APPENDIX A

MULTIPLE ACCOUNTS ANALYSIS SPREADSHEETS

Multiple Accounts Analysis Process

The Multiple Accounts Analysis (MAA) for both mines is based on four fundamental accounts, namely technical, project economics, environmental and socio-economics. These main accounts are broken down into a list of sub-accounts and indicators on which the assessments are made. Sub-accounts can be defined as any material issue resulting in an impact (benefit or loss) by any of the alternatives being evaluated. An example is the water quality protection values described in Chapter 4, Section 4.3. Each sub-account may have one or more indicators that measure, either qualitatively or quantitatively, the impact of each alternative. An indicator value is provided for each indicator and for each alternative. An example of this is the values of *high* to *low* used to describe the water quality protection value. The descriptive value, or work description, in the account ledgers forms the basis for the ranking, scaling and weighting of each alternative in a numerical analysis.

To do this, the alternatives are first ranked in order from best to worst with respect to each indicator for each sub-account. Ranking is a simple ordered list and makes no attempt to distinguish how great the difference of the impact is between the alternatives on the list. In practice, there may be very little difference in the impact from the best to the worst.

Since the separation of the best alternative from the worst may be either very slight or very significant, a scaled value (S) is assigned to each alternative for each of the sub-accounts using a nine-point scale. In practice, the nine-point scale provides a significant degree of differentiation between alternatives. The "best" alternative in the ranking is always given a value of 9. If the "worst" alternative is considered half as good as the best, it is given a value of 5 and the other alternatives are distributed between these values.

An example could be "acidity load reporting to the water treatment plant." If all the potential alternatives are predicted to have a similar acid load, then the scaled effort of the "worst" alternative may not be very different from the "best" alternative, and may be made in proportion to the predicted acid load. An example is provided in Figures A-1 and A-2.

Figure A-1. Subdivisions of a Scaling System

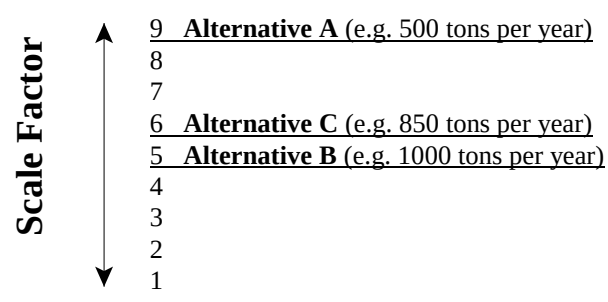

Figure A-2. Example of Scaling and Positioning of "Ranked" Alternatives

For certain indicators, the impacts may be similar for the various alternatives. For example, the indicators for the heap leach pad liner impacts do not change from one alternative to another. These are termed "non-discriminatory" indicators.

Each indicator sub-account and account is then assigned a weighting factor (W) according to its relevant importance with respect to the other accounts, sub-accounts or indicators within the same level. Weighting is the factor most likely to reflect the analysts' bias or value basis. A weight of 5 indicates a "high value" indicator in the MAA.

MAA Scoring and Evaluation

The "score" an alternative has in a sub-account is the product of the scaled values times the indicator weighting. The cumulative "score" of one alternative in any one sub-account is obtained by adding the products of the scalar value and weight for each indicator in a sub-account and normalizing by dividing the sum of the weights for all indicators of that sub-account (see equation below). The higher the sub- account score, the more favorable the alternative in that category.

$$\text{Cumulative Score} = \frac{\text{Sum of Scalar Values x Weights (for each indicator in the Sub-Account)}}{\text{Sum of Weights for the indicators in the Sub-Account}}$$

Similarly, account scores are calculated for each alternative by summing the products of the sub-account scores and their weights and normalizing by dividing by the sum of the sub-account weights within that account. The multiple account scores are calculated the same way using the account scores and weights.

Tables A-1a and A-2a in this Appendix provide the multiple accounts analysis ledgers for the Zortman and Landusky Mines respectively. The numerical-based analyses for these ledgers are provided in Tables A-1b and A-2b. These numerical evaluations are representative of the technical working group's consensus evaluation. There are three levels of scoring, the first is the 'sub-account score' where, for example, the alternatives are scored for only a specific sub-account such as the surface water quality protection value. The second level of scoring is termed the 'account score' which provides the relative score within a specific account such as the environmental account. The third level of scoring is the 'multiple account score' which takes into consideration all the issues on the list. Sensitivity runs of these evaluations have also been performed and are described below.

Comparison Discussion

For each mine, a set of three evaluations was completed. The first, as mentioned above, was a technical working group consensus analysis (Tables A-1b and A-2b). This evaluation includes all the issues deemed important for consideration by the members of the technical working group with input from the public at various public meetings.

The second evaluation takes into account only those indicators that are discriminatory between alternatives. A discrimination value, or DV, is calculated for each indicator. This value represents the difference in the score between the highest ranked alternative and the lowest ranked alternative and can be seen on the right-hand side of the tables. If the difference is small, in this case less than 20% difference, then the indicator is termed non-discriminatory and is dropped from the list. If the difference is greater than 20%, then the indicator is left in the list and used in the calculations. The second set of scores therefore represents the evaluation of only those indicators that discriminate between alternatives. Tables A-1c and A-2c provide these evaluations for the Zortman and Landusky Mines respectively.

The third evaluation excludes the economic-related accounts and sub-accounts. Therefore, the project economics account and those economic-related sub-accounts in the socio-economics account are given 'weights' of zero and are excluded from the calculations. The resulting score is one in which money does not play a role in the alternative scoring. Tables A-1d and A-2d provide the 'cost excluded' evaluations for the Zortman and Landusky Mines respectively.

Zortman Mine Reclamation MAA Tables

Table A-1a.	Multiple Accounts Analysis Ledger for Zortman Mine Reclamation
Table A-1b.	Technical Working Group Consensus Evaluation for Zortman Mine Reclamation MAA
Table A-1c.	Technical Working Group Consensus Evaluation for Zortman Mine Reclamation MAA Using Discriminatory Values Only
Table A-1d.	Technical Working Group Consensus Evaluation for Zortman Mine Reclamation MAA Excluding Economic Costs
Table A-1e.	Summary of Technical Working Group Consensus Evaluation for Zortman Mine Reclamation MAA
Table A-1f.	Summary of Technical Working Group Consensus Evaluation for Zortman Mine Reclamation MAA Excluding Economic Costs

TABLE A-1a. MULTIPLE ACCOUNTS ANALYSIS LEDGER FOR ZORTMAN MINE RECLAMATION
Updated November 9, 2001

ACCOUNTS	SUB ACCOUNTS (issues)	INDICATORS	MEASURES	HIGH VALUE INDICATORS*	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE Z1 (Final EIS ALT.3, ROD)	ALTERNATIVE Z2 (Optimize Water Treatment within Bond)	ALTERNATIVE Z3 (Optimize Source Control within Bond)	ALTERNATIVE Z4 (Additional Pit Backfilling)	ALTERANTIVE Z5 (Total Backfill to Pre-Mine Topography)	ALTERNATIVE Z6 (Optimize Source Control and Aesthetics)
TECHNICAL	79/81, 83, 84, 89 LEACH PAD											
	Dikes	Stability/Erodability/Maintainability	value (good-poor)	*	somewhat poor	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate
	Heaps	Stability/Erodability/Maintainability	value (good-poor)		intermediate	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good
	Liners	Durability/Maintainability	value (good-poor)		intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate
	82 LEACH PAD											
	Heap, Dike & Liner	Stability/Erodability/Maintainability	value (good-poor)		intermediate	good	good	good	good	good	good	good
	85/86 LEACH PAD											
	Dike	Stability/Erodability/Maintainability	value (good-poor)		somewhat poor	somewhat poor	somewhat good	somewhat poor	somewhat good	somewhat good	good	somewhat good
	Heap	Stability/Erodability/Maintainability	value (good-poor)		poor	somewhat poor	intermediate	intermediate	intermediate	somewhat good	good	somewhat good
	Liner	Durability/Maintainability	value (good-poor)		intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	good	intermediate
	WASTE ROCK DUMPS (Alder Gulch)	Stability/Erodability/Maintainability	value (good-poor)		somewhat poor	somewhat poor	somewhat good	somewhat poor	somewhat poor	somewhat good	somewhat good	intermediate
	WASTE ROCK DUMPS (OK)	Stability/Erodability/Maintainability	value (good-poor)		intermediate	intermediate	good	intermediate	intermediate	somewhat good	somewhat good	somewhat good
	WASTE ROCK DUMPS (South Ruby)	Stability/Erodability/Maintainability	value (good-poor)		intermediate	good	good	good	good	good	good	good
	OPEN PITS (N. Alabama)	Stability	value (good-poor)		intermediate	intermediate	intermediate	intermediate	intermediate	good	good	somewhat good
	OPEN PITS (S. Alabama)	Stability	value (good-poor)		intermediate	somewhat good	somewhat good	somewhat good	somewhat good	good	good	somewhat good
	OPEN PITS (OK/Ruby & Mint Pits)	Stability	value (good-poor)		somewhat poor	intermediate	intermediate	intermediate	intermediate	intermediate	good	intermediate
	OPEN PITS (Ross Pit)	Stability	value (good-poor)		intermediate	intermediate	intermediate	intermediate	intermediate	good	good	somewhat good
	UNDERGROUND WORKINGS	Stability	value (good-poor)		poor	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good
	TAILINGS (in Ruby Gulch)	Erodability	value (low-high)		high	high	low	high	high	low	low	intermediate
	STORM WATER CONTROL (ditches)	Maintenance Requirements	value (low-high)	*	intermediate	intermediate	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low
	COLLECTION & SEEPAGE CAPTURE/PUMPBACK SYSTEMS	Operating Requirements	value (low-high)		high	high	somewhat high	intermediate	high	somewhat low	somewhat low	high
		Maintenance Requirements	value (low-high)		intermediate	intermediate	intermediate	somewhat low	intermediate	somewhat low	somewhat low	intermediate
	WTP/LAD TREATMENT & RELEASE	Operating Requirements	value (low-high)	*	high	high	somewhat low	intermediate	intermediate	somewhat low	somewhat low	intermediate
		Sludge Disposal	value (difficult-easy)		somewhat easy	somewhat easy	somewhat easy	somewhat difficult	somewhat easy	somewhat difficult	somewhat difficult	somewhat easy
	ALTERNATIVE TECHNOLOGIES	Potential Application	value (difficult-easy)		somewhat difficult	somewhat difficult	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate
	RECLAMATION COVERS	Long-term Durability	value (good-poor)		somewhat good	somewhat good	somewhat poor	somewhat good	somewhat good	somewhat poor	somewhat good	intermediate
PROJECT ECONOMICS	RECLAMATION COST											
	Short Term Reclamation & LAD	Cost	$ (million)	*	3.2	6.9	25.1	9.8	9.8	38.2	46.4	14.2
	Long Term Monitoring/Maintenance	NPV of Annual Costs	NPV $ (million)		1	1	0.52	0.23	0.23	0.77	0.77	0.77
	% Attainable	% Attainable Within Bond	%	*	100%	100%	39%	100%	100%	26%	21%	67%
	LONG TERM WATER COLLECTION/TREATMENT COST (WTP, MPDES Monitoring)											
	Costs	NPV of Total Costs	NPV $ (million)	*	12.4	12.4	11.8	10.8	12.3	10.6	10.6	11.8

