9R Bulldozer
 Cat 651E Scraper
 Cat D350E Series II Articulated Truck
 Komatsu 530M Truck
 Cat 777D Truck
 Hitachi EX3500-2 Shovel
 Cat 990 Loader
 Cat 16H Motor Grader
 Off-Hwy Water Tanker Truck, 10,000-gal.
 Light Duty Truck, 4x4, 1 ton

FUEL

Oil Broker Quote (\$0.84/gal) + contingency (\$0.16/gal)
 Base Diesel Cost, Tractors & Earthmoving
 Base Diesel Cost, Trucks
 Base Diesel Cost, Excavating
 Fuel Adjustment Factor, Tractors & Earthmoving
 Fuel Adjustment Factor, Trucks
 Fuel Adjustment Factor, Excavating

LABOR

Labor Description	NMDOL Type A Operator Group	NMDOL Type A Operator Classification
Operator, Cat D11N Bulldozer	Equipment Operator VIII	Bulldozer (mult. Units)
Operator, Komatsu 530M Truck	Truck Driver III	Off-Highway Hauler
Operator, Hitachi EX3500-2 Shovel	Equipment Operator VIII	Shovel (over 3 cy)
Operator, Cat 992G Loader	Equipment Operator VI	Loader (over 10 cy)
Operator, Cat 16H Motor Grader	Equipment Operator IV	Motor Grader
Operator, 10,000-gallon Water Truck	Truck Driver III	Tank Truck (over 6,000)
Mechanic	Equipment Operator VI	Mechanic and/or Welder
Oiler	Equipment Operator II	Oiler

BOND AMOUNT CALCULATION

New Mexico Mining and Minerals Division

Summary Calculation of Earthmoving Costs

Tyrone Mine

Worksheet #13

05/10/02

Equipment Type	Task	Location 1	Location 2	Unit Cost (\$/unit)
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Data Sources:

Primedia Cost Reference Guide for Construction Equipment (2001)

Porter Oil, Silver City, NM (February 2002)

The portion of the financial assurance amount for earthwork at pits and adjacent stockpiles, including the following units, is to be evaluated through a feasibility study as specified in DP-1341 for the New Mexico Environment Department and through the MMD permit revision process for establishing a closeout plan under the New Mexico Mining Act: Main Pit, West Main Pit, Valencia Pit, Savanna Pit, Gettysburg Pit, South Rim Pit, Copper Mountain Pit, San Salvador Hill Pit, Savanna Stockpile, Gettysburg In-Pit Stockpile, East Main Pit Stockpile.

The portion of the financial assurance amount for specific earthwork, revegetation, and other reclamation activities, including the following areas or measures, is to be evaluated through the MMD permit revision process for establishing a closeout plan under the New Mexico Mining Act: Mine Maintenance Facilities, SX/EW Plant, Lubrication Shop, Acid Unloading, Roads, Wildlife Monitoring.

BOND AMOUNT CALCULATION
New Mexico Mining and Minerals Division
Other Reclamation Activity Costs

Tyrone Mine
Worksheet #15
05/10/02
Adjusted

Activity	Quantity Unit	Unit Cost (\$/unit)	Item Cost (\$)	Item Cost (\$)
Combined Stockpiles/Tailings/Corridor Areas				
Erosion control crew	see O&M ---	---	8,346,856	7,320,193
Road maintenance crew	see O&M ---	---	4,760,013	4,760,013
Stockpiles Area				
Fencing, Mine/Stockpile perimeter (incl. No. 1)	75,000 feet	2.05	153,750	134,839
Safety berm, Pits perimeter	64,000 feet	16.76	1,072,800	940,846
Chain link fence, Pits perimeter	64,000 feet	17.79	1,138,560	998,517
Razor wire, Pits perimeter	64,000 feet	0.98	62,400	54,725
Pedestrian gates, Pits perimeter	9 opening	237.00	2,133	1,871
Vehicle gates, Pits perimeter	9 opening	1,206.00	10,854	9,519
Toe Control (demo-fill-cover unused SW or PLS ponds)	1 ls	NA	500,000	500,000
Abandon exploration holes	200 holes	600.00	120,000	120,000
Screening plant for oversize control	see O&M ---	---	745,056	745,056
Wildlife monitoring	1 ls	NA	0	0
Outslope ditch, 200' downslope int., SP No. 1	11,910 feet	8.46	100,759	88,365
Outslope ditch, 200' downslope int., SP No. 1A	16,080 feet	8.46	136,037	119,304
Outslope ditch, 200' downslope int., SP No. 1B	21,110 feet	8.46	178,591	156,624
Outslope ditch, 200' downslope int., SP No. 1C	50,370 feet	8.46	426,130	373,716
Outslope ditch, 200' downslope int., SP No. 1D	24,015 feet	8.46	203,167	178,177
Outslope ditch, 200' downslope int., SP No. 2	26,890 feet	8.46	227,489	199,508
Outslope ditch, 200' downslope int., SP No. 2A	125,020 feet	8.46	1,057,669	927,576
Outslope ditch, 200' downslope int., SP No. 3	68,210 feet	8.46	577,057	506,079
Outslope ditch, 200' downslope int., SP No. 3B	26,010 feet	8.46	220,045	192,979
Outslope ditch, 200' downslope int., SP No. 9A	0 feet	8.46	0	0
Outslope ditch, 200' downslope int., Main Pit SP	0 feet	8.46	0	0
Outslope ditch, 200' downslope int., Gettys In-Pit SP	0 feet	8.46	0	0
Outslope ditch, 200' downslope int., Gettys Out-Pit SP	1,900 feet	8.46	16,074	14,097
Outslope ditch, 200' downslope int., East Main Pit SP	7,160 feet	8.46	60,574	53,123
Outslope ditch, 200' downslope int., Savannah SP	4,740 feet	8.46	40,100	35,168
Outslope ditch, 200' downslope int., Raf Tanks OB SP	0 feet	8.46	0	0
Outslope ditch rip rap, haul, SP No. 1	7,820 cy	7.33	57,324	50,273
Outslope ditch rip rap, haul, SP No. 1A	10,559 cy	7.33	77,394	67,875
Outslope ditch rip rap, haul, SP No. 1B	13,861 cy	7.33	101,604	89,106
Outslope ditch rip rap, haul, SP No. 1C	33,074 cy	7.33	242,434	212,614

Attachment B - Table 3 - Tab "15...Other" - Color Coding of Original Estimates to Show Each Cost Component Proposed for Reduction in 2009

Activity	Quantity	Unit	Unit Cost (\$/unit)	Item Cost (\$)	Adjusted Cost (\$)
Outslope ditch rip rap, haul, SP No. 1D	15,769	cy	7.33	115,586	101,369
Outslope ditch rip rap, haul, SP No. 2	17,657	cy	7.33	129,423	113,504
Outslope ditch rip rap, haul, SP No. 2A	82,091	cy	7.33	601,729	527,716
Outslope ditch rip rap, haul, SP No. 3	44,788	cy	7.33	328,299	287,918
Outslope ditch rip rap, haul, SP No. 3B	17,079	cy	7.33	125,188	109,790
Outslope ditch rip rap, haul, SP No. 9A	0	cy	7.33	0	0
Outslope ditch rip rap, haul, Main Pit SP	0	cy	7.33	0	0
Outslope ditch rip rap, haul, Gettys In-Pit SP	0	cy	7.33	0	0
Outslope ditch rip rap, haul, Gettys Out-Pit SP	1,248	cy	7.33	9,145	8,020
Outslope ditch rip rap, haul, East Main Pit SP	4,701	cy	7.33	34,462	30,223
Outslope ditch rip rap, haul, Savannah SP	3,112	cy	7.33	22,814	20,008
Outslope ditch rip rap, haul, Raf Tanks OB SP	0	cy	7.33	0	0
Outslope ditch rip rap, backfill, SP No. 1	7,820	cy	1.72	13,451	11,797
Outslope ditch rip rap, backfill, SP No. 1A	10,559	cy	1.72	18,161	15,927
Outslope ditch rip rap, backfill, SP No. 1B	13,861	cy	1.72	23,842	20,909
Outslope ditch rip rap, backfill, SP No. 1C	33,074	cy	1.72	56,888	49,890
Outslope ditch rip rap, backfill, SP No. 1D	15,769	cy	1.72	27,122	23,786
Outslope ditch rip rap, backfill, SP No. 2	17,657	cy	1.72	30,369	26,634
Outslope ditch rip rap, backfill, SP No. 2A	82,091	cy	1.72	141,197	123,830
Outslope ditch rip rap, backfill, SP No. 3	44,788	cy	1.72	77,036	67,561
Outslope ditch rip rap, backfill, SP No. 3B	17,079	cy	1.72	29,376	25,762
Outslope ditch rip rap, backfill, SP No. 9A	0	cy	1.72	0	0
Outslope ditch rip rap, backfill, Main Pit SP	0	cy	1.72	0	0
Outslope ditch rip rap, backfill, Gettys In-Pit SP	0	cy	1.72	0	0
Outslope ditch rip rap, backfill, Gettys Out-Pit SP	1,248	cy	1.72	2,146	1,882
Outslope ditch rip rap, backfill, East Main Pit SP	4,701	cy	1.72	8,086	7,092
Outslope ditch rip rap, backfill, Savannah SP	3,112	cy	1.72	5,353	4,695
Outslope ditch rip rap, backfill, Raf Tanks OB SP	0	cy	1.72	0	0

Tailings Area

Fencing, Tailing Ponds perimeter (incl. Burro Mtn)	175,000	feet	2.05	358,750	314,624
Screening plant for rip rap production	see O&M ---		---	745,056	745,056
Outslope ditch, 100' horiz. int., TP 1	50,000	feet	8.46	423,000	370,971
Outslope ditch, 100' horiz. int., TP 1A	27,000	feet	8.46	228,420	200,324
Outslope ditch, 100' horiz. int., TP 1X	19,000	feet	8.46	160,740	140,969
Outslope ditch, 100' horiz. int., TP 2	44,000	feet	8.46	372,240	326,454
Outslope ditch, 100' horiz. int., TP 3	38,000	feet	8.46	321,480	281,938
Outslope ditch, 100' horiz. int., TP 3X	28,000	feet	8.46	236,880	207,744
Outslope ditch, 100' horiz. int., Burro Mtn	4,000	feet	8.46	33,840	29,678
Outslope ditch rip rap, haul, TP 1	32,831	cy	7.33	240,653	211,053
Outslope ditch rip rap, haul, TP 1A	17,729	cy	7.33	129,953	113,968
Outslope ditch rip rap, haul, TP 1X	12,476	cy	7.33	91,448	80,200

Attachment B - Table 3 - Tab "15...Other" - Color Coding of Original Estimates to Show Each Cost Component Proposed for Reduction in 2009

Activity	Quantity	Unit	Unit Cost (\$/unit)	Item Cost (\$)	Item Cost (\$)
Outslope ditch rip rap, haul, TP 2	28,891	cy	7.33	211,775	185,726
Outslope ditch rip rap, haul, TP 3	24,952	cy	7.33	182,896	160,400
Outslope ditch rip rap, haul, TP 3X	18,385	cy	7.33	134,766	118,189
Outslope ditch rip rap, haul, TP Burro Mtn	2,626	cy	7.33	19,252	16,884
Outslope ditch rip rap, backfill, TP 1	32,831	cy	1.72	56,470	49,524
Outslope ditch rip rap, backfill, TP 1A	17,729	cy	1.72	30,494	26,743
Outslope ditch rip rap, backfill, TP 1X	12,476	cy	1.72	21,458	18,819
Outslope ditch rip rap, backfill, TP 2	28,891	cy	1.72	49,693	43,581
Outslope ditch rip rap, backfill, TP 3	24,952	cy	1.72	42,917	37,638
Outslope ditch rip rap, backfill, TP 3X	18,385	cy	1.72	31,623	27,733
Outslope ditch rip rap, backfill, TP Burr. Mtn	2,626	cy	1.72	4,518	3,962
Spillways & Stilling Basins (6)	1	ls	NA	5,341,395	5,341,395
Channels, TP 1	1	ls	NA	1,768,819	1,768,819
Channels, TP 1A	1	ls	NA	1,522,385	1,522,385
Channels, TP 1X	1	ls	NA	1,702,607	1,702,607
Channels, TP 2	1	ls	NA	2,081,163	2,081,163
Channels, TP 3	1	ls	NA	2,340,509	2,340,509
Channels, TP 3X	1	ls	NA	1,401,551	1,401,551
Channels, Burro Mtn TP	1	ls	NA	257,157	257,157
Redesign of the Break Area, TP No. 3	1	ls	NA	976,445	976,445
Wildlife monitoring	1	ls	NA	0	0
Total				\$41,532,685	

Attachment B - Table 3 - Tab "15...Other" - Color Coding of Original Estimates to Show Each Cost Component Proposed for Reduction in 2009

Activity	Quantity	Unit	Unit Cost (\$/unit)	Item Cost (\$)	Adjusted Item Cost (\$)
Road Maintenance Crew		Owning/ Operating	Labor Rate (\$/hr)	Subtotal (\$/hr)	Subtotal (\$/month)
Cat 16H Motor Grader	75.65		25.00	100.65	2181.09
10,000-gal Water Truck	115.36		25.00	140.36	3041.65
10,000-gal Water Truck	115.36		25.00	140.36	3041.65
Mech. with Truck (50% FTE)	4.43		12.50	16.93	366.97
Oiler with Truck (25% FTE)	2.22		6.25	8.47	183.49
TOTAL				406.78	8814.84

BOND AMOUNT CALCULATION
New Mexico Mining and Minerals Division
Other Reclamation Activity Costs

Activity	Reference	Means Line Item	Description
Combined Stockpiles/Tailings/Corridor Areas			
Erosion control crew	Means	Crew B-13A	Crew components...see note 1 for full description
Road maintenance crew	PRIMEDIA		See road maintenance crew above
Stockpiles Area			
Fencing, Mine/Stockpile perimeter (incl. No. 1)	Means	02820-875-1650	Fence, barbed wire, galv., \$.41/strand, 5 strands
Safety berm, Pits perimeter	Means	G1030-115-3350	Cut & fill...see note 2 for full description
Chain link fence, Pits perimeter	Means	02820-528-0800	Fence...see note 3 for full description
Razor wire, Pits perimeter	Means	02820-890-0500	Helical razor ribbon, stainless steel, 18" dia. X 18" spacing
Pedestrian gates, Pits perimeter	Means	02820-528-1400	Gate for 6' high fence, 1-5/8" frame, 3' wide, galv. steel
Vehicle gates, Pits perimeter	Means	02820-528-5070	Double swing gates, incl. Posts & hardware, 6' x 20'
Toe Control (demo-fill-cover unused SW or PLS ponds)	PDTI	May 2001 submittal, Volume II	
Abandon exploration holes	PDTI		Reclamation cost estimate
Screening plant for oversize control	PRIMEDIA		See note 6 for full description
Wildlife monitoring			
Outslope ditch, 200' downslope int., SP No. 1	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., SP No. 1A	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., SP No. 1B	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., SP No. 1C	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., SP No. 1D	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., SP No. 2	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., SP No. 2A	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., SP No. 3	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., SP No. 3B	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., SP No. 9A	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., Main Pit SP	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., Gettys In-Pit SP	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., Gettys Out-Pit SP	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., East Main Pit SP	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., Savannah SP	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 200' downslope int., Raf Tanks OB SP	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch rip rap, haul, SP No. 1	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, SP No. 1A	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, SP No. 1B	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, SP No. 1C	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT

Attachment B - Table 3 - Tab "15...Other" - Color Coding of Original Estimates to Show Each Cost Component Proposed for Reduction in 2009

Activity	Reference	Means Line Item	Description
Outslope ditch rip rap, haul, SP No. 1D	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, SP No. 2	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, SP No. 2A	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, SP No. 3	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, SP No. 3B	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, SP No. 9A	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, Main Pit SP	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, Gettys In-Pit SP	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, Gettys Out-Pit SP	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, East Main Pit SP	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, Savannah SP	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, Raf Tanks OB SP	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, backfill, SP No. 1	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, SP No. 1A	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, SP No. 1B	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, SP No. 1C	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, SP No. 1D	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, SP No. 2	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, SP No. 2A	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, SP No. 3	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, SP No. 3B	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, SP No. 9A	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, Main Pit SP	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, Gettys In-Pit SP	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, Gettys Out-Pit SP	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, East Main Pit SP	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, Savannah SP	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, Raf Tanks OB SP	Means	G1030-205-3050	Gravel backfill...see note 5 for full description

Tailings Area

Fencing, Tailing Ponds perimeter (incl. Burro Mtn)	Means	02820-875-1650	Fence, barbed wire, galv., \$0.41/strand, 5 strands
Screening plant for rip rap production	PRIMEDIA		See note 6 for full description
Outslope ditch, 100' horiz. int., TP 1	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 100' horiz. int., TP 1A	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 100' horiz. int., TP 1X	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 100' horiz. int., TP 2	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 100' horiz. int., TP 3	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 100' horiz. int., TP 3X	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch, 100' horiz. int., Burro Mtn	Means	G1030-805-6620	Excavation...see note 4 for full description
Outslope ditch rip rap, haul, TP 1	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, TP 1A	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, TP 1X	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT

Attachment B - Table 3 - Tab "15...Other" - Color Coding of Original Estimates to Show Each Cost Component Proposed for Reduction in 2009

Activity	Reference	Means	Description
Outslope ditch rip rap, haul, TP 2	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, TP 3	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, TP 3X	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, haul, TP Burro Mtn	Means	G1030-150-7600	Load & Haul rock, 5-cy loader, 12 20-cy trailers, 3-mile RT
Outslope ditch rip rap, backfill, TP 1	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, TP 1A	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, TP 1X	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, TP 2	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, TP 3	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, TP 3X	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Outslope ditch rip rap, backfill, TP Burr. Mtn	Means	G1030-205-3050	Gravel backfill...see note 5 for full description
Spillways & Stilling Basins (6)	PDTI	May 2001 submittal, Volume II	
Channels, TP 1	PDTI	May 2001 submittal, Volume II	
Channels, TP 1A	PDTI	May 2001 submittal, Volume II	
Channels, TP 1X	PDTI	May 2001 submittal, Volume II	
Channels, TP 2	PDTI	May 2001 submittal, Volume II	
Channels, TP 3	PDTI	May 2001 submittal, Volume II	
Channels, TP 3X	PDTI	May 2001 submittal, Volume II	
Channels, Burro Mtn TP	PDTI	May 2001 submittal, Volume II	
Redesign of the Break Area, TP No. 3	PDTI	May 2001 submittal, Volume II	
Wildlife monitoring			

Attachment B - Table 3 - Tab "15...Other" - Color Coding of Original Estimates to Show Each Cost Component Proposed for Reduction in 2009

Activity	Reference	Means Line Item	Description
	Description Notes:		
	1)	1 Foreman, 2 laborers, 2 equip. operators, 2 truck drivers, 1 crane (75 ton), 1 FE loader (3.75 cy), 2 dump trucks (12 ton)	
	2)	Cut & fill common earth, 300 HP dozer & roller compactor, 300' haul, 8" lifts, \$7.45/4 passes, 6' berm = 9 passes	
Road Maintenance Crew	3)	Fence, chain link industrial, schedule 40, 6 ga. wire, 6' high, no barbed wire, galv. steel	
	4)	Excavation, trench, hydraulic backhoe, track mounted, 2:1 side slopes, 2' wide, 3' deep, 3/8 cy bucket	
Cat 16H Motor Grader	5)	Gravel Backfill, 300 hp dozer & compactors, 150' haul, 6 lifts, 4 passes	
10,000-gal Water Truck	6)	Single deck portable screening plant, 5'x 16', @ \$33.16/hr and heavy duty portable belt conveyor, 42"x 60", 1300 tons/hr, @\$26.54/hr	
10,000-gal Water Truck			
Mech. with Truck (50% FTE)			
Oiler with Truck (25% FTE)			
	Data Sources:		
		Means Site Work & Landscape Cost Data (2002)	
	TOTAL		
	Location adjustment:		
		Las Cruces	87.7%

The portion of the financial assurance amount for specific earthwork, revegetation, and other reclamation activities, including the following areas or measures, is to be evaluated through the MMD permit revision process for establishing a closeout plan under the New Mexico Mining Act: Mine Maintenance Facilities, SX/EW Plant, Lubrication Shop, Acid Unloading, Roads, Wildlife Monitoring.