TABLE A-1a. MULTIPLE ACCOUNTS ANALYSIS LEDGER FOR ZORTMAN MINE RECLAMATION

Updated November 9, 2001

ACCOUNTS	SUB ACCOUNTS (issues)	INDICATORS	MEASURES	HIGH VALUE INDICATORS*	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE Z1 (Final EIS ALT.3, ROD)	ALTERNATIVE Z2 (Optimize Water Treatment within Bond)	ALTERNATIVE Z3 (Optimize Source Control within Bond)	ALTERNATIVE Z4 (Additional Pit Backfilling)	ALTERANTIVE Z5 (Total Backfill to Pre-Mine Topography)	ALTERNATIVE Z6 (Optimize Source Control and Aesthetics)
ENVIRONMENT	SURFACE WATER QUALITY PROTECTION VALUE	Alder Spur	value (high-low)		intermediate	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high
		Carter Spur	value (high-low)		intermediate	intermediate	high	somewhat high	intermediate	high	high	somewhat high
		Ruby Gulch	value (high-low)		somewhat low	somewhat low	somewhat high	intermediate	somewhat low	somewhat high	somewhat high	intermediate
		Lodgepole Creek	value (high-low)	*	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	intermediate	intermediate	high
	SURFACE WATER QUANTITY PROTECTION VALUE	Alder Spur	value (high-low)		low	low	low	low	low	low	low	low
		Carter Spur	value (high-low)		somewhat high	somewhat high	high	somewhat high	somewhat high	high	high	somewhat high
		Ruby Gulch	value (high-low)		somewhat high	somewhat high	somewhat high	somewhat low	somewhat high	intermediate	intermediate	somewhat high
		Lodgepole Creek	value (high-low)	*	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	high	high	somewhat high
	GROUNDWATER PROTECTION VALUE	Alder Spur	value (high-low)		intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate
		Carter Spur	value (high-low)		intermediate	intermediate	high	intermediate	intermediate	high	high	somewhat high
		Ruby Gulch	value (high-low)		somewhat low	somewhat low	somewhat high	intermediate	intermediate	somewhat high	somewhat high	somewhat high
		Lodgepole Creek	value (high-low)	*	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	intermediate	intermediate	high
	WTP WATER QUANTITY & QUALITY	Acidity Load	value (high-low)		high	high	somewhat low	somewhat high	somewhat high	intermediate	intermediate	intermediate
	LAD WATER QUALITY	NO3/NO2 Load	value (high-low)		high	high	high	high	high	high	high	high
	LAD WATER QUANTITY	Volume	value (high-low)		high	somewhat high	somewhat low	somewhat high	intermediate	somewhat low	somewhat low	intermediate
	RE-ESTABLISHMENT OF BIOLOGICAL/VEGETATIVE POTENTIAL	Density of Revegetated Areas	value (poor-good)		somewhat poor	somewhat poor	somewhat good	intermediate	somewhat good	good	good	good
		Ecosystem Diversity/Sustainability	value (poor-good)	*	somewhat poor	somewhat poor	somewhat good	intermediate	somewhat good	good	good	good
		% of Area Revegetated	%		35.7	35.7	84.3	78.7	79	85	88.2	79.3
		Compatability for Wildlife Habitat	value (low-high)		somewhat low	somewhat low	intermediate	intermediate	intermediate	high	high	somewhat high
SOCIO-ECONOMICS	AESTHETICS	Appearance (Pleasing)	value (low-high)	*	low	somewhat low	intermediate	somewhat low	intermediate	somewhat high	high	somewhat high
	HUNTING & RECREATION	Suitability	value (low-high)		somewhat low	somewhat low	intermediate	intermediate	intermediate	somewhat high	somewhat high	somewhat high
	TOURISM	Suitability	value (low-high)		low	low	intermediate	somewhat high	intermediate	somewhat high	somewhat high	intermediate
	HEALTH AND SAFETY	Protection During Reclamation (Workers)	value (low-high)	*	high	somewhat high	somewhat low	somewhat high	somewhat high	somewhat low	somewhat low	intermediate
		Protection Post Reclamation (Public)	value (low-high)	*	somewhat low	intermediate	intermediate	intermediate	intermediate	somewhat high	high	somewhat high
	TRADITIONAL/CULTURAL	Usability	value (high-low)	*	low	low	somewhat low	somewhat low	somewhat low	intermediate	somewhat high	intermediate
	COMMUNITY INFRASTRUCTURE	Condition of Utilities (Water System)	value (low-high)		low	low	intermediate	low	low	intermediate	intermediate	somewhat low
	COMPLETION PERIOD	Time	years		0	1	4	2	2	5	7	3
	MINERAL DEVELOPMENT POTENTIAL	Mineral Development Potential	value (low-high)		somewhat high	intermediate	somewhat low	intermediate	intermediate	low	low	somewhat low
	FUTURE EFFORT BURDEN ON SOCIETY	Long Term Management Requirements	value (high-low)	*	high	high	somewhat high	intermediate	somewhat high	intermediate	intermediate	somewhat high
	EMPLOYMENT OPPORTUNITIES (Reclamation & WTP)	Short Term Local Employment Value	value (low-high)		low	somewhat low	somewhat high	intermediate	intermediate	high	high	somewhat high
		Long Term Local Employment Value	value (low-high)		somewhat high	somewhat high	intermediate	somewhat low	intermediate	somewhat low	somewhat low	intermediate

NOTE:

The short term reclamation costs for Alternatives Z1 through Z6 include the cost for measures completed during interim reclamation

TABLE A-1b. TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR ZORTMAN MINE RECLAMATION MAA
Updated November 9, 2001

ACCOUNTS	ACCOUNT WEIGHT	SUB ACCOUNTS (issues)	SUB ACCOUNT WEIGHT	INDICATORS	INDICATOR WEIGHT	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE Z1 (Final EIS ALT 3, ROD)	ALTERNATIVE Z2 (Optimize Water Treatment within Bond)	ALTERNATIVE Z3 (Optimize Source Control within Bond)	ALTERNATIVE Z4 (Additional Pit Backfilling)	ALTERANTIVE Z5 (Total Backfill to Pre-Mine Topography)	ALTERNATIVE Z6 (Optimize Source Control and Aesthetics)	Discriminating Value (based on 20%)	
TECHNICAL	3	79/81, 83, 84, 89 LEACH PAD	2												
		Dikes		Stability/Erodability/Maintainability	5	7	9	9	9	9	9	9	9	10	D
		Heaps		Stability/Erodability/Maintainability	3	7	9	9	9	9	9	9	9	6	ND
		Liners		Durability/Maintainability	1	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**7.2**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		82 LEACH PAD	2												
		Heap, Dike & Liner		Stability/Erodability/Maintainability	4	5	9	9	9	9	9	9	9	16	D
				SUB ACCOUNT SCORE		**5.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		85/86 LEACH PAD	4												
		Dike		Stability/Erodability/Maintainability	3	3	3	7	3	7	7	9	7	18	D
		Heap		Stability/Erodability/Maintainability	4	1	3	5	5	5	7	9	7	32	D
		Liner		Durability/Maintainability	1	5	5	5	5	5	5	9	5	4	ND
				SUB ACCOUNT SCORE		**2.3**	**3.3**	**5.8**	**4.3**	**5.8**	**6.8**	**9.0**	**6.8**		
		WASTE ROCK DUMPS (Alder Gulch)	3	Stability/Erodability/Maintainability	3	5	5	9	5	5	9	9	7	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**9.0**	**5.0**	**5.0**	**9.0**	**9.0**	**7.0**		
		WASTE ROCK DUMPS (OK)	2	Stability/Erodability/Maintainability	2	5	5	9	5	5	7	7	7	8	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**9.0**	**5.0**	**5.0**	**7.0**	**7.0**	**7.0**		
		WASTE ROCK DUMPS (South Ruby)	2	Stability/Erodability/Maintainability	2	5	9	9	9	9	9	9	9	8	D
				SUB ACCOUNT SCORE		**5.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		OPEN PITS (N. Alabama)	1	Stability	1	5	5	5	5	5	9	9	7	4	ND
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**9.0**	**9.0**	**7.0**		
		OPEN PITS (S. Alabama)	2	Stability	2	5	7	7	7	7	9	9	7	8	D
				SUB ACCOUNT SCORE		**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**	**7.0**		
		OPEN PITS (OK/Ruby & Mint)	2	Stability	2	3	5	5	5	5	5	9	5	12	D
				SUB ACCOUNT SCORE		**3.0**	**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**9.0**	**5.0**		
		OPEN PITS (Ross Pit)	2	Stability	2	5	5	5	5	5	9	9	7	8	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**9.0**	**9.0**	**7.0**		
		UNDERGROUND WORKINGS	1	Stability	1	3	9	9	9	9	9	9	9	6	ND
				SUB ACCOUNT SCORE		**3.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		TAILINGS (in Ruby Gulch)	3	Erodability	3	1	1	9	1	1	9	9	5	24	D
				SUB ACCOUNT SCORE		**1.0**	**1.0**	**9.0**	**1.0**	**1.0**	**9.0**	**9.0**	**5.0**		
		STORM WATER CONTROL (Ditches)	5	Maintenance Requirements	5	7	7	9	9	9	9	9	9	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		COLLECTION & SEEPAGE CAPTURE/PUMPBACK SYSTEMS	5	Operating Requirements	3	3	3	5	7	3	9	9	3	18	D
				Maintenance Requirements	2	7	7	7	9	7	9	9	7	4	ND
				SUB ACCOUNT SCORE		**4.6**	**4.6**	**5.8**	**7.8**	**4.6**	**9.0**	**9.0**	**4.6**		
		WTP/LAD TREATMENT & RELEASE	2	Operating Requirements	5	3	3	9	7	7	9	9	7	30	D
				Sludge Disposal	3	9	9	9	5	9	5	5	9	12	D
				SUB ACCOUNT SCORE		**5.3**	**5.3**	**9.0**	**6.3**	**7.8**	**7.5**	**7.5**	**7.8**		
		ALTERNATIVE TECHNOLOGIES	1	Potential Application	1	7	7	9	9	9	9	9	9	2	ND
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		RECLAMATION COVERS	3	Long-term Durability	3	9	9	5	9	9	5	9	7	12	D
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**5.0**	**9.0**	**9.0**	**5.0**	**9.0**	**7.0**		
				ACCOUNT SCORE		**5.0**	**5.8**	**7.5**	**6.7**	**6.5**	**8.1**	**8.8**	**7.1**		
PROJECT ECONOMICS	3	RECLAMATION COST	5												
		Short Term Reclamation & LAD (~ 5yrs)		Cost	5	9	8	5	8	8	3	1	7	40	D
		Long Term Monitoring/Maintenance		NPV of Annual Costs	2	1	1	6	9	9	3	3	3	16	D
		% Attainable		% Attainable Within Bond	5	9	9	3	9	9	2	1	6	39	D
				SUB ACCOUNT SCORE		**7.7**	**7.4**	**4.3**	**8.5**	**8.5**	**2.3**	**1.5**	**5.9**		
		LONG TERM WATER TREATMENT COST	3												
		Costs		NPV of Annual Costs	5	7	7	8	9	7	9	9	8	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**8.0**	**9.0**	**7.0**	**9.0**	**9.0**	**8.0**		
				ACCOUNT SCORE		**7.4**	**7.2**	**5.7**	**8.7**	**7.9**	**4.8**	**4.3**	**6.7**		