BOND AMOUNT CALCULATION				Tyrone Mine			
New Mexico Mining and Minerals Division				05/10/02			
Itemized Reclamation Bond							
Stockpile Area							
	No. 1 SP	No. 1A SP	No. 1B SP	No. 1C SP	No. 1D SP	No. 2 SP	No. 2A SP
Earthwork							
Pushdown existing outcrops	\$254,397	\$1,491,831	\$1,501,632	\$5,559,544	\$3,201,645	\$863,845	\$16,300,904
Grade Existing Surface	\$4,534	\$632	\$2,203	\$6,980	\$2,214	\$19,772	\$3,558
Grade GC Material	\$4,280	\$1,562	\$4,364	\$7,251	\$5,890	\$15,182	\$9,972
Rip Existing Surface	\$18,715	\$4,559	\$10,259	\$27,591	\$10,300	\$74,004	\$15,177
Load GC Material on trucks	\$259,000	\$110,294	\$278,341	\$430,204	\$384,932	\$821,571	\$693,509
Haul GC Material	\$992,438	\$484,091	\$1,221,668	\$2,098,009	\$563,169	\$6,009,923	\$4,396,716
Pullback: load SP mat'l on trucks				\$6,960,334			
Pullback: haul SP mat'l				\$6,788,797			
Revegetation 160 % (plow, apply fertilizer, seed mix, mulch and crimp mulch)	\$223,213	\$469,722	\$247,355	\$374,684	\$342,080	\$728,076	\$581,259
Other							
Fencing, perimeter							
Screening plant for rip rap prod.	\$57,312	\$57,312	\$57,312	\$57,312	\$57,312	\$57,312	\$57,312
Outslope ditch, 200' downslope int.	\$88,365	\$119,304	\$156,624	\$373,716	\$178,177	\$199,508	\$927,576
Outslope ditch rip rap, haul	\$50,273	\$67,875	\$89,106	\$212,614	\$101,369	\$113,504	\$527,716
Outslope ditch rip rap, backfill	\$11,797	\$15,927	\$20,909	\$49,890	\$23,786	\$26,634	\$123,830
Direct Cost Sum	\$1,964,324	\$2,823,108	\$3,589,774	\$22,946,928	\$4,870,873	\$8,929,332	\$23,637,529
Indirect Sum 39.6%							
Indirect Cost Sum	\$777,872	\$1,117,951	\$1,421,551	\$9,086,984	\$1,928,866	\$3,536,015	\$9,360,461
Grant County Tax 5.9375% (changed from 5.8125%)							
Gross Receipts Tax	\$162,818	\$0	\$0	\$0	\$0	\$0	\$0
Total MMD Bond Amount - SP	\$2,905,014	\$3,941,059	\$5,011,325	\$32,033,912	\$6,799,739	\$12,465,347	\$32,997,991
wo Tax	2,742,197						
Total for all Stockpile Areas							
\$126,842,949							

Financial Assurance Release Cost Calculation

Scope of Work Completed: Complete Reclamation: Stockpile 1

Colors on title blocks below correspond to color coding on tab "13...Earthsum" and "15...Other" to show exactly which cells were summed to match the scope of work and associated costs for the 2009 financial assurance reduction request.

Stockpile Area

	Stockpile No.1			Grand Total
Earthwork				
Pushdown existing outslopes	\$254,397			
Grade Existing Surface	\$4,534			
Grade GC Material (1)	\$4,280			
Rip Existing Surface (3)	\$18,715			
Load GC Material on trucks (1)	\$259,000			
Haul GC Material (1)	\$992,438			
Scraper assist w/ dozer (1)	\$0			
Haul GC Material w/ scrapers (1)	\$0			
Revegetation 100% (plow, apply fertilizer, seed mix, mulch and crimp mulch)	\$0			
Other				
Fencing, TP perimeter	\$0			
Screening plant for rip rap prod. (2)(4)	\$57,312			
Outslope ditch, 100'horiz. Int.	\$88,365			
Outslope ditch rip rap, haul (2)	\$50,273			
Outslope ditch rip rap, backfill (2)	\$11,797			
	\$0			
	\$0			
	\$0			
Direct Cost Sum	\$1,741,112			
Indirect Sum 39.6%				
Indirect Cost Sum	\$689,480			
Total without NMGR =	\$2,430,592			\$2,430,592

This amount to be removed from
NPV calculation

Notes:

- 1) Entire stockpile surface and associated impacted areas were covered with a minimum of 3 feet of cover, so no reduction multiplier is warranted - i.e., multiplier is 1
- 2) Riprap items - previous years reduction multiplier was 0.7, no multiplier, or a multiplier of 1 is used herein because all cover is a minimum of 3 feet.
- 3) Equals 16,449 plus ((miscellaneous + reservoirs + haul roads)/14)

Attachment C

Proposed Modifications to Financial Assurance Cash Flow and NPV Calculation

Attachment C. Removal of Costs for Stockpile 1 - Summary Sheet

Date:	7-Dec-09			
Recalculation based on Agency Response of April 6, 2009 and subsequent evaluations				
Description:				
This FA workbook was changed to document the change to FA that would occur if the cost of work completed in 4 Tyrone project areas in 2008 was removed from the FA calculation.				
This calculation is performed by subtracting the total cost of the four projects shown on the last tab from the cash flow shown on the "Current Cost" Tab, "Earthwork", Column C (see note below).				
Summary Table				
Values prior to 2009 Reduction (prior values approved in December 2009)				
Component	Current Cost	NPV		
Earthwork	\$142,397,456	\$112,633,268		
Water Treatment	\$195,376,030	\$72,867,719		
Additional Studies	\$2,263,170	\$2,263,170		
Added Rec Cost	\$0	\$0		
Total	\$340,036,657	\$187,764,157	wo Cu Mtn So	
Values after Costs Removed - Assume costs taken equally out of years 1 through 13				
Component	Current Cost	NPV		
Earthwork	\$139,966,862	\$110,428,742		
Water Treatment	\$195,376,030	\$72,867,719		
Additional Studies	\$2,263,170	\$2,263,170		
Added Rec Cost	\$0	\$0		
Total	\$337,606,062	\$185,559,631	wo Cu Mtn So	
Delta Total	\$2,430,595	\$2,204,526		
Check	\$3 more due to rounding			
Note:				
To remove the costs, the total amount of \$2,430,592 is equally distributed over 13 years of earthwork. The original values and the adjusted values are shown in columns to the right on the Current Cost tab.				



State of New Mexico
ENERGY, MINERALS and NATURAL RESOURCES
DEPARTMENT
ENVIRONMENT DEPARTMENT

Bill Richardson
GOVERNOR

Joanna Prukop
SECRETARY

Ron Curry
SECRETARY

MINE CLOSURE FINANCIAL ASSURANCE SUMMARY

DRAFT - Tyrone Proposal for financial assurance

Permit	DP-1341& GR010RE
Facility	Tyrone Mine
Operator	Freeport McMoRan Tyrone, Inc.
Address	P.O. Drawer 571 Tyrone, NM 88065
Contact	Tom Shelley 575.538.7173
Closure Cost (Current Dollars)	\$ 337,606,062
Required Financial Assurance (NPV)	\$ 185,559,631

NEW MEXICO ED and MMD

DP-1341 & GR010RE Tyrone Mine Closure Financial Assurance

(From Table 9.1, AR DP-1341 A-308; NOTE: Current (2003) Cash flow reflecting Tyrone's proposal to reduce financial assurance for work completed by end of 2009)