TABLE A-1b. TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR ZORTMAN MINE RECLAMATION MAA
Updated November 9, 2001

ACCOUNTS	ACCOUNT WEIGHT	SUB ACCOUNTS (issues)	SUB ACCOUNT WEIGHT	INDICATORS	INDICATOR WEIGHT	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE Z1 (Final EIS ALT 3, ROD)	ALTERNATIVE Z2 (Optimize Water Treatment within Bond)	ALTERNATIVE Z3 (Optimize Source Control within Bond)	ALTERNATIVE Z4 (Additional Pit Backfilling)	ALTERANTIVE Z5 (Total Backfill to Pre-Mine Topography)	ALTERNATIVE Z6 (Optimize Source Control and Aesthetics)	Discriminating Value (based on 20%)	
ENVIRONMENT	5	SURFACE WATER QUALITY PROTECTION VALUE	4	Alder Spur	1	7	9	9	9	9	9	9	9	2	ND
				Carter Spur	1	5	5	9	7	5	9	9	7	4	ND
				Ruby Gulch	4	5	5	9	7	5	9	9	7	16	D
				Lodgepole Creek	5	7	7	7	7	7	5	5	9	20	D
				SUB ACCOUNT SCORE		**6.1**	**6.3**	**8.1**	**7.2**	**6.3**	**7.2**	**7.2**	**8.1**		
		SURFACE WATER QUANTITY PROTECTION VALUE	3	Alder Spur	1	9	9	9	9	9	9	9	9	0	ND
				Carter Spur	1	7	7	9	7	7	9	9	7	2	ND
				Ruby Gulch	4	9	9	9	5	9	7	7	9	16	D
				Lodgepole Creek	5	7	7	7	7	7	9	9	7	10	D
				SUB ACCOUNT SCORE		**7.9**	**7.9**	**8.1**	**6.5**	**7.9**	**8.3**	**8.3**	**7.9**		
		GROUNDWATER PROTECTION VALUE	5	Alder Spur	1	9	9	9	9	9	9	9	9	0	ND
				Carter Spur	1	5	5	9	5	5	9	9	7	4	ND
				Ruby Gulch	3	5	5	9	7	7	9	9	9	12	D
				Lodgepole Creek	5	7	7	7	7	7	5	5	9	20	D
				SUB ACCOUNT SCORE		**6.4**	**6.4**	**8.0**	**7.0**	**7.0**	**7.0**	**7.0**	**8.8**		
		WTP WATER QUANTITY & QUALITY (INFLOW)	3	Acidity Load	3	3	3	9	5	5	7	7	7	18	D
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**9.0**	**5.0**	**5.0**	**7.0**	**7.0**	**7.0**		
		LAD WATER QUALITY	3	NO3/NO2 Load	2	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		LAD WATER QUANTITY	2	Volume	2	3	5	9	5	7	9	9	7	12	D
				SUB ACCOUNT SCORE		**3.0**	**5.0**	**9.0**	**5.0**	**7.0**	**9.0**	**9.0**	**7.0**		
		RE-ESTABLISHMENT OF BIOLOGICAL/VEGETATIVE POTENTIAL	5	Density of Revegetated Areas	3	3	3	7	5	7	9	9	9	18	D
				Ecosystem Diversity/Sustainability	5	3	3	7	5	7	9	9	9	30	D
				% of Area with Regrowth	3	2	2	8.5	8	8	8	9	8	21	D
				Compatability for Wildlife Habitat	4	3	3	5	5	5	9	9	7	24	D
				SUB ACCOUNT SCORE		**2.8**	**2.8**	**6.8**	**5.6**	**6.7**	**8.8**	**9.0**	**8.3**		
				ACCOUNT SCORE		**5.4**	**5.6**	**8.1**	**6.5**	**6.9**	**7.9**	**8.0**	**8.1**		
SOCIO-ECONOMICS	4	AESTHETICS	5	Appearance (Pleasing)	5	1	3	5	3	5	7	9	7	40	D
				SUB ACCOUNT SCORE		**1.0**	**3.0**	**5.0**	**3.0**	**5.0**	**7.0**	**9.0**	**7.0**		
		HUNTING & RECREATION	3	Suitability	3	5	5	7	7	7	9	9	9	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**	**9.0**		
		TOURISM	3	Suitability	3	3	3	7	9	7	9	9	7	18	D
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**7.0**	**9.0**	**7.0**	**9.0**	**9.0**	**7.0**		
		HEALTH AND SAFETY	5	Protection During Reclamation (Workers)	5	9	7	3	7	7	3	3	5	30	D
				Protection Post Reclamation (Public)	5	3	5	5	5	5	7	9	7	30	D
				SUB ACCOUNT SCORE		**6.0**	**6.0**	**4.0**	**6.0**	**6.0**	**5.0**	**6.0**	**6.0**		
		TRADITIONAL/CULTURAL	5	Usability	5	3	3	5	5	5	7	9	7	30	D
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**5.0**	**5.0**	**5.0**	**7.0**	**9.0**	**7.0**		
		COMMUNITY INFRASTRUCTURE	3	Condition of Utilities (Water System)	3	5	5	9	5	5	9	9	7	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**9.0**	**5.0**	**5.0**	**9.0**	**9.0**	**7.0**		
		COMPLETION PERIOD	3	Time to Complete Reclamation	3	9	8	5	7	7	4	2	6	21	D
				SUB ACCOUNT SCORE		**9.0**	**8.0**	**5.0**	**7.0**	**7.0**	**4.0**	**2.0**	**6.0**		
		MINERAL DEVELOPMENT POTENTIAL	3	Mineral Development Potential	3	9	7	5	7	7	3	3	5	18	D
				SUB ACCOUNT SCORE		**9.0**	**7.0**	**5.0**	**7.0**	**7.0**	**3.0**	**3.0**	**5.0**		
		FUTURE BURDEN ON SOCIETY	5	Long Term Management Requirements	5	5	5	7	9	7	9	9	7	20	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**9.0**	**7.0**	**9.0**	**9.0**	**7.0**		
		EMPLOYMENT OPPORTUNITIES (Reclamation & WTP)	5	Short Term Local Employment Value	4	1	3	7	5	5	9	9	7	32	D
				Long Term Local Employment Value	2	9	9	7	5	7	5	5	7	8	D
				SUB ACCOUNT SCORE		**3.7**	**5.0**	**7.0**	**5.0**	**5.7**	**7.7**	**7.7**	**7.0**		
				ACCOUNT SCORE		**4.7**	**4.9**	**6.0**	**6.1**	**6.1**	**7.0**	**7.5**	**6.8**		
				MULTIPLE ACCOUNT SCORE		**5.5**	**5.8**	**6.9**	**6.9**	**6.8**	**7.1**	**7.3**	**7.3**		

TABLE A-1c. TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR ZORTMAN MINE RECLAMATION MAA USING DISCRIMINATORY VALUES ONLY
Updated November 9, 2001

ACCOUNTS	ACCOUNT WEIGHT	SUB ACCOUNTS (issues)	SUB ACCOUNT WEIGHT	INDICATORS	INDICATOR WEIGHT	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE Z1 (Final EIS ALT.3, ROD)	ALTERNATIVE Z2 (Optimize Water Treatment within Bond)	ALTERNATIVE Z3 (Optimize Source Control within Bond)	ALTERNATIVE Z4 (Additional Pit Backfilling)	ALTERANTIVE Z5 (Total Backfill to Pre-Mine Topography)	ALTERNATIVE Z6 (Optimize Source Control and Aesthetics)	Discriminating Value (based on 20%)	
TECHNICAL	3	79/81, 83, 84, 89 LEACH PAD	2												
		Dikes		Stability/Erodability/Maintainability	5	7	9	9	9	9	9	9	9	10	D
		Heaps		Stability/Erodability/Maintainability	0	7	9	9	9	9	9	9	9	0	ND
		Liners		Durability/Maintainability	0	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		82 LEACH PAD	2												
		Heap, Dike & Liner		Stability/Erodability/Maintainability	4	5	9	9	9	9	9	9	9	16	D
				SUB ACCOUNT SCORE		**5.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		85/86 LEACH PAD	4												
		Dike		Stability/Erodability/Maintainability	3	3	3	7	3	7	7	9	7	18	D
		Heap		Stability/Erodability/Maintainability	4	1	3	5	5	5	7	9	7	32	D
		Liner		Durability/Maintainability	0	5	5	5	5	5	5	9	5	0	ND
				SUB ACCOUNT SCORE		**1.9**	**3.0**	**5.9**	**4.1**	**5.9**	**7.0**	**9.0**	**7.0**		
		WASTE ROCK DUMPS (Alder Gulch)	3	Stability/Erodability/Maintainability	3	5	5	9	5	5	9	9	7	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**9.0**	**5.0**	**5.0**	**9.0**	**9.0**	**7.0**		
		WASTE ROCK DUMPS (OK)	2	Stability/Erodability/Maintainability	2	5	5	9	5	5	7	7	7	8	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**9.0**	**5.0**	**5.0**	**7.0**	**7.0**	**7.0**		
		WASTE ROCK DUMPS (South Ruby)	2	Stability/Erodability/Maintainability	2	5	9	9	9	9	9	9	9	8	D
				SUB ACCOUNT SCORE		**5.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		OPEN PITS (N. Alabama)	0	Stability	0	5	5	5	5	5	9	9	7	0	ND
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**9.0**	**9.0**	**7.0**		
		OPEN PITS (S. Alabama)	2	Stability	2	5	7	7	7	7	9	9	7	8	D
				SUB ACCOUNT SCORE		**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**	**7.0**		
		OPEN PITS (OK/Ruby & Mint)	2	Stability	2	3	5	5	5	5	5	9	5	12	D
				SUB ACCOUNT SCORE		**3.0**	**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**9.0**	**5.0**		
		OPEN PITS (Ross Pit)	2	Stability	2	5	5	5	5	5	9	9	7	8	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**9.0**	**9.0**	**7.0**		
		UNDERGROUND WORKINGS	0	Stability	0	3	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**3.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		TAILINGS (in Ruby Gulch)	3	Erodability	3	1	1	9	1	1	9	9	5	24	D
				SUB ACCOUNT SCORE		**1.0**	**1.0**	**9.0**	**1.0**	**1.0**	**9.0**	**9.0**	**5.0**		
		STORM WATER CONTROL (Ditches)	5	Maintenance Requirements	5	7	7	9	9	9	9	9	9	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		COLLECTION & SEEPAGE CAPTURE/PUMPBACK SYSTEMS	5	Operating Requirements	3	3	3	5	7	3	9	9	3	18	D
				Maintenance Requirements	0	7	7	7	9	7	9	9	7	0	ND
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**5.0**	**7.0**	**3.0**	**9.0**	**9.0**	**3.0**		
		WTP/LAD TREATMENT & RELEASE	2	Operating Requirements	5	3	3	9	7	7	9	9	7	30	D
				Sludge Disposal	3	9	9	9	5	9	5	5	9	12	D
				SUB ACCOUNT SCORE		**5.3**	**5.3**	**9.0**	**6.3**	**7.8**	**7.5**	**7.5**	**7.8**		
		ALTERNATIVE TECHNOLOGIES	0	Potential Application	0	7	7	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		RECLAMATION COVERS	3	Long-term Durability	3	9	9	5	9	9	5	9	7	12	D
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**5.0**	**9.0**	**9.0**	**5.0**	**9.0**	**7.0**		
				ACCOUNT SCORE		**4.7**	**5.5**	**7.3**	**6.5**	**6.2**	**8.1**	**8.8**	**6.8**		
PROJECT ECONOMICS	3	RECLAMATION COST	5												
		Short Term Reclamation & LAD (~ 5yrs)		Cost	5	9	8	5	8	8	3	1	7	40	D
		Long Term Monitoring/Maintenance		NPV of Annual Costs	2	1	1	6	9	9	3	3	3	16	D
		% Attainable		% Attainable Within Bond	5	9	9	3	9	9	2	1	6	39	D
				SUB ACCOUNT SCORE		**7.7**	**7.4**	**4.3**	**8.5**	**8.5**	**2.3**	**1.5**	**5.9**		
		LONG TERM WATER TREATMENT COST	3												
		Costs		NPV of Annual Costs	5	7	7	8	9	7	9	9	8	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**8.0**	**9.0**	**7.0**	**9.0**	**9.0**	**8.0**		
				ACCOUNT SCORE		**7.4**	**7.2**	**5.7**	**8.7**	**7.9**	**4.8**	**4.3**	**6.7**		