Year	Earthwork	Reveg	Plant	Treatment	Maintenance	Total
1	2828963	0	18568573	6409000	0	27806536
2	3667331	20153	0	5319900	221000	9228384
3	9737251	60114	0	4206100	221000	14224466
4	9737251	84332	0	3603400	221000	13645984
5	9737251	109694	0	2889700	221000	12957646
6	9737251	148223	0	1978800	221000	12085275
7	9737251	182581	0	1952700	221000	12093534
8	9737251	182581	0	1922800	221000	12063633
9	9737251	200535	0	1891200	221000	12049987
10	9737251	235421	0	1869500	221000	12063173
11	9737251	235421	0	1842500	221000	12036173
12	9737251	235421	0	1815000	221000	12008673
13	9737251	263272	0	1792400	221000	12013924
14	704229	262274	0	1771500	221000	2959003
15	0	238289	0	1749300	221000	2208590
16	0	230463	0	1726100	221000	2177564
17	0	205101	0	1712800	221000	2138901
18	0	166573	0	1690500	221000	2078073
19	0	132213	0	1685100	221000	2038313
20	0	132213	0	1671200	221000	2024414
21	0	114261	0	1665700	221000	2000961
22	0	79373	0	1627400	221000	1927774
23	0	79373	0	1625300	221000	1925674
24	0	79373	0	1616000	221000	1916374
25	0	51522	0	1613900	221000	1886423
26	0	32368	0	1609400	221000	1862768
27	0	16391	0	1609400	221000	1846791
28	0	0	0	1600300	221000	1821300
29	0	0	0	1598100	221000	1819101
30	0	0	0	1595600	221000	1816600
31	0	0	0	1595600	221000	1816600
32	0	0	0	1593500	221000	1814500
33	0	0	0	1584400	221000	1805400
34	0	0	0	1584400	221000	1805400
35	0	0	0	1582000	221000	1803001
36	0	0	0	1582000	221000	1803001
37	0	0	0	1578600	221000	1799600
38	0	0	0	1578600	221000	1799600
39	0	0	0	1577100	221000	1798100
40	0	0	0	1577100	221000	1798100
41	0	0	608178	1568500	221000	2397678
42	0	0	0	1568500	221000	1789500
43	0	0	0	1568500	221000	1789500
44	0	0	0	1566100	221000	1787101
45	0	0	0	1566100	221000	1787101
46	0	0	0	1563800	221000	1784800
47	0	0	0	1563800	221000	1784800
48	0	0	0	1563800	221000	1784800
49	0	0	0	1561400	221000	1782400
50	0	0	0	1561400	221000	1782400
51	0	0	1556700	1561400	221000	3339100
52	0	0	0	1552700	221000	1773701
53	0	0	0	1552700	221000	1773701

Earthwork			
	Original Values	Adjusted Values	diff
1	3,015,932	2,828,963	186,969
2	3,854,300	3,667,331	186,969
3	9,924,220	9,737,251	186,969
4	9,924,220	9,737,251	186,969
5	9,924,220	9,737,251	186,969
6	9,924,220	9,737,251	186,969
7	9,924,220	9,737,251	186,969
8	9,924,220	9,737,251	186,969
9	9,924,220	9,737,251	186,969
10	9,924,220	9,737,251	186,969
11	9,924,220	9,737,251	186,969
12	9,924,220	9,737,251	186,969
13	9,924,220	9,737,251	186,969
Total Check		2,430,592	OK

\$186,969 equals \$2,430,592 ÷ 13

\$2,430,592 2003\$ release amount

NEW MEXICO ED and MMD

DP-1341 & GR010RE Tyrone Mine Closure Financial Assurance

(From Table 9.1, AR DP-1341 A-308; NOTE: Current (2003) Cash flow reflecting Tyrone's proposal to reduce financial assurance

for work completed by end of 2009)

Year	Earthwork	Reveg	Plant	Treatment	Maintenance	Total
54	0	0	0	1552700	221000	1773701
55	0	0	0	1550300	221000	1771300
56	0	0	0	1550300	221000	1771300
57	0	0	0	1550300	221000	1771300
58	0	0	0	1550300	221000	1771300
59	0	0	0	1547900	221000	1768901
60	0	0	0	1547900	221000	1768901
61	0	0	0	1547900	221000	1768901
62	0	0	0	1547900	221000	1768901
63	0	0	0	1545400	221000	1766400
64	0	0	0	1545400	221000	1766400
65	0	0	0	1545400	221000	1766400
66	0	0	0	1545400	221000	1766400
67	0	0	0	1536800	221000	1757801
68	0	0	0	1536800	221000	1757801
69	0	0	0	1536800	221000	1757801
70	0	0	0	1536800	221000	1757801
71	0	0	0	1536800	221000	1757801
72	0	0	0	1534300	221000	1755300
73	0	0	0	1534300	221000	1755300
74	0	0	0	1534300	221000	1755300
75	0	0	0	1534300	221000	1755300
76	0	0	0	1534300	221000	1755300
77	0	0	0	1534300	221000	1755300
78	0	0	0	1534300	221000	1755300
79	0	0	0	1531900	221000	1752901
80	0	0	0	1531900	221000	1752901
81	0	0	608178	1531900	221000	2361078
82	0	0	0	1531900	221000	1752901
83	0	0	0	1531900	221000	1752901
84	0	0	0	1531900	221000	1752901
85	0	0	0	1531900	221000	1752901
86	0	0	0	1531900	221000	1752901
87	0	0	0	1531900	221000	1752901
88	0	0	0	1529500	221000	1750500
89	0	0	0	1529500	221000	1750500
90	0	0	0	1529500	221000	1750500
91	0	0	0	1529500	221000	1750500
92	0	0	0	1529500	221000	1750500
93	0	0	0	1529500	221000	1750500
94	0	0	0	1529500	221000	1750500
95	0	0	0	1529500	221000	1750500
96	0	0	0	1529500	221000	1750500
97	0	0	0	1529500	221000	1750500
98	0	0	0	1529500	221000	1750500
99	0	0	0	1529500	221000	1750500
100	0	0	0	1529500	221000	1750500
Total	114310289	3777538	21341628	174034402	21879035	335342892

Earthwork		
Original Values	Adjusted Values	diff

NEW MEXICO ED & MMD

DP-1341 & GR010RE Tyrone Mine Closure Financial Assurance; NOTE: Reflects Tyrone's proposal to reduce financial assurance for work completed through 2009 on Stockpile 1.

	Escalation Rate	Yr 1-12 Discount Rate	Yr 13-100 Discount Rate
Earth	3.64%	5.00%	8.00%
Water	3.17%	5.00%	8.00%

Component	Current Cost	NPV
Earthwork	\$139,966,862	\$110,428,742
Water Treatment	\$195,376,030	\$72,867,719
Additional Studies	\$2,263,170	\$2,263,170
Added Rec Cost	\$0	\$0
Total	\$337,606,062	\$185,559,631

Year	Earthwork Current Cost	Earthwork NPV	Water Treatment Current Cost	Water Treatment NPV
1	2,828,963	2,828,963	24,977,573	24,977,573
2	3,908,484	3,857,860	5,319,900	5,227,182
3	10,018,366	9,760,523	4,206,100	4,060,765
4	10,042,584	9,657,390	3,603,400	3,418,259
5	10,067,946	9,556,377	2,889,700	2,693,452
6	10,106,474	9,468,697	1,978,800	1,812,269
7	10,140,833	9,377,828	1,952,700	1,757,197
8	10,140,833	9,256,363	1,922,800	1,700,134
9	10,158,787	9,152,646	1,891,200	1,643,049
10	10,193,673	9,065,122	1,869,500	1,595,889
11	10,193,673	8,947,707	1,842,500	1,545,428
12	10,193,673	8,831,813	1,815,000	1,495,830
13	10,221,524	6,233,894	1,792,400	1,035,121
14	1,187,503	694,996	1,771,500	977,298
15	459,290	257,951	1,749,300	921,891
16	451,464	243,320	1,726,100	868,983
17	426,101	220,379	1,712,800	823,724
18	387,573	192,360	1,690,500	776,640
19	353,213	168,230	1,685,100	739,537
20	353,213	161,438	1,671,200	700,636
21	335,261	147,047	1,665,700	667,099
22	300,374	126,427	1,627,400	622,612
23	300,374	121,323	1,625,300	594,000
24	300,374	116,425	1,616,000	564,188
25	272,523	101,365	1,613,900	538,256
26	253,368	90,436	1,609,400	512,750
27	237,392	81,313	1,609,400	489,819
28	221,000	72,643	1,600,300	465,267
29	221,000	69,710	1,598,100	443,849
30	221,000	66,896	1,595,600	423,335
31	221,000	64,195	1,595,600	404,403
32	221,000	61,604	1,593,500	385,809
33	221,000	59,117	1,584,400	366,450
34	221,000	56,730	1,584,400	350,061
35	221,000	54,440	1,582,000	333,899
36	221,000	52,242	1,582,000	318,967
37	221,000	50,133	1,578,600	304,047
38	221,000	48,109	1,578,600	290,449
39	221,000	46,167	1,577,100	277,196
40	221,000	44,303	1,577,100	264,799
41	221,000	42,515	2,176,678	349,125
42	221,000	40,798	1,568,500	240,326
43	221,000	39,151	1,568,500	229,578
44	221,000	37,571	1,566,100	218,976
45	221,000	36,054	1,566,100	209,182
46	221,000	34,598	1,563,800	199,534

Attachment C - Table 2. Financial Assurance w/Cost Reduced for Work Completed at Stockpile No. 1

Year	Earthwork Current Cost	Earthwork NPV	Water Treatment Current Cost	Water Treatment NPV
47	221,000	33,202	1,563,800	190,610
48	221,000	31,861	1,563,800	182,086
49	221,000	30,575	1,561,400	173,675
50	221,000	29,341	1,561,400	165,908
51	221,000	28,156	3,118,099	316,500
52	221,000	27,020	1,552,700	150,557
53	221,000	25,929	1,552,700	143,824
54	221,000	24,882	1,552,700	137,392
55	221,000	23,878	1,550,300	131,044
56	221,000	22,914	1,550,300	125,184
57	221,000	21,989	1,550,300	119,585
58	221,000	21,101	1,550,300	114,237
59	221,000	20,249	1,547,900	108,959
60	221,000	19,432	1,547,900	104,086
61	221,000	18,647	1,547,900	99,431
62	221,000	17,894	1,547,900	94,985
63	221,000	17,172	1,545,400	90,590
64	221,000	16,479	1,545,400	86,539
65	221,000	15,813	1,545,400	82,668
66	221,000	15,175	1,545,400	78,971
67	221,000	14,562	1,536,800	75,020
68	221,000	13,975	1,536,800	71,665
69	221,000	13,410	1,536,800	68,460
70	221,000	12,869	1,536,800	65,398
71	221,000	12,349	1,536,800	62,473
72	221,000	11,851	1,534,300	59,582
73	221,000	11,372	1,534,300	56,918
74	221,000	10,913	1,534,300	54,372
75	221,000	10,473	1,534,300	51,941
76	221,000	10,050	1,534,300	49,618
77	221,000	9,644	1,534,300	47,399
78	221,000	9,255	1,534,300	45,279
79	221,000	8,881	1,531,900	43,186
80	221,000	8,523	1,531,900	41,255
81	221,000	8,179	2,140,078	55,056
82	221,000	7,849	1,531,900	37,647
83	221,000	7,532	1,531,900	35,964
84	221,000	7,228	1,531,900	34,355
85	221,000	6,936	1,531,900	32,819
86	221,000	6,656	1,531,900	31,351
87	221,000	6,387	1,531,900	29,949
88	221,000	6,129	1,529,500	28,565
89	221,000	5,882	1,529,500	27,287
90	221,000	5,644	1,529,500	26,067
91	221,000	5,417	1,529,500	24,901
92	221,000	5,198	1,529,500	23,788
93	221,000	4,988	1,529,500	22,724
94	221,000	4,787	1,529,500	21,707
95	221,000	4,593	1,529,500	20,737
96	221,000	4,408	1,529,500	19,809
97	221,000	4,230	1,529,500	18,923
98	221,000	4,059	1,529,500	18,077
99	221,000	3,895	1,529,500	17,269
100	221,000	3,738	1,529,500	16,496
Total	139,966,862	110,428,742	195,376,030	72,867,719