TABLE A-1c. TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR ZORTMAN MINE RECLAMATION MAA USING DISCRIMINATORY VALUES ONLY
Updated November 9, 2001

ACCOUNTS	ACCOUNT WEIGHT	SUB ACCOUNTS (issues)	SUB ACCOUNT WEIGHT	INDICATORS	INDICATOR WEIGHT	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE Z1 (Final EIS ALT.3, ROD)	ALTERNATIVE Z2 (Optimize Water Treatment within Bond)	ALTERNATIVE Z3 (Optimize Source Control within Bond)	ALTERNATIVE Z4 (Additional Pit Backfilling)	ALTERANTIVE Z5 (Total Backfill to Pre-Mine Topography)	ALTERNATIVE Z6 (Optimize Source Control and Aesthetics)	Discriminating Value (based on 20%)	
ENVIRONMENT	5	SURFACE WATER QUALITY PROTECTION VALUE	4	Alder Spur	0	7	9	9	9	9	9	9	9	0	ND
				Carter Spur	0	5	5	9	7	5	9	9	7	0	ND
				Ruby Gulch	4	5	5	9	7	5	9	9	7	16	D
				Lodgepole Creek	5	7	7	7	7	7	5	5	9	20	D
				SUB ACCOUNT SCORE		**6.1**	**6.1**	**7.9**	**7.0**	**6.1**	**6.8**	**6.8**	**8.1**		
		SURFACE WATER QUANTITY PROTECTION VALUE	3	Alder Spur	0	9	9	9	9	9	9	9	9	0	ND
				Carter Spur	0	7	7	9	7	7	9	9	7	0	ND
				Ruby Gulch	4	9	9	9	5	9	7	7	9	16	D
				Lodgepole Creek	5	7	7	7	7	7	9	9	7	10	D
				SUB ACCOUNT SCORE		**7.9**	**7.9**	**7.9**	**6.1**	**7.9**	**8.1**	**8.1**	**7.9**		
		GROUNDWATER PROTECTION VALUE	5	Alder Spur	0	9	9	9	9	9	9	9	9	0	ND
				Carter Spur	0	5	5	9	5	5	9	9	7	0	ND
				Ruby Gulch	3	5	5	9	7	7	9	9	9	12	D
				Lodgepole Creek	5	7	7	7	7	7	5	5	9	20	D
				SUB ACCOUNT SCORE		**6.3**	**6.3**	**7.8**	**7.0**	**7.0**	**6.5**	**6.5**	**9.0**		
		WTP WATER QUANTITY & QUALITY (INFLOW)	3	Acidity Load	3	3	3	9	5	5	7	7	7	18	D
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**9.0**	**5.0**	**5.0**	**7.0**	**7.0**	**7.0**		
		LAD WATER QUALITY	0	NO3/NO2 Load	0	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		LAD WATER QUANTITY	2	Volume	2	3	5	9	5	7	9	9	7	12	D
				SUB ACCOUNT SCORE		**3.0**	**5.0**	**9.0**	**5.0**	**7.0**	**9.0**	**9.0**	**7.0**		
		RE-ESTABLISHMENT OF BIOLOGICAL/VEGETATIVE POTENTIAL	5	Density of Revegetated Areas	3	3	3	7	5	7	9	9	9	18	D
				Ecosystem Diversity/Sustainability	5	3	3	7	5	7	9	9	9	30	D
				% of Area with Regrowth	3	2	2	8.5	8	8	8	9	8	21	D
				Compatability for Wildlife Habitat	4	3	3	5	5	5	9	9	7	24	D
				SUB ACCOUNT SCORE		**2.8**	**2.8**	**6.8**	**5.6**	**6.7**	**8.8**	**9.0**	**8.3**		
				ACCOUNT SCORE		**4.9**	**5.1**	**7.9**	**6.1**	**6.6**	**7.6**	**7.6**	**8.1**		
SOCIO-ECONOMICS	4	AESTHETICS	5	Appearance (Pleasing)	5	1	3	5	3	5	7	9	7	40	D
				SUB ACCOUNT SCORE		**1.0**	**3.0**	**5.0**	**3.0**	**5.0**	**7.0**	**9.0**	**7.0**		
		HUNTING & RECREATION	3	Suitability	3	5	5	7	7	7	9	9	9	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**	**9.0**		
		TOURISM	3	Suitability	3	3	3	7	9	7	9	9	7	18	D
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**7.0**	**9.0**	**7.0**	**9.0**	**9.0**	**7.0**		
		HEALTH AND SAFETY	5	Protection During Reclamation (Workers)	5	9	7	3	7	7	3	3	5	30	D
				Protection Post Reclamation (Public)	5	3	5	5	5	5	7	9	7	30	D
				SUB ACCOUNT SCORE		**6.0**	**6.0**	**4.0**	**6.0**	**6.0**	**5.0**	**6.0**	**6.0**		
		TRADITIONAL/CULTURAL	5	Usability	5	3	3	5	5	5	7	9	7	30	D
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**5.0**	**5.0**	**5.0**	**7.0**	**9.0**	**7.0**		
		COMMUNITY INFRASTRUCTURE	3	Condition of Utilities (Water System)	3	5	5	9	5	5	9	9	7	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**9.0**	**5.0**	**5.0**	**9.0**	**9.0**	**7.0**		
		COMPLETION PERIOD	3	Time to Complete Reclamation	3	9	8	5	7	7	4	2	6	21	D
				SUB ACCOUNT SCORE		**9.0**	**8.0**	**5.0**	**7.0**	**7.0**	**4.0**	**2.0**	**6.0**		
		MINERAL DEVELOPMENT POTENTIAL	3	Mineral Development Potential	3	9	7	5	7	7	3	3	7	18	D
				SUB ACCOUNT SCORE		**9.0**	**7.0**	**5.0**	**7.0**	**7.0**	**3.0**	**3.0**	**7.0**		
		FUTURE BURDEN ON SOCIETY	5	Long Term Management Requirements	5	5	5	7	9	7	9	9	7	20	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**9.0**	**7.0**	**9.0**	**9.0**	**7.0**		
		EMPLOYMENT OPPORTUNITIES (Reclamation & WTP)	5	Short Term Local Employment Value	4	1	3	7	5	5	9	9	7	32	D
				Long Term Local Employment Value	2	9	9	7	5	7	5	5	7	8	D
				SUB ACCOUNT SCORE		**3.7**	**5.0**	**7.0**	**5.0**	**5.7**	**7.7**	**7.7**	**7.0**		
				ACCOUNT SCORE		**4.7**	**4.9**	**6.0**	**6.1**	**6.1**	**7.0**	**7.5**	**7.0**		
				MULTIPLE ACCOUNT SCORE		**5.3**	**5.5**	**6.8**	**6.7**	**6.6**	**7.0**	**7.2**	**7.2**		

TABLE A-1d. TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR ZORTMAN MINE RECLAMATION MAA EXCLUDING ECONOMIC COSTS
Updated November 9, 2001

ACCOUNTS	ACCOUNT WEIGHT	SUB ACCOUNTS (issues)	SUB ACCOUNT WEIGHT	INDICATORS	INDICATOR WEIGHT	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE Z1 (Final EIS ALT.3, ROD)	ALTERNATIVE Z2 (Optimize Water Treatment within Bond)	ALTERNATIVE Z3 (Optimize Source Control within Bond)	ALTERNATIVE Z4 (Additional Pit Backfilling)	ALTERNATIVE Z5 (Total Backfill to Pre-Mine Topography)	ALTERNATIVE Z6 (Optimize Source Control and Aesthetics)	Discriminating Value (based on 20%)	
TECHNICAL	3	79/81, 83, 84, 89 LEACH PAD	2												
		Dikes		Stability/Erodability/Maintainability	5	7	9	9	9	9	9	9	9	10	D
		Heaps		Stability/Erodability/Maintainability	3	7	9	9	9	9	9	9	9	6	ND
		Liners		Durability/Maintainability	1	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**7.2**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		82 LEACH PAD	2												
		Heap, Dike & Liner		Stability/Erodability/Maintainability	4	5	9	9	9	9	9	9	9	16	D
				SUB ACCOUNT SCORE		**5.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		85/86 LEACH PAD	4												
		Dike		Stability/Erodability/Maintainability	3	3	3	7	3	7	7	9	7	18	D
		Heap		Stability/Erodability/Maintainability	4	1	3	5	5	5	7	9	7	32	D
		Liner		Durability/Maintainability	1	5	5	5	5	5	5	9	5	4	ND
				SUB ACCOUNT SCORE		**2.3**	**3.3**	**5.8**	**4.3**	**5.8**	**6.8**	**9.0**	**6.8**		
		WASTE ROCK DUMPS (Alder Gulch)	3	Stability/Erodability/Maintainability	3	5	5	9	5	5	9	9	7	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**9.0**	**5.0**	**5.0**	**9.0**	**9.0**	**7.0**		
		WASTE ROCK DUMPS (OK)	2	Stability/Erodability/Maintainability	2	5	5	9	5	5	7	7	7	8	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**9.0**	**5.0**	**5.0**	**7.0**	**7.0**	**7.0**		
		WASTE ROCK DUMPS (South Ruby)	2	Stability/Erodability/Maintainability	2	5	9	9	9	9	9	9	9	8	D
				SUB ACCOUNT SCORE		**5.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		OPEN PITS (N. Alabama)	1	Stability	1	5	5	5	5	5	9	9	7	4	ND
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**9.0**	**9.0**	**7.0**		
		OPEN PITS (S. Alabama)	2	Stability	2	5	7	7	7	7	9	9	7	8	D
				SUB ACCOUNT SCORE		**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**	**7.0**		
		OPEN PITS (OK/Ruby & Mint)	2	Stability	2	3	5	5	5	5	5	9	5	12	D
				SUB ACCOUNT SCORE		**3.0**	**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**9.0**	**5.0**		
		OPEN PITS (Ross Pit)	2	Stability	2	5	5	5	5	5	9	9	7	8	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**5.0**	**5.0**	**5.0**	**9.0**	**9.0**	**7.0**		
		UNDERGROUND WORKINGS	1	Stability	1	3	9	9	9	9	9	9	9	6	ND
				SUB ACCOUNT SCORE		**3.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		TAILINGS (in Ruby Gulch)	3	Erodability	3	1	1	9	1	1	9	9	5	24	D
				SUB ACCOUNT SCORE		**1.0**	**1.0**	**9.0**	**1.0**	**1.0**	**9.0**	**9.0**	**5.0**		
		STORM WATER CONTROL (Ditches)	5	Maintenance Requirements	5	7	7	9	9	9	9	9	9	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		COLLECTION & SEEPAGE CAPTURE/PUMPBACK SYSTEMS	5	Operating Requirements	3	3	3	5	7	3	9	9	3	18	D
				Maintenance Requirements	2	7	7	7	9	7	9	9	7	4	ND
				SUB ACCOUNT SCORE		**4.6**	**4.6**	**5.8**	**7.8**	**4.6**	**9.0**	**9.0**	**4.6**		
		WTP/LAD TREATMENT & RELEASE	2	Operating Requirements	5	3	3	9	7	7	9	9	7	30	D
				Sludge Disposal	3	9	9	9	5	9	5	5	9	12	D
				SUB ACCOUNT SCORE		**5.3**	**5.3**	**9.0**	**6.3**	**7.8**	**7.5**	**7.5**	**7.8**		
		ALTERNATIVE TECHNOLOGIES	1	Potential Application	1	7	7	9	9	9	9	9	9	2	ND
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		RECLAMATION COVERS	3	Long-term Durability	3	9	9	5	9	9	5	9	7	12	D
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**5.0**	**9.0**	**9.0**	**5.0**	**9.0**	**7.0**		
				ACCOUNT SCORE		**5.0**	**5.8**	**7.5**	**6.7**	**6.5**	**8.1**	**8.8**	**7.1**		
PROJECT ECONOMICS	0	RECLAMATION COST	5												
		Short Term Reclamation & LAD (~ 5yrs)		Cost	5	9	8	5	8	8	3	1	7	40	D
		Long Term Monitoring/Maintenance		NPV of Annual Costs	2	1	1	6	9	9	3	3	3	16	D
		% Attainable		% Attainable Within Bond	5	9	9	3	9	9	2	1	6	39	D
				SUB ACCOUNT SCORE		**7.7**	**7.4**	**4.3**	**8.5**	**8.5**	**2.3**	**1.5**	**5.9**		
		LONG TERM WATER TREATMENT COST	3												
		Costs		NPV of Annual Costs	5	7	7	8	9	7	9	9	8	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**8.0**	**9.0**	**7.0**	**9.0**	**9.0**	**8.0**		
				ACCOUNT SCORE		**7.4**	**7.2**	**5.7**	**8.7**	**7.9**	**4.8**	**4.3**	**6.7**		

TABLE A-1d. TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR ZORTMAN MINE RECLAMATION MAA EXCLUDING ECONOMIC COSTS
Updated November 9, 2001

ACCOUNTS	ACCOUNT WEIGHT	SUB ACCOUNTS (issues)	SUB ACCOUNT WEIGHT	INDICATORS	INDICATOR WEIGHT	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE Z1 (Final EIS ALT.3, ROD)	ALTERNATIVE Z2 (Optimize Water Treatment within Bond)	ALTERNATIVE Z3 (Optimize Source Control within Bond)	ALTERNATIVE Z4 (Additional Pit Backfilling)	ALTERNATIVE Z5 (Total Backfill to Pre-Mine Topography)	ALTERNATIVE Z6 (Optimize Source Control and Aesthetics)	Discriminating Value (based on 20%)	
ENVIRONMENT	5	SURFACE WATER QUALITY PROTECTION VALUE	4	Alder Spur	1	7	9	9	9	9	9	9	9	2	ND
				Carter Spur	1	5	5	9	7	5	9	9	7	4	ND
				Ruby Gulch	4	5	5	9	7	5	9	9	7	16	D
				Lodgepole Creek	5	7	7	7	7	7	5	5	9	20	D
				SUB ACCOUNT SCORE		**6.1**	**6.3**	**8.1**	**7.2**	**6.3**	**7.2**	**7.2**	**8.1**		
		SURFACE WATER QUANTITY PROTECTION VALUE	3	Alder Spur	1	9	9	9	9	9	9	9	9	0	ND
				Carter Spur	1	7	7	9	7	7	9	9	7	2	ND
				Ruby Gulch	4	9	9	9	5	9	7	7	9	16	D
				Lodgepole Creek	5	7	7	7	7	7	9	9	7	10	D
				SUB ACCOUNT SCORE		**7.9**	**7.9**	**8.1**	**6.5**	**7.9**	**8.3**	**8.3**	**7.9**		
		GROUNDWATER PROTECTION VALUE	5	Alder Spur	1	9	9	9	9	9	9	9	9	0	ND
				Carter Spur	1	5	5	9	5	5	9	9	7	4	ND
				Ruby Gulch	3	5	5	9	7	7	9	9	9	12	D
				Lodgepole Creek	5	7	7	7	7	7	5	5	9	20	D
				SUB ACCOUNT SCORE		**6.4**	**6.4**	**8.0**	**7.0**	**7.0**	**7.0**	**7.0**	**8.8**		
		WTP WATER QUANTITY & QUALITY (INFLOW)	3	Acidity Load	3	3	3	9	5	5	7	7	7	18	D
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**9.0**	**5.0**	**5.0**	**7.0**	**7.0**	**7.0**		
		LAD WATER QUALITY	3	NO3/NO2 Load	2	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		LAD WATER QUANTITY	2	Volume	2	3	5	9	5	7	9	9	7	12	D
				SUB ACCOUNT SCORE		**3.0**	**5.0**	**9.0**	**5.0**	**7.0**	**9.0**	**9.0**	**7.0**		
		RE-ESTABLISHMENT OF BIOLOGICAL/VEGETATIVE POTENTIAL	5	Density of Revegetated Areas	3	3	3	7	5	7	9	9	9	18	D
				Ecosystem Diversity/Sustainability	5	3	3	7	5	7	9	9	9	30	D
				% of Area with Regrowth	3	2	2	8.5	8	8	8	9	8	21	D
				Compatability for Wildlife Habitat	4	3	3	5	5	5	9	9	7	24	D
				SUB ACCOUNT SCORE		**2.8**	**2.8**	**6.8**	**5.6**	**6.7**	**8.8**	**9.0**	**8.3**		
				ACCOUNT SCORE		**5.4**	**5.6**	**8.1**	**6.5**	**6.9**	**7.9**	**8.0**	**8.1**		
SOCIO-ECONOMICS	4	AESTHETICS	5	Appearance (Pleasing)	5	1	3	5	3	5	7	9	7	40	D
				SUB ACCOUNT SCORE		**1.0**	**3.0**	**5.0**	**3.0**	**5.0**	**7.0**	**9.0**	**7.0**		
		HUNTING & RECREATION	3	Suitability	3	5	5	7	7	7	9	9	9	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**	**9.0**		
		TOURISM	3	Suitability	3	3	3	7	9	7	9	9	7	18	D
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**7.0**	**9.0**	**7.0**	**9.0**	**9.0**	**7.0**		
		HEALTH AND SAFETY	5	Protection During Reclamation (Workers)	0	9	7	3	7	7	3	3	5	0	ND
				Protection Post Reclamation (Public)	5	3	5	5	5	5	7	9	7	30	D
				SUB ACCOUNT SCORE		**3.0**	**5.0**	**5.0**	**5.0**	**5.0**	**7.0**	**9.0**	**7.0**		
		TRADITIONAL/CULTURAL	5	Usability	5	3	3	5	5	5	7	9	7	30	D
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**5.0**	**5.0**	**5.0**	**7.0**	**9.0**	**7.0**		
		COMMUNITY INFRASTRUCTURE	3	Condition of Utilities (Water System)	3	5	5	9	5	5	9	9	7	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**9.0**	**5.0**	**5.0**	**9.0**	**9.0**	**7.0**		
		COMPLETION PERIOD	0	Time to Complete Reclamation	0	9	8	5	7	7	4	2	6	0	ND
				SUB ACCOUNT SCORE		**9.0**	**8.0**	**5.0**	**7.0**	**7.0**	**4.0**	**2.0**	**6.0**		
		MINERAL DEVELOPMENT POTENTIAL	0	Mineral Development Potential	0	9	7	5	7	7	3	3	7	0	ND
				SUB ACCOUNT SCORE		**9.0**	**7.0**	**5.0**	**7.0**	**7.0**	**3.0**	**3.0**	**7.0**		
		FUTURE BURDEN ON SOCIETY	5	Long Term Management Requirements	5	5	5	7	9	7	9	9	7	20	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**9.0**	**7.0**	**9.0**	**9.0**	**7.0**		
		EMPLOYMENT OPPORTUNITIES (Reclamation & WTP)	0	Short Term Local Employment Value	0	1	3	7	5	5	9	9	7	0	ND
				Long Term Local Employment Value	0	9	9	7	5	7	5	5	7	0	ND
				SUB ACCOUNT SCORE		**5.0**	**6.0**	**7.0**	**5.0**	**6.0**	**7.0**	**7.0**	**7.0**		
				ACCOUNT SCORE		**3.4**	**4.1**	**6.2**	**6.0**	**5.8**	**8.0**	**9.0**	**7.2**		
				MULTIPLE ACCOUNT SCORE		**4.6**	**5.2**	**7.3**	**6.4**	**6.4**	**8.0**	**8.5**	**7.6**		

Relative to existing conditions:	**0.0**	**0.5**	**2.7**	**1.7**	**1.8**	**3.4**	**3.9**	**2.9**
Sum of cost estimates (million $)	**16.6**	**20.3**	**37.4**	**20.8**	**22.3**	**49.6**	**57.8**	**26.8**
Points per dollar value		**2.6**	**7.1**	**8.3**	**8.0**	**6.8**	**6.7**	**10.9**

Table A-1e. SUMMARY OF TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR ZORTMAN MINE RECLAMATION MAA
Updated November 9, 2001