Attachment C - Direct Costs Summary for Work Completed at Stockpile No. 1

[illegible]

Attachment D

Present Day (2003) Financial Assurance Cost Estimate

Financial Assurance Reduction Calculation

Scope of Work Completed: Complete Reclamation of Stockpile 1

Refer to the project fact sheet, August 20, 2009 photo and Figure 1 for scope of work completed

2003\$, Approved Reclamation Cost Estimate	Stockpile No. 1		
	Requested Reduction	FA Amount Before Reduction	FA Amount After Reduction
Earthwork			
Pushdown existing outcrops	\$254,397		
Grade Existing Surface	\$4,534		
Grade GC Material (1)	\$4,280		
Rip Existing Surface (3)	\$18,715		
Load GC Material on trucks (1)	\$259,000		
Haul GC Material (1)	\$992,438		
Scraper assist w/ dozer (1)	\$0		
Haul GC Material w/ scrapers (1)	\$0		
Revegetation 100% (plow, apply fertilizer, seed mix, mulch and crimp mulch)	\$0		
Other			
Fencing, TP perimeter	\$0		
Screening plant for rip rap prod. (2)(4)	\$57,312		
Outslope ditch, 100'horiz. Int.	\$88,365		
Outslope ditch rip rap, haul (2)	\$50,273		
Outslope ditch rip rap, backfill (2)	\$11,797		
	\$0		
	\$0		
	\$0		
Direct Cost Sum	\$1,741,112		
Indirect Sum 39.6%			
Indirect Cost Sum	\$689,480		
Total without NMGR =	\$2,430,592	\$2,742,197	\$311,605

Notes:

- 1) Entire stockpile surface and associated impacted areas were covered with a minimum of 3 feet of cover, so no reduction multiplier is warranted - i.e., multiplier is 1.
- 2) Riprap items - previous years reduction multiplier was 0.7, no multiplier, or a multiplier of 1 is used herein because all cover is a minimum of 3 feet.
- 3) Equals 16,449 plus ((miscellaneous + reservoirs + haul roads)/14)
- 4) Equals 745,056/13

Project Completion Facts

Project Name: **No. 1 Stockpile Reclamation**

Construction/Activity Start Date: February 2005

Construction/Activity Completion Date: August 7, 2009

Acres Completed/Affected: 209/288 (mine rock covered area)/(covered + other disturbed areas)

Volume/Tonnage of Regrading: 1,300,000 cubic yards

Volume/Tonnage of Fill and Cover Material: 1,600,000 cubic yards

Linear Feet of Stormwater Conveyance Completed: 37,700 linear feet

Description of Work Completed: Regrading consisted of sloping of the top surface of the stockpile into two primary drainage channels; draining east and west off-site into natural drainages. The southwest sideslope was regraded to an overall 3H:1V. The southeast sideslope was regraded to an overall 3.5H:1V to 4.5H:1V. The northwest sideslope was regraded to an overall 3.5H:1V to 12H:1V.

The top surface cover material, consisting of Gila Conglomerate was placed over the top surface and northwest outslope to a minimum of 3 feet.

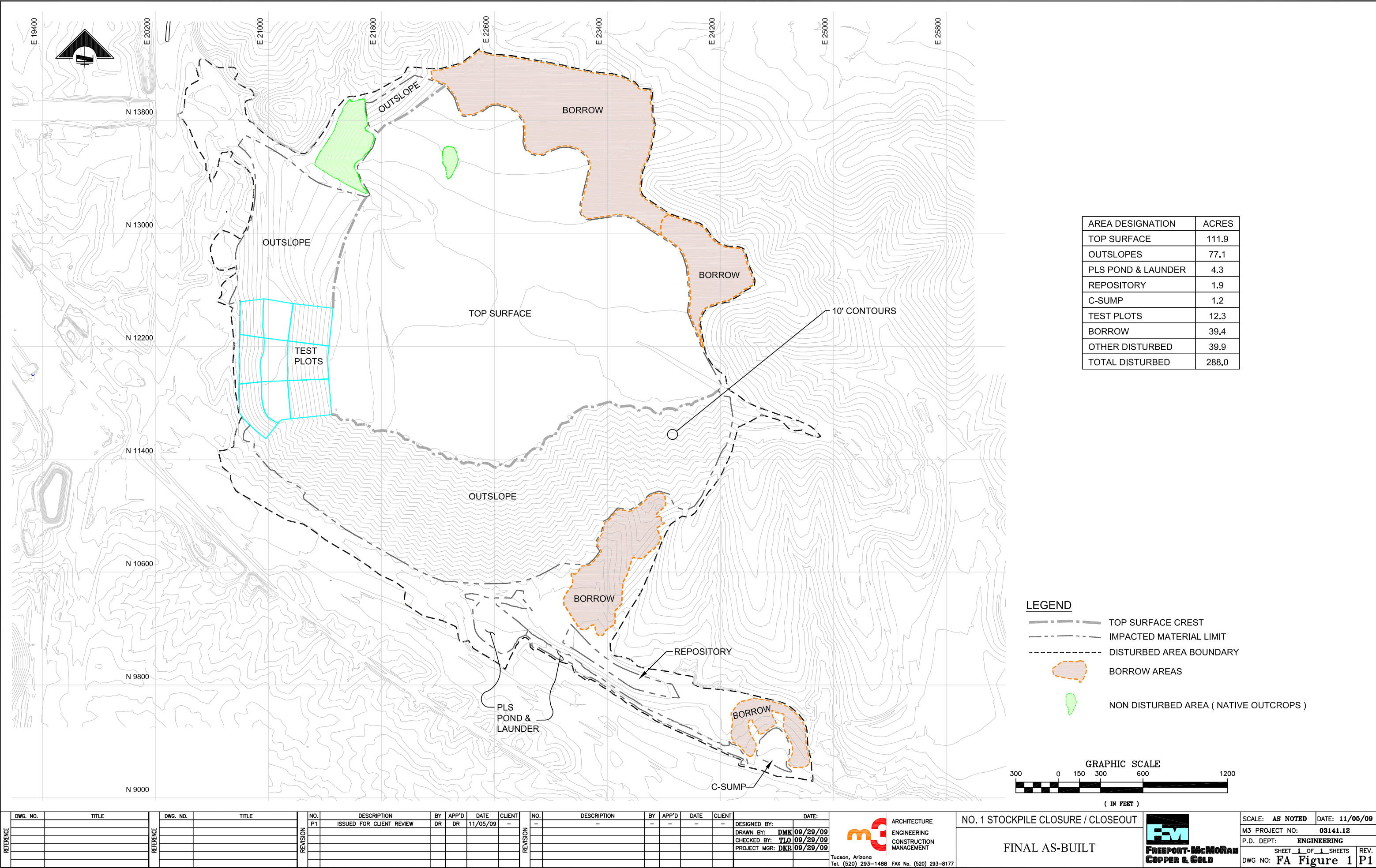
The south outslope cover material also consisted of Gila Conglomerate. The thickness of the cover varied between 3 feet to 8 feet, to achieve the required surface drainage pattern.

The PLS pond and C-sump were covered with an excess of 15 feet of cover.

Overall, the data indicate that 100% of the surface area of the No. 1 Stockpile has a minimum of 3 feet of cover (see attached map).