ACCOUNTS		EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE Z1 (Final EIS ALT.3, ROD)	ALTERNATIVE Z2 (Optimize Water Treatment within Bond)	ALTERNATIVE Z3 (Optimize Source Control within Bond)	ALTERNATIVE Z4 (Additional Pit Backfilling)	ALTERANTIVE Z5 (Total Backfill to Pre-Mine Topography)	ALTERNATIVE Z6 (Optimize Source Control and Aesthetics)
TECHNICAL	RELATIVE RANKING	**8**	**7**	**3**	**5**	**6**	**2**	**1**	**4**
	ACCOUNT SCORE	**5.0**	**5.8**	**7.5**	**6.7**	**6.5**	**8.1**	**8.8**	**7.1**
PROJECT ECONOMICS	RELATIVE RANKING	**3**	**4**	**6**	**1**	**2**	**7**	**8**	**5**
	ACCOUNT SCORE	**7.4**	**7.2**	**5.7**	**8.7**	**7.9**	**4.8**	**4.3**	**6.7**
ENVIRONMENT	RELATIVE RANKING	**8**	**7**	**1**	**6**	**5**	**4**	**3**	**1**
	ACCOUNT SCORE	**5.4**	**5.6**	**8.1**	**6.5**	**6.9**	**7.9**	**8.0**	**8.1**
SOCIO-ECONOMICS	RELATIVE RANKING	**8**	**7**	**6**	**4**	**4**	**2**	**1**	**3**
	ACCOUNT SCORE	**4.7**	**4.9**	**6.0**	**6.1**	**6.1**	**7.0**	**7.5**	**6.8**
OVERALL RANKING		**8**	**7**	**4**	**4**	**6**	**3**	**1**	**1**
MULTIPLE ACCOUNT SCORE		**5.5**	**5.8**	**6.9**	**6.9**	**6.8**	**7.1**	**7.3**	**7.3**
SCORE RELATIVE TO EXISTING CONDITIONS		**0.0**	**0.3**	**1.4**	**1.4**	**1.3**	**1.6**	**1.8**	**1.7**

Table A-1f. SUMMARY OF TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR ZORTMAN MINE RECLAMATION MAA EXCLUDING ECONOMIC COSTS

Updated November 9, 2001

ACCOUNTS		EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE Z1 (Final EIS ALT.3, ROD)	ALTERNATIVE Z2 (Optimize Water Treatment within Bond)	ALTERNATIVE Z3 (Optimize Source Control within Bond)	ALTERNATIVE Z4 (Additional Pit Backfilling)	ALTERANTIVE Z5 (Total Backfill to Pre-Mine Topography)	ALTERNATIVE Z6 (Optimize Source Control and Aesthetics)
TECHNICAL	RELATIVE RANKING	8	7	3	5	6	2	1	4
	ACCOUNT SCORE	5.0	5.8	7.5	6.7	6.5	8.1	8.8	7.1
PROJECT ECONOMICS	RELATIVE RANKING	1	1	1	1	1	1	1	1
	ACCOUNT SCORE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENVIRONMENT	RELATIVE RANKING	8	7	1	6	5	4	3	1
	ACCOUNT SCORE	5.4	5.6	8.1	6.5	6.9	7.9	8.0	8.1
SOCIO-ECONOMICS	RELATIVE RANKING	8	7	4	5	6	2	1	3
	ACCOUNT SCORE	3.4	4.1	6.2	6.0	5.8	8.0	9.0	7.2
OVERALL RANKING		8	7	4	5	5	2	1	3
MULTIPLE ACCOUNT SCORE		4.6	5.2	7.3	6.4	6.4	8.0	8.5	7.6
SCORE RELATIVE TO EXISTING CONDITIONS		0.0	0.5	2.7	1.8	1.8	3.4	3.9	2.9

SUM OF COSTS FOR EACH ALTERNATIVE		20.3	37.4	20.8	22.3	49.6	57.8	26.8
POINT SCORE PER DOLLAR REQUIRED		2.6	7.1	8.3	8.0	6.8	6.7	10.9

Landusky Mine Reclamation MAA Tables

Table A-2a.	Multiple Accounts Analysis Ledger for Landusky Mine Reclamation
Table A-2b.	Technical Working Group Consensus Evaluation for Landusky Mine Reclamation MAA
Table A-2c.	Technical Working Group Consensus Evaluation for Landusky Mine Reclamation MAA Using Discriminatory Values Only
Table A-2d.	Technical Working Group Consensus Evaluation for Landusky Mine Reclamation MAA Excluding Economic Costs
Table A-2e.	Summary of Technical Working Group Consensus Evaluation for Landusky Mine Reclamation MAA
Table A-2f.	Summary of the Technical Working Group Consensus Evaluation for Landusky Mine Reclamation MAA Excluding Economic Costs

TABLE A-2a. MULTIPLE ACCOUNTS ANALYSIS LEDGER FOR LANDUSKY MINE RECLAMATION
Updated November 9, 2001

ACCOUNTS	SUB ACCOUNTS (issues)	INDICATORS	MEASURES	HIGH VALUE INDICATORS	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE L1 (Final EIS ALT.3, ROD)	ALTERNATIVE L2 (Optimize Earthwork Within Bond)	ALTERNATIVE L3 (Free Draining MT Gulch)	ALTERNATIVE L4 (Remove & Backfill 85/86 Pad but No Pit Notch)	ALTERNATIVE L5 (Backfill Pit Holes & Sulfide Highwalls)	ALTERNATIVE L6 (Total Backfill to Pre-mine Topography)
TECHNICAL	LOWER LEACH PADS (80/82, 83, 84)											
	Dikes	Stability/Erodability/Maintainability	value (good-poor)		intermediate	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good
	Heaps	Stability/Erodability/Maintainability	value (good-poor)		somewhat poor	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good
	Liners	Durability/Maintainability	value (good-poor)		intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate
	85/86 LEACH PAD											
	Dikes	Stability/Erodability/Maintainability	value (good-poor)		intermediate	intermediate	somewhat good	somewhat good	somewhat good	good	good	good
	Heaps	Stability/Erodability/Maintainability	value (good-poor)		somewhat poor	intermediate	intermediate	somewhat good	somewhat good	good	good	good
	Liners	Durability/Maintainability	value (good-poor)		intermediate	intermediate	intermediate	intermediate	intermediate	good	good	good
	87/91 LEACH PAD											
	Dikes	Stability/Erodability/Maintainability	value (good-poor)	*	intermediate	intermediate	good	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good
	Heaps	Stability/Erodability/Maintainability	value (good-poor)		somewhat poor	intermediate	somewhat good	intermediate	intermediate	intermediate	good	good
	Liners	Durability/Maintainability	value (good-poor)		intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate
	WASTE ROCK DUMPS (Mill Gulch)	Stability/Erodability/Maintainability	value (good-poor)		intermediate	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good
	WASTE ROCK DUMPS (Montana Gulch)	Stability/Erodability/Maintainability	value (good-poor)		intermediate	intermediate	somewhat good	intermediate	intermediate	intermediate	intermediate	intermediate
	WASTE ROCK DUMPS (Aug #1 & #2)	Stability/Erodability/Maintainability	value (good-poor)		intermediate	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good	good
	OPEN PITS	Stability	value (good-poor)		poor	somewhat poor	somewhat poor	somewhat poor	somewhat poor	intermediate	somewhat good	good
		Drainage Sustainability	value (good-poor)	*	somewhat poor	intermediate	somewhat good	somewhat poor	intermediate	intermediate	good	good
	UNDERGROUND WORKINGS	Stability	value (good-poor)		somewhat good	somewhat good	intermediate	somewhat good	somewhat good	somewhat good	somewhat good	somewhat good
	STORM WATER CONTROL (Ditches)	Maintenance Requirements	value (low-high)	*	intermediate	intermediate	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	intermediate
	COLLECTION & SEEPAGE	Operating Requirements	value (low-high)		intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	somewhat high	somewhat high
	CAPTURE/PUMPBACK SYSTEMS	Maintenance Requirements	value (low-high)		intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	somewhat high	somewhat high
	WTP/LAD TREATMENT & RELEASE	Operating Requirements	value (low-high)	*	high	somewhat high	somewhat low	intermediate	intermediate	intermediate	somewhat low	somewhat low
		Sludge Disposal	value (difficult-easy)		somewhat easy	somewhat easy	somewhat easy	somewhat easy	somewhat easy	somewhat easy	somewhat easy	somewhat easy
	ALTERNATIVE TECHNOLOGIES	Potential Application	value (difficult-easy)		somewhat difficult	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate
	RECLAMATION COVERS	Long-term Durability	value (good-poor)		somewhat good	somewhat good	somewhat poor	somewhat good	somewhat good	somewhat good	somewhat good	somewhat poor
PROJECT	RECLAMATION COST											
ECONOMICS	Short Term Reclamation & LAD	Cost	$ (million)	*	5.5	10.0	45.7	19.1	22.3	36.6	67.9	156.1
	Long Term Monitoring/Maintenance	Costs Over Next 10 Years	$ (million)		1	0.20	0.52	0.46	0.48	0.54	0.56	1.19
	% Attainable	% Attainable Within Bond	%	*	100%	100%	42%	100%	86%	53%	29%	12%
	LONG TERM WATER COLLECTION/TREATMENT COST (WTP, MPDES Monitoring)											
	Costs	NPV of Annual Cost	NPV $ (million)	*	12.4	12.4	11.4	11.9	11.9	11.9	11.9	11.8