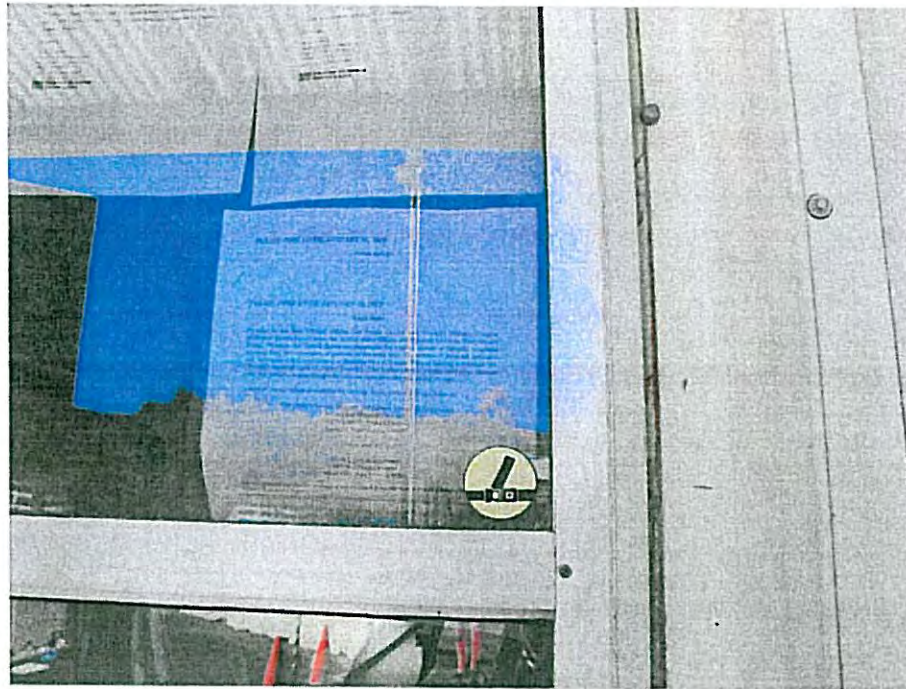


No. 1 Stockpile as of August 20, 2009

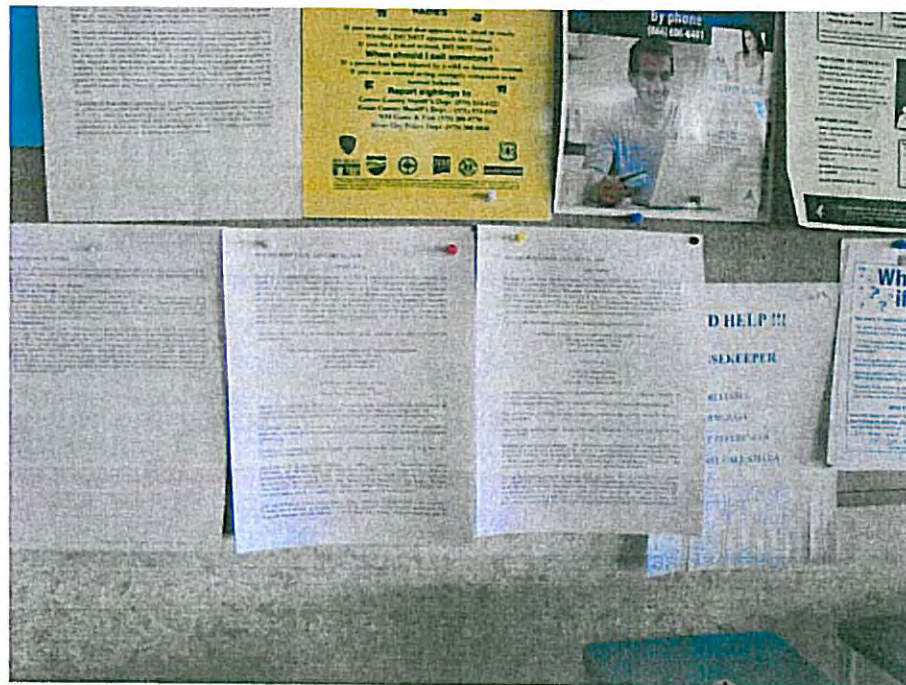


Attachment E

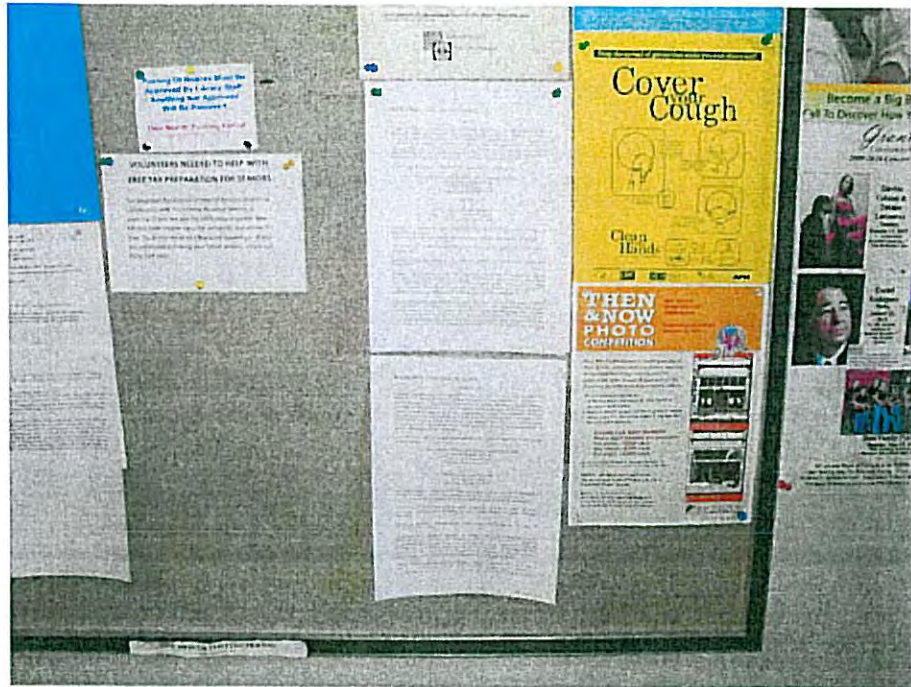
Public Notice Documentation



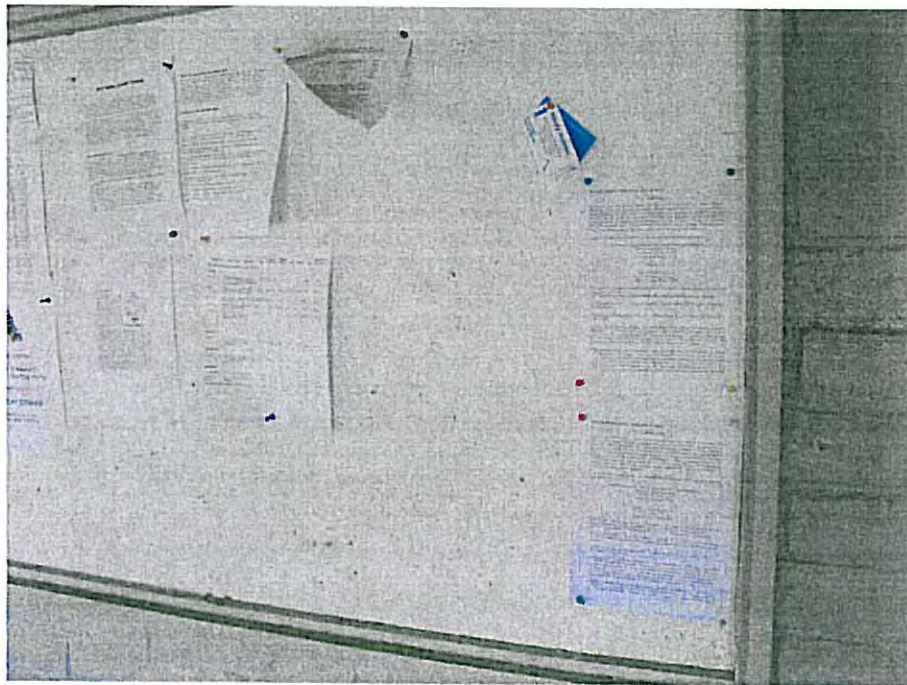
Public Notice Posted in English and Spanish at the Tyrone Security Gate.



Public Notice Posted in English and Spanish at the Grant County Administration Building



Public Notice Posted in English and Spanish at the Silver City Library.



Public Notice Posted in English and Spanish at the Tyrone Community Center.

Affidavit of Publication

STATE OF NEW MEXICO

SS

County of Grant

Mary L. Ybarra, being first duly sworn, on her oath says: That she is the manager of the Silver City Daily Press and Independent, a newspaper printed and published in the Town of Silver City, in the County of Grant and the State of New Mexico, and that said newspaper is now, and was at all times herein mentioned, a newspaper of general circulation.

That the advertisement, copy of which is hereto attached, was published in said hereinbefore mentioned newspaper once each and every week for 1 consecutive week (s), the first publication thereof having been made on 12/16/09 and the last publication thereof having been made on . That said newspaper was regularly printed, published and issued with said notice herein upon the following dates, to wit:

12/16/09

Mary L. Ybarra

Subscribed and sworn to before me on this 17th day of December 2009

Melanie K. Rogers

Notary Public



Legal Notice

Pursuant to the New Mexico Mining Act Rules, 19.10.5 and 19.10.12 NMAC, Freeport McMoRan Tyrone Inc. (Tyrone) has applied to the Mining and Minerals Division, New Mexico Energy, Minerals, and Natural Resources Department for a partial release of financial assurance resulting from the reclamation of portions of the mine site. The release of financial assurance will be processed as a modification to Revision 01-1 (Closeout Plan) to Mining Act Permit No. GR010RE approved April 12, 2004 ("Permit"). The Tyrone Mine is a large, operating, open-pit mine that produces copper through the solution extraction/electrowinning process.

A copy of the application is available for viewing during normal business hours at:

New Mexico Energy, Minerals and Natural Resources Department
Mining and Minerals Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

And also at:

Silver City Public Library
515 W. College Avenue
Silver City, New Mexico 88061

The application can also be viewed or downloaded from the New Mexico Energy, Minerals, and Natural Resources website at : <http://www.emnrd.state.nm.us/MMD/MARP/MARPNewPermitApplicationsandCloseoutPlans.htm>

This application is available for public comments, objections and a public request for hearing as provided below.

Permittee and mailing address: Freeport McMoRan Tyrone Inc., P.O. Box 571, Tyrone, New Mexico 88065

Location of real property affected: The reclamation work completed in connection with this application is on Tyrone property in the vicinity of the Tyrone Mine (10 miles south of Silver City, Grant County, NM) at Stockpile No. 1 which is located within Township 19 South, Range 14 West, Sections 18 and 19 and Township 19 South, Range 15 West, Sections 13 and 24. The stockpile is located east of Highway 90 and is partially visible from the highway.

Type of Reclamation/Closeout Performed, Acres and Dates: The No. 1 Stockpile was graded and capped with a minimum of three feet of Gila Conglomerate cover material. The average cover thickness is 4.9 feet. The required storm water channels and ditches were also completed. Reclamation of the No. 1 Stockpile was performed between February 2005 and August 2009. This period includes the construction of test plots on the west side of the stockpile in 2005. The total affected acres for the No. 1 Stockpile is approximately 288 acres. This includes associated facilities that were reclaimed along with the stockpile and the areas disturbed by excavation of cover material.

Description of the results achieved: This reclamation work fulfilled the requirements of Mine Permit GR010RE, Revision 01-1 (closeout plan) and Supplemental Discharge Permit for Closure 1341 (closure plan). This work has nearly eliminated the infiltration of rain and snow melt into the spent ore and has stopped the quality impacts to storm water that runs off the stockpile. Water conveyances have been constructed to route unimpacted storm water from the surface of the reclaimed stockpile into local drainages. The water conveyances were designed and built to minimize erosion of the reclaimed stockpile surface.

Type and amount of financial assurance filed and portion sought to be released: The Mining and Minerals Division is currently completing the approval of the 2008 financial assurance release request for Tyrone. Upon approval, financial assurance in the total amount of \$187,935,031 will be required by the Permit (including the Copper Mountain South Pit financial assurance). Tyrone seeks to reduce this amount by \$2,204,526 to reflect a portion of the amount of financial assurance held for the work described above. As a result of this reduction, the new total amount of financial assurance required would be \$185,730,505. Tyrone's current financial assurance is in the form of (1) a cash trust fund that has a balance as of November 30, 2009 of \$36,011,295 with \$27,000,000 representing the cash contributions made by Tyrone, (2) two surety bonds totaling \$31,780,518, (3) approved collateral for \$27,951,986, (4) a letter of credit for the Copper Mountain South Pit of \$170,874 and (5) a third party guarantee issued by Freeport McMoRan Copper and Gold Inc. for \$101,031,653. If this release request is approved, Tyrone proposes no change to the trust fund, surety bonds, letter of credit or collateral instruments. Tyrone proposes to change the amount of the third party guarantee to \$98,827,127.

Name and address to submit written comments, objections or requests for public hearings: Written comments, objections or requests for a public hearing with regard to the application for partial release of financial assurance shall be submitted to: Bill Brancard, Director, Mining and Minerals Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. MMD will conduct an inspection of the site within 30 days after receipt of the application. Persons who have requested advance notice of the inspection shall be given notice of the inspection and may be present at the inspection as may any other interested members of the public. Within 30 days from the date of the inspection, a person with an interest that is or will be adversely affected by the proposed financial assurance release may file written objections to the proposed release with the Director at the above address and may request a public hearing. If a public hearing is held, a separate notice will be provided in accordance with 19.10.12.1210 NMAC.

Affidavit of Publication

STATE OF NEW MEXICO

S S

County of Grant

Mary L. Ybarra, being first duly sworn, on her oath says: That she is the manager of the Silver City Daily Press and Independent, a newspaper printed and published in the Town of Silver City, in the County of Grant and the State of New Mexico, and that said newspaper is now, and was at all times herein mentioned, a newspaper of general circulation.

That the advertisement, copy of which is hereto attached, was published in said hereinbefore mentioned newspaper once each and every week for 1 consecutive week (s), the first publication thereof having been made on 12/16/09 and the last publication thereof having been made on . That said newspaper was regularly printed, published and issued with said notice herein upon the following dates, to wit:

12/16/09

Mary L Ybarra

Subscribed and sworn to before me on this 17th day of December 2009

Melanie K Rogers

Notary Public



AVISO LEGAL

Conforme a lo establecido en los artículos de la Ley de Minas 19.10.5 y 19.10.12 NMAC, del estado de New México, Freeport-McMoRan Tyrone Inc. (Tyrone) presentó una aplicación a la división de Minería y Metales del Departamento de Energía, Metales, y recursos Naturales del estado de New México, con el fin de solicitar un desembolso parcial del seguro financiero debido al trabajo de recuperación de suelos en porciones de la mina. Este desembolso financiero será procesado como una modificación a la Revisión 01-1 (Plan de Cierre) del Permiso No. GR010RE de la Ley de Minas, aprobado el 12 de Abril del 2004 ("Permiso"). Tyrone es una mina en operación a cielo abierto a gran escala que explota Cobre a través de un proceso de solución-extracción y electro-separación.

Una copia de la solicitud se encuentra disponible en los siguientes sitios para su revisión (en horas de oficina):

New Mexico Energy, Minerals and Natural Resources Department
Mining and Minerals Division
1220 South St. Francis Drive
Santa Fe, New México 87505

Biblioteca Pública de Silver City
515 W. College Avenue
Silver City, New Mexico 88061

Esta solicitud también puede ser vista o descargada desde la página web del Departamento de Energía, Metales, y recursos Naturales del estado de New México, en el siguiente link:
<http://www.emnrd.state.nm.us/MMD/MARP/MARPNewPermitApplicationsandCloseoutPlans.htm>

La presente solicitud es presentada al público en general con el fin de recibir comentarios, opiniones, o pedidos de audiencia pública, mismos que pueden hacerse de acuerdo a la siguiente información.

Nombre del aplicante y dirección postal: Freeport McMoRan Tyrone Inc., P.O. Box 571, Tyrone, New México 88065

Localización de la propiedad afectada: El trabajo concluido de recuperación de suelos relacionado con esta solicitud ha sido efectuado en la Reserva No. 1 (Stockpile No. 1) dentro de las propiedades de la mina de Tyrone, en inmediaciones de la misma (localizada a 10 millas Sur de Silver City, en el condado Grant, New Mexico) en el Municipio 19 Sur, Rango 14 Oeste, Secciones 18 y 19, y Municipio 19 Sur, Rango 15 Oeste, Secciones 13 y 24. La Reserva No. 1 esta localizada al este de la carretera-90 y es parcialmente visible desde la misma.

Tipo de Trabajo de Recuperación/Cierre, Áreas y Fechas: La Reserva No. 1 fue nivelada y cubierta con un mínimo de tres pies de material de cobertura compuesto por Conglomerado Gila. El grosor promedio de esta cobertura es de 4.9 pies. Los canales y drenajes requeridos para las aguas de precipitación fueron también concluidos. El trabajo de recuperación fue ejecutado entre febrero del 2005 y agosto del 2009. En este periodo de tiempo también se construyeron parcelas experimentales al lado oeste de la Reserva (2005). El área total de la construcción es de aproximadamente 288 acres, e incluye las facilidades asociadas con la Reserva y las áreas afectadas por las excavaciones de material de cobertura.

Descripción de Resultados Alcanzados: Este trabajo cumple con los requerimientos del Permiso No. GR010RE, Revisión 01-1 (plan de cierre) y el Permiso Suplemental de Descarga para Clausura 1341 (plan de clausura). Como resultado de este trabajo, la potencial infiltración de aguas de precipitación y deshielo hacia dentro de la ex-reserva mineral ha sido casi eliminada y se ha detenido la contaminación de las aguas de lluvia por contacto con materiales de la reserva. Un sistema de drenajes ha sido construido para transportar las aguas limpias de escorrentía desde el área de la reserva hasta canales naturales locales. Estos drenajes han sido diseñados y construidos para minimizar la erosión en las superficies de la reserva.

Tipo y cantidad del seguro financiero y porción propuesta para desembolso: La División de Minería y Metales esta actualmente completando la aprobación de la solicitud de desembolso de seguro financiero presentado el 2008. Una vez aprobado, el permiso requerirá la cantidad total de \$187,935,031 como seguro financiero (incluyendo el seguro financiero del área denominada Copper Mountain South Pit). Tyrone desea obtener un desembolso de \$2,204,526, destinado a cubrir los costos de los trabajos descritos arriba. Como resultado de este desembolso, el nuevo total del seguro financiero llegaría a la suma de \$185,730,505. El actual seguro financiero de Tyrone existe en la forma de (1) fondo de fideicomiso en efectivo por la suma de \$36,011,295 de acuerdo al último balance de Noviembre 30 del 2009, con \$27,000,000 representando las contribuciones hechas por Tyrone en efectivo, (2) Dos bonos de garantía en la suma total de \$31,780,518, (3) Colateral aprobado por la suma de \$27,951,986, (4) Carta de crédito para el denominado 'Copper Mountain South Pit' en la suma de \$170,874 y, (5) garantía de tercero(s) emitido por Freeport McMoRan Copper and Gold Inc. por la suma de \$101,031,653. Si este pedido de desembolso es aprobado, Tyrone no propone ninguna modificación en el fondo de fideicomiso, bonos de garantía, carta de crédito o los instrumentos del colateral. Tyrone propone una reducción en la cantidad de la garantía de tercero(s) a la suma de \$98,827,127.

Nombre y dirección para enviar sus comentarios escritos, objeciones o pedidos de audiencia pública:

Comentarios escritos, objeciones o pedidos de audiencia pública en relación a la mencionada aplicación por desembolso parcial de seguro financiero deberán ser dirigidos a:

Bill Brancard, Director, Mining and Minerals Division,
1220 South St. Francis Drive, Santa Fe, New Mexico 87505

Las oficinas del MMD realizarán una inspección del sitio dentro de 30 días calendario una vez recibida la solicitud. Público en general que haya solicitado por adelantado notificación de esta inspección será informado de la misma y podrá estar presente el día de la inspección, así como cualquier otro miembro de la comunidad. Dentro de 30 días de la fecha de inspección, toda persona que actualmente es o se vea adversamente afectada por la propuesta de desembolso financiero puede presentar sus objeciones por escrito a la dirección y personal mencionado arriba y solicitar una audiencia pública. Si esta audiencia se realizara, un aviso será proveído por separado de acuerdo a lo establecido en el artículo 19.10.12.1210 de NMAC



Tyrone Operations
P.O. Box 571
Highway 90 South, Tyrone Mine Road
Tyrone, NM 88065

December 15, 2009

Via Certified Mail
Return Receipt Requested

To Whom It May Concern:

Re: Tyrone Mine, Permit No. GR010RE Revision 01-1, Notice of
Permit Modification Application For Partial Financial Assurance Release

Freeport-McMoRan Tyrone Inc. (Tyrone) has applied to the New Mexico Energy, Minerals and Natural Resources Department, Mining and Minerals Division for a modification of the referenced permit. The modification requests a partial release of financial assurance required for reclamation. The proposed release is for work that Tyrone has completed. As a nearby property owner or interested party, you are being provided the attached copy of the public notice concerning this modification request.