TABLE A-2a. MULTIPLE ACCOUNTS ANALYSIS LEDGER FOR LANDUSKY MINE RECLAMATION
Updated November 9, 2001

ACCOUNTS	SUB ACCOUNTS (issues)	INDICATORS	MEASURES	HIGH VALUE INDICATORS	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE L1 (Final EIS ALT.3, ROD)	ALTERNATIVE L2 (Optimize Earthwork Within Bond)	ALTERNATIVE L3 (Free Draining MT Gulch)	ALTERNATIVE L4 (Remove & Backfill 85/86 Pad but No Pit Notch)	ALTERNATIVE L5 (Backfill Pit Holes & Sulfide Highwalls)	ALTERNATIVE L6 (Total Backfill to Pre-mine Topography)
ENVIRONMENT	SURFACE WATER QUALITY PROTECTION VALUE	Upper Swift Gulch	value (high-low)	*	intermediate	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	intermediate	somewhat low
		King Creek	value (high-low)	*	intermediate	intermediate	somewhat high	intermediate	somewhat high	somewhat high	somewhat high	intermediate
		Sullivan Gulch	value (high-low)		intermediate	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high
		Mill Gulch	value (high-low)		intermediate	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high
		Montana Gulch	value (high-low)	*	somewhat low	somewhat low	low	intermediate	intermediate	high	somewhat high	somewhat high
	SURFACE WATER QUANTITY PROTECTION VALUE	Upper Swift Gulch	value (high-low)	*	somewhat high	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	somewhat high
		King Creek	value (high-low)	*	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	high
		Sullivan Gulch	value (high-low)		somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low
		Mill Gulch	value (high-low)		somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low	somewhat low
		Montana Gulch	value (high-low)		high	high	high	high	high	high	high	intermediate
	GROUNDWATER QUALITY PROTECTION VALUE	Swift Gulch (Upper & Lower)	value (high-low)	*	low	intermediate	somewhat high	somewhat high	somewhat high	somewhat high	somewhat low	low
		King Creek	value (high-low)	*	intermediate	intermediate	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	intermediate
		Sullivan Gulch	value (high-low)		intermediate	intermediate	somewhat high	intermediate	intermediate	intermediate	intermediate	intermediate
		Mill Gulch	value (high-low)		intermediate	intermediate	somewhat high	intermediate	intermediate	intermediate	intermediate	intermediate
		Montana Gulch	value (high-low)		intermediate	intermediate	somewhat high	intermediate	intermediate	intermediate	intermediate	intermediate
	WTP WATER QUANTITY & QUALITY (INFLOW)	Acidity Load per year	value (low-high)		high	high	somewhat low	somewhat high	somewhat high	somewhat high	high	high
		Flow	value (low-high)		intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate
	LAD WATER QUALITY	NO3/NO2 Load	value (low-high)	*	high	high	high	high	high	high	high	high
		Metals Load (Se)	value (low-high)		high	high	high	high	high	high	high	high
	LAD WATER QUANTITY	Volume	value (low-high)		high	somewhat high	intermediate	intermediate	intermediate	somewhat low	somewhat low	low
	RE-ESTABLISHMENT OF BIOLOGICAL/VEGETATIVE POTENTIAL	Density of Revegetated Areas	value (good-poor)		somewhat poor	somewhat poor	somewhat good	somewhat good	somewhat good	somewhat good	good	good
		Ecosystem Diversity/Sustainability	value (high-low)	*	low	intermediate	intermediate	intermediate	intermediate	intermediate	somewhat high	somewhat high
		% of Area Revegetated	%		40.1	40.1	80.7	77.6	77.6	81.4	85.4	91.9
		Compatibility for Wildlife Habitat	value (high-low)		somewhat low	intermediate	somewhat high	somewhat high	somewhat high	somewhat high	high	high
SOCIO-ECONOMIC	AESTHETICS	Appearance (Pleasing)	value (high-low)	*	low	somewhat low	somewhat low	somewhat low	somewhat low	intermediate	somewhat high	high
	HUNTING / RECREATION	Suitability	value (high-low)		somewhat low	somewhat low	intermediate	intermediate	intermediate	intermediate	somewhat high	somewhat high
	TOURISM	Suitability	value (high-low)		somewhat low	somewhat low	intermediate	intermediate	intermediate	intermediate	somewhat high	somewhat high
	HEALTH AND SAFETY	Protection During Reclamation (Workers)	value (high-low)	*	high	somewhat high	intermediate	somewhat high	somewhat high	somewhat high	somewhat low	low
		Protection Post Reclamation (Public)	value (high-low)	*	intermediate	intermediate	somewhat high	somewhat high	somewhat high	somewhat high	high	high
	TRADITIONAL/CULTURAL	Usability	value (high-low)	*	low	low	somewhat low	somewhat low	somewhat low	somewhat low	intermediate	somewhat high
	COMMUNITY INFRASTRUCTURE	Protection of Water Supply	value (high-low)		somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high
	COMPLETION PERIOD	Time	years (low-high)		0	1	5	4	4	5	6	9
	MINERAL DEVELOPMENT POTENTIAL	Mineral Development Potential	value (high-low)		somewhat high	somewhat high	intermediate	intermediate	intermediate	intermediate	somewhat low	low
	FUTURE BURDEN ON SOCIETY	Long Term Management Requirements	years (low-high)	*	high	high	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high	somewhat high
	EMPLOYMENT OPPORTUNITIES (Reclamation & WTP)	Short Term Local Employment Value	value (high-low)		low	somewhat low	somewhat high	intermediate	intermediate	somewhat high	somewhat high	high
		Long Term Local Employment Value	value (high-low)		somewhat high	somewhat high	intermediate	intermediate	intermediate	intermediate	intermediate	intermediate

TABLE A2-b. TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR LANDUSKY MINE RECLAMATION MAA

Updated November 9, 2001

ACCOUNTS	ACCOUNT WEIGHT	SUB ACCOUNTS (issues)	SUB ACCOUNT WEIGHT	INDICATORS	INDICATOR WEIGHT	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE L1 (Final EIS ALT 3, ROD)	ALTERNATIVE L2 (Optimize Earthwork Within Bond)	ALTERNATIVE L3 (Free Draining MT Gulch)	ALTERNATIVE L4 (Remove & Backfill 85/86 Pad but No Pit Notch)	ALTERNATIVE L5 (Backfill Pit Holes & Sulfide Highwalls)	ALTERNATIVE L6 (Total Backfill to Pre-mine Topography)	Discriminating Value (based on 20%)	
TECHNICAL	3	LOWER LEACH PADS	2												
		Dikes		Stability/Erodability/Maintainability	3	7	9	9	9	9	9	9	9	6	ND
		Heaps		Stability/Erodability/Maintainability	3	5	9	9	9	9	9	9	9	12	D
		Liners		Durability/Maintainability	1	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**6.4**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		85/86 LEACH PAD	3												
		Dikes		Stability/Erodability/Maintainability	4	5	5	7	7	7	9	9	9	16	D
		Heaps		Stability/Erodability/Maintainability	3	3	5	5	7	7	9	9	9	18	D
		Liners		Durability/Maintainability	1	5	5	5	5	5	9	9	9	4	ND
				SUB ACCOUNT SCORE		**4.3**	**5.0**	**6.0**	**6.8**	**6.8**	**9.0**	**9.0**	**9.0**		
		87/91 LEACH PAD	5												
		Dikes		Stability/Erodability/Maintainability	5	5	5	9	7	7	7	7	7	20	D
		Heaps		Stability/Erodability/Maintainability	3	3	5	7	5	5	5	9	9	18	D
		Liners		Durability/Maintainability	1	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**4.8**	**5.4**	**8.3**	**6.6**	**6.6**	**6.6**	**7.9**	**7.9**		
		WASTE ROCK DUMPS (Mill Gulch)	1	Stability/Erodability/Maintainability	1	7	9	9	9	9	9	9	9	2	ND
				SUB ACCOUNT SCORE		**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		WASTE ROCK DUMPS (Montana Gulch)	3	Stability/Erodability/Maintainability	3	7	7	9	7	7	7	7	7	6	ND
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**		
		WASTE ROCK DUMPS (Aug #1 & #2)	1	Stability/Erodability/Maintainability	1	5	7	7	7	7	7	7	9	4	ND
				SUB ACCOUNT SCORE		**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**		
		OPEN PITS	4	Stability	2	1	3	3	3	3	5	7	9	16	D
				Drainage Sustainability	5	3	5	7	3	5	5	9	9	30	D
				SUB ACCOUNT SCORE		**2.4**	**4.4**	**5.9**	**3.0**	**4.4**	**5.0**	**8.4**	**9.0**		
		UNDERGROUND WORKINGS	1	Stability	1	9	9	7	9	9	9	9	9	2	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		STORM WATER CONTROL (Ditches)	5	Maintenance Requirements	5	7	7	9	9	9	9	9	7	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**7.0**		
		COLLECTION & SEEPAGE CAPTURE/PUMPBACK SYSTEMS	5	Operating Requirements	3	9	9	9	9	9	9	7	7	6	ND
				Maintainability	2	9	9	9	9	9	9	7	7	4	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**7.0**	**7.0**		
		WTP/LAD TREATMENT & RELEASE	2	Operating Requirements	5	3	5	9	7	7	7	9	9	30	D
				Sludge Disposal	3	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**5.3**	**6.5**	**9.0**	**7.8**	**7.8**	**7.8**	**9.0**	**9.0**		
		ALTERNATIVE TECHNOLOGIES	1	Potential Application	1	7	9	9	9	9	9	9	9	2	ND
				SUB ACCOUNT SCORE		**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		RECLAMATION COVERS	3	Long-term Durability	3	9	9	5	9	9	9	9	5	12	D
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**5.0**	**9.0**	**9.0**	**9.0**	**9.0**	**5.0**		
				ACCOUNT SCORE		**6.3**	**7.0**	**7.9**	**7.5**	**7.7**	**7.9**	**8.3**	**7.8**		
PROJECT ECONOMICS	3	RECLAMATION COST	5												
		Reclamation		Cost	5	9	9	7	8	8	7	6	1	40	D
		Sustained Monitoring/Maintenance		NPV of Annual Costs	2	3	9	6	7	7	6	6	1	16	D
		% Attainable		% Attainable Within Bond	5	9	9	4	9	8	5	3	1	40	D
				SUB ACCOUNT SCORE		**7.9**	**8.9**	**5.6**	**8.3**	**7.8**	**6.2**	**4.6**	**1.0**		
		LONG TERM WATER TREATMENT COST	5												
		Costs		NPV of Annual Costs	5	7	7	9	8	8	8	8	8	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**8.0**	**8.0**	**8.0**	**8.0**	**8.0**		
				ACCOUNT SCORE		**7.5**	**7.9**	**7.3**	**8.2**	**7.9**	**7.1**	**6.3**	**4.5**		

TABLE A2-b. TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR LANDUSKY MINE RECLAMATION MAA