If you have any questions, please feel free to contact the New Mexico Energy, Minerals and Natural Resources Department in Santa Fe at (505) 476-3438 or Chuck Johnson at (575) 538-6359.

Sincerely,

A handwritten signature in blue ink, appearing to read 'Timothy E. Eastep'.

Timothy E. Eastep, Manager
Environment, Land & Water

CGJ:bs
Attachment
20091214-101

Legal Notice

Pursuant to the New Mexico Mining Act Rules, 19.10.5 and 19.10.12 NMAC, Freeport McMoRan Tyrone Inc. (Tyrone) has applied to the Mining and Minerals Division, New Mexico Energy, Minerals, and Natural Resources Department for a partial release of financial assurance resulting from the reclamation of portions of the mine site. The release of financial assurance will be processed as a modification to Revision 01-1 (Closeout Plan) to Mining Act Permit No. GR010RE approved April 12, 2004 ("Permit"). The Tyrone Mine is a large, operating, open-pit mine that produces copper through the solution extraction/electrowinning process.

A copy of the application is available for viewing during normal business hours at:

New Mexico Energy, Minerals and Natural Resources Department
Mining and Minerals Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

And also at:

Silver City Public Library
515 W. College Avenue
Silver City, New Mexico 88061

The application can also be viewed or downloaded from the New Mexico Energy, Minerals, and Natural Resources website at :

<http://www.emnrd.state.nm.us/MMD/MARP/MARPNewPermitApplicationsandCloseoutPlans.htm>

This application is available for public comments, objections and a public request for hearing as provided below.

Permittee and mailing address: Freeport McMoRan Tyrone Inc., P.O. Box 571, Tyrone, New Mexico 88065

Location of real property affected: The reclamation work completed in connection with this application is on Tyrone property in the vicinity of the Tyrone Mine (10 miles south of Silver City, Grant County, NM) at Stockpile No. 1 which is located within Township 19 South, Range 14 West, Sections 18 and 19 and Township 19 South, Range 15 West, Sections 13 and 24. The stockpile is located east of Highway 90 and is partially visible from the highway.

Type of Reclamation/Closeout Performed, Acres and Dates: The No. 1 Stockpile was graded and capped with a minimum of three feet of Gila Conglomerate cover material. The average cover thickness is 4.9 feet. The required storm water channels and ditches were also completed. Reclamation of the No. 1 Stockpile was performed between February 2005 and August 2009. This period includes the construction of test plots on the west side of the stockpile in 2005. The total affected acres for the No. 1 Stockpile is approximately 288 acres. This includes associated facilities that were reclaimed along with the stockpile and the areas disturbed by excavation of cover material.

AVISO LEGAL

Conforme a lo establecido en los artículos de la Ley de Minas 19.10.5 y 19.10.12 NMAC, del estado de New México, Freeport-McMoRan Tyrone Inc. (Tyrone) presentó una aplicación a la división de Minería y Minerales del Departamento de Energía, Minerales, y recursos Naturales del estado de New México, con el fin de solicitar un desembolso parcial del seguro financiero debido al trabajo de recuperación de suelos en porciones de la mina. Este desembolso financiero será procesado como una modificación a la Revisión 01-1 (Plan de Cierre) del Permiso No. GR010RE de la Ley de Minas, aprobado el 12 de Abril del 2004 ("Permiso"). Tyrone es una mina en operación a cielo abierto a gran escala que explota Cobre a través de un proceso de solución-extracción y electro-separación.

Una copia de la solicitud se encuentra disponible en los siguientes sitios para su revisión (en horas de oficina):

New Mexico Energy, Minerals and Natural Resources Department
Mining and Minerals Division
1220 South St. Francis Drive
Santa Fe, New México 87505

Biblioteca Pública de Silver City
515 W. College Avenue
Silver City, New Mexico 88061

Esta solicitud también puede ser vista o descargada desde la pagina web del Departamento de Energía, Minerales, y recursos Naturales del estado de New México, en el siguiente link:
<http://www.emnrd.state.nm.us/MMD/MARP/MARPNewPermitApplicationsandCloseoutPlans.htm>

La presente solicitud es presentada al público en general con el fin de recibir comentarios, opiniones, o pedidos de audiencia pública, mismos que pueden hacerse de acuerdo a la siguiente información.

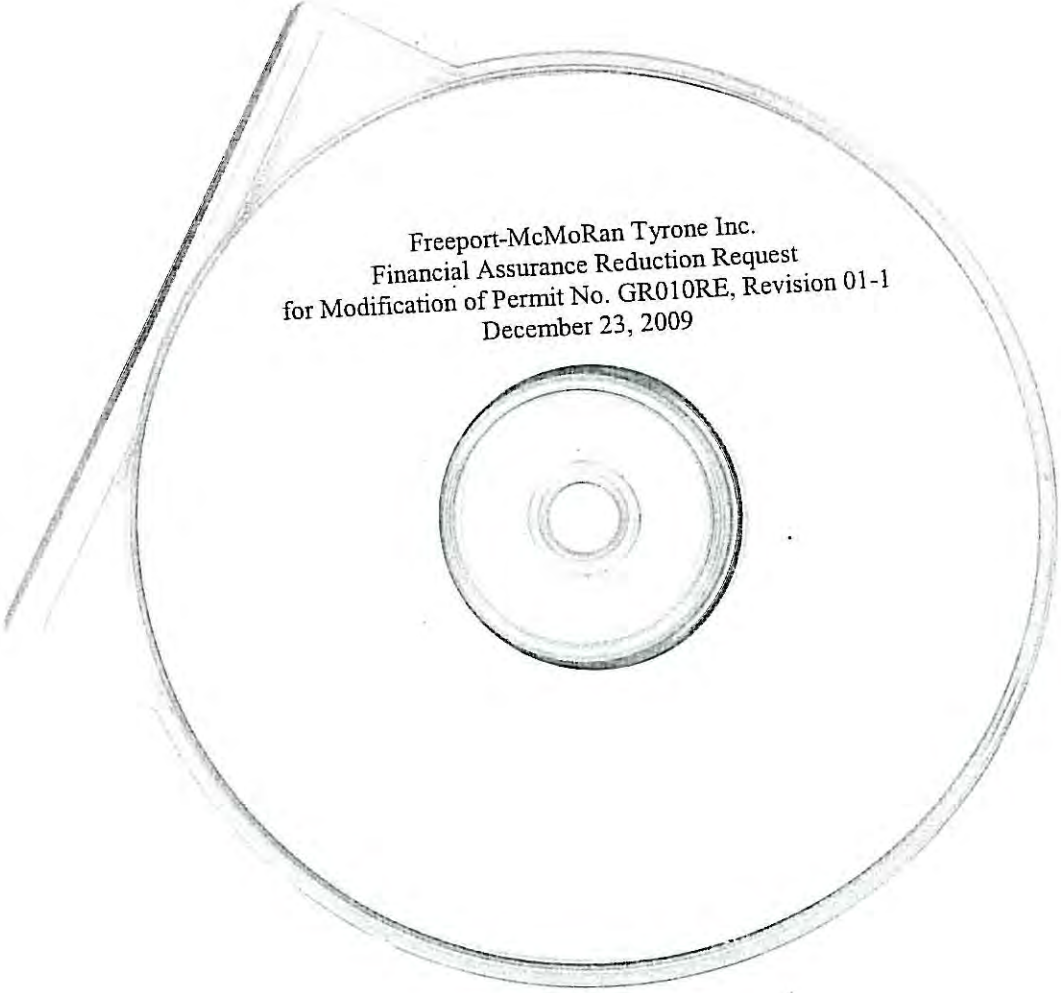
Nombre del aplicante y dirección postal: Freeport McMoRan Tyrone, Inc., P.O. Box 571, Tyrone, New México 88065

Localización de la propiedad afectada: El trabajo concluido de recuperación de suelos relacionado con esta solicitud ha sido efectuado en la Reserva No. 1 (Stockpile No. 1) dentro de las propiedades de la mina de Tyrone, en inmediaciones de la misma (localizada a 10 millas Sur de Silver City, en el condado Grant, New Mexico) en el Municipio 19 Sur, Rango 14 Oeste, Secciones 18 y 19, y Municipio 19 Sur, Rango 15 Oeste, Secciones 13 y 24. La Reserva No. 1 esta localizada al este de la carretera-90 y es parcialmente visible desde la misma.

Tipo de Trabajo de Recuperación/Cierre, Áreas y Fechas: La Reserva No. 1 fue nivelada y cubierta con un mínimo de tres pies de material de cobertura compuesto por Conglomerado Gila. El grosor promedio de esta cobertura es de 4.9 pies. Los canales y drenajes requeridos para las aguas de precipitación fueron también concluidos. El trabajo de recuperación fue ejecutado entre

Attachment F

Electronic Copy of Application Materials



Freeport-McMoRan Tyrone Inc.
Financial Assurance Reduction Request
for Modification of Permit No. GR010RE, Revision 01-1
December 23, 2009