Updated November 9, 2001

ACCOUNTS	ACCOUNT WEIGHT	SUB ACCOUNTS (issues)	SUB ACCOUNT WEIGHT	INDICATORS	INDICATOR WEIGHT	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE L1 (Final EIS ALT 3, ROD)	ALTERNATIVE L2 (Optimize Earthwork Within Bond)	ALTERNATIVE L3 (Free Draining MT Gulch)	ALTERNATIVE L4 (Remove & Backfill 85/86 Pad but No Pit Notch)	ALTERNATIVE L5 (Backfill Pit Holes & Sulfide Highwalls)	ALTERNATIVE L6 (Total Backfill to Pre-mine Topography)	Discriminating Value (based on 20%)	
ENVIRONMENT	5	SURFACE WATER QUALITY PROTECTION VALUE	4	Upper Swift Gulch	5	7	9	9	9	9	9	7	5	20	D
				King Creek	5	7	7	9	7	9	9	9	7	10	D
				Sullivan Gulch	2	7	9	9	9	9	9	9	9	4	ND
				Mill Gulch	4	7	9	9	9	9	9	9	9	8	D
				Montana Gulch	5	3	3	1	5	5	9	7	7	40	D
				SUB ACCOUNT SCORE		**6.0**	**7.1**	**7.1**	**7.6**	**8.0**	**9.0**	**8.0**	**7.1**		
		SURFACE WATER QUANTITY PROTECTION VALUE	4	Upper Swift Gulch	5	9	5	5	5	5	5	5	9	20	D
				King Creek	5	3	3	3	3	3	3	3	9	30	D
				Sullivan Gulch	1	9	9	9	9	9	9	9	9	0	ND
				Mill Gulch	3	9	9	9	9	9	9	9	9	0	ND
				Montana Gulch	4	9	9	9	9	9	9	9	5	16	D
				SUB ACCOUNT SCORE		**7.3**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**8.1**		
		GROUNDWATER QUALITY PROTECTION	5	Swift Gulch (Upper & Lower)	5	3	7	9	9	9	9	5	3	30	D
				King Creek	5	7	7	9	9	9	9	9	7	10	D
				Sullivan Gulch	2	7	7	9	7	7	7	7	7	4	ND
				Mill Gulch	4	7	7	9	7	7	7	7	7	8	D
				Montana Gulch	4	7	7	9	7	7	7	7	7	8	D
				SUB ACCOUNT SCORE		**6.0**	**7.0**	**9.0**	**8.0**	**8.0**	**8.0**	**7.0**	**6.0**		
		WTP WATER QUANTITY & QUALITY (INFLOW)	3	Acidity Load	3	3	3	9	5	5	5	3	3	18	D
				Flow	1	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**4.5**	**4.5**	**9.0**	**6.0**	**6.0**	**6.0**	**4.5**	**4.5**		
		LAD WATER QUALITY	3	NO3/NO2 Load	5	9	9	9	9	9	9	9	9	0	ND
				Metals Load	3	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		LAD WATER QUANTITY	2	Volume	2	1	3	5	5	5	7	7	9	16	D
				SUB ACCOUNT SCORE		**1.0**	**3.0**	**5.0**	**5.0**	**5.0**	**7.0**	**7.0**	**9.0**		
		RE-ESTABLISHMENT OF BIOLOGICAL/VEGETATIVE POTENTIAL	5	Density of Revegetated Areas	3	3	3	7	7	7	7	9	9	18	D
				Ecosystem Diversity/Sustainability	5	3	7	7	7	7	7	9	9	30	D
				% of Area Revegetated	3	3	3	7	7	7	7	7	9	18	D
				Compatibility for Wildlife Habitat	4	3	5	7	7	7	7	9	9	24	D
				SUB ACCOUNT SCORE		**3.0**	**4.9**	**7.0**	**7.0**	**7.0**	**7.0**	**8.6**	**9.0**		
				ACCOUNT SCORE		**5.4**	**6.1**	**7.6**	**7.1**	**7.2**	**7.5**	**7.3**	**7.5**		
SOCIO-ECONOMICS	4	AESTHETICS	5	Appearance (Pleasing)	5	1	3	3	3	3	5	7	9	40	D
				SUB ACCOUNT SCORE		**1.0**	**3.0**	**3.0**	**3.0**	**3.0**	**5.0**	**7.0**	**9.0**		
		HUNTING & RECREATION	3	Suitability	3	5	5	7	7	7	7	9	9	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**		
		TOURISM	3	Suitability	3	5	5	7	7	7	7	9	9	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**		
		HEALTH AND SAFETY	5	Suitability During Reclamation (Workers)	5	9	7	5	7	7	7	3	1	40	D
				Suitability Post Reclamation (Public)	5	5	5	7	7	7	7	9	9	20	D
				SUB ACCOUNT SCORE		**7.0**	**6.0**	**6.0**	**7.0**	**7.0**	**7.0**	**6.0**	**5.0**		
		TRADITIONAL/CULTURAL	5	Usability	5	3	3	5	5	5	5	7	9	30	D
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**5.0**	**5.0**	**5.0**	**5.0**	**7.0**	**9.0**		
		COMMUNITY INFRASTRUCTURE	1	Condition of Water Supply	1	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		COMPLETION PERIOD	3	Time to Complete Reclamation	3	9	9	5	6	6	5	4	1	24	D
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**5.0**	**6.0**	**6.0**	**5.0**	**4.0**	**1.0**		
		MINERAL DEVELOPMENT POTENTIAL	2	Mineral Development Potential	2	9	9	7	7	7	7	5	3	12	D
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**7.0**	**7.0**	**7.0**	**7.0**	**5.0**	**3.0**		
		FUTURE BURDEN ON SOCIETY	5	Long Term Management Requirements	5	7	7	9	9	9	9	9	9	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		EMPLOYMENT OPPORTUNITIES (Reclamation & WTP)	5	Short Term Local Employment Value	4	1	3	7	5	5	7	7	9	32	D
				Long Term Local Employment Value	2	9	9	7	7	7	7	7	7	4	ND
				SUB ACCOUNT SCORE		**3.7**	**5.0**	**7.0**	**5.7**	**5.7**	**7.0**	**7.0**	**8.3**		
				ACCOUNT SCORE		**4.5**	**4.8**	**5.8**	**5.8**	**5.8**	**6.2**	**6.8**	**7.3**		
				MULTIPLE ACCOUNT SCORE		**5.7**	**6.3**	**7.1**	**7.0**	**7.1**	**7.2**	**7.2**	**6.9**		

TABLE A-2c. TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR LANDUSKY MINE RECLAMATION MAA USING DISCRIMINATORY VALUES ONLY
Updated November 9, 2001

ACCOUNTS	ACCOUNT WEIGHT	SUB ACCOUNTS (issues)	SUB ACCOUNT WEIGHT	INDICATORS	INDICATOR WEIGHT	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE L1 (Final EIS ALT.3, ROD)	ALTERNATIVE L2 (Optimize Earthwork Within Bond)	ALTERNATIVE L3 (Free Draining MT Gulch)	ALTERNATIVE L4 (Remove & Backfill 85/86 Pad but No Pit Notch)	ALTERNATIVE L5 (Backfill Pit Holes & Sulfide Highwalls)	ALTERNATIVE L6 (Total Backfill to Pre-mine Topography)	Discriminating Value (based on 20%)	
TECHNICAL	3	LOWER LEACH PADS	2												
		Dikes		Stability/Erodability/Maintainability	0	7	9	9	9	9	9	9	9	0	ND
		Heaps		Stability/Erodability/Maintainability	3	5	9	9	9	9	9	9	9	12	D
		Liners		Durability/Maintainability	0	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**5.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		85/86 LEACH PAD	3												
		Dikes		Stability/Erodability/Maintainability	4	5	5	7	7	7	9	9	9	16	D
		Heaps		Stability/Erodability/Maintainability	3	3	5	5	7	7	9	9	9	18	D
		Liners		Durability/Maintainability	0	5	5	5	5	5	9	9	9	0	ND
				SUB ACCOUNT SCORE		**4.1**	**5.0**	**6.1**	**7.0**	**7.0**	**9.0**	**9.0**	**9.0**		
		87/91 LEACH PAD	5												
		Dikes		Stability/Erodability/Maintainability	5	5	5	9	7	7	7	7	7	20	D
		Heaps		Stability/Erodability/Maintainability	3	3	5	7	5	5	5	9	9	18	D
		Liners		Durability/Maintainability	0	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**4.3**	**5.0**	**8.3**	**6.3**	**6.3**	**6.3**	**7.8**	**7.8**		
		WASTE ROCK DUMPS (Mill Gulch)	0	Stability/Erodability/Maintainability	0	7	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		WASTE ROCK DUMPS (Montana Gulch)	0	Stability/Erodability/Maintainability	0	7	7	9	7	7	7	7	7	0	ND
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**		
		WASTE ROCK DUMPS (Aug #1 & #2)	0	Stability/Erodability/Maintainability	0	5	7	7	7	7	7	7	9	0	ND
				SUB ACCOUNT SCORE		**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**		
		OPEN PITS	4	Stability	2	1	3	3	3	3	5	7	9	16	D
				Drainage Sustainability	5	3	5	7	3	5	5	9	9	30	D
				SUB ACCOUNT SCORE		**2.4**	**4.4**	**5.9**	**3.0**	**4.4**	**5.0**	**8.4**	**9.0**		
		UNDERGROUND WORKINGS	0	Stability	0	9	9	7	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		STORM WATER CONTROL (Ditches)	5	Maintenance Requirements	5	7	7	9	9	9	9	9	7	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**7.0**		
		COLLECTION & SEEPAGE CAPTURE/PUMPBACK SYSTEMS	0	Operating Requirements	0	9	9	9	9	9	9	7	7	0	ND
				Maintainability	0	9	9	9	9	9	9	7	7	0	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**7.0**	**7.0**		
		WTP/LAD TREATMENT & RELEASE	2	Operating Requirements	5	3	5	9	7	7	7	9	9	30	D
				Sludge Disposal	0	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**3.0**	**5.0**	**9.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**		
		ALTERNATIVE TECHNOLOGIES	0	Potential Application	0	7	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		RECLAMATION COVERS	0	Long-term Durability	0	9	9	5	9	9	9	9	5	0	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**5.0**	**9.0**	**9.0**	**9.0**	**9.0**	**5.0**		
				ACCOUNT SCORE		**4.5**	**5.7**	**7.8**	**6.7**	**7.0**	**7.4**	**8.6**	**8.2**		
PROJECT ECONOMICS	3	RECLAMATION COST	5												
		Reclamation		Cost	5	9	9	7	8	8	7	6	1	40	D
		Sustained Monitoring/Maintenance		NPV of Annual Costs	2	3	9	6	7	7	6	6	1	16	D
		% Attainable		% Attainable Within Bond	5	9	9	4	9	8	5	3	1	40	D
				SUB ACCOUNT SCORE		**7.9**	**8.9**	**5.6**	**8.3**	**7.8**	**6.2**	**4.6**	**1.0**		
		LONG TERM WATER TREATMENT COST	5												
		Costs		NPV of Annual Costs	5	7	7	9	8	8	8	8	8	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**8.0**	**8.0**	**8.0**	**8.0**	**8.0**		
				ACCOUNT SCORE		**7.5**	**7.9**	**7.3**	**8.2**	**7.9**	**7.1**	**6.3**	**4.5**		

TABLE A-2c. TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR LANDUSKY MINE RECLAMATION MAA USING DISCRIMINATORY VALUES ONLY
Updated November 9, 2001

ACCOUNTS	ACCOUNT WEIGHT	SUB ACCOUNTS (issues)	SUB ACCOUNT WEIGHT	INDICATORS	INDICATOR WEIGHT	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE L1 (Final EIS ALT.3, ROD)	ALTERNATIVE L2 (Optimize Earthwork Within Bond)	ALTERNATIVE L3 (Free Draining MT Gulch)	ALTERNATIVE L4 (Remove & Backfill 85/86 Pad but No Pit Notch)	ALTERNATIVE L5 (Backfill Pit Holes & Sulfide Highwalls)	ALTERNATIVE L6 (Total Backfill to Pre-mine Topography)	Discriminating Value (based on 20%)	
ENVIRONMENT	5	SURFACE WATER QUALITY PROTECTION VALUE	4	Upper Swift Gulch	5	7	9	9	9	9	9	7	5	20	D
				King Creek	5	7	7	9	7	9	9	9	7	10	D
				Sullivan Gulch	0	7	9	9	9	9	9	9	9	0	ND
				Mill Gulch	4	7	9	9	9	9	9	9	9	8	D
				Montana Gulch	5	3	3	1	5	5	9	7	7	40	D
				SUB ACCOUNT SCORE		**5.9**	**6.9**	**6.9**	**7.4**	**7.9**	**9.0**	**7.9**	**6.9**		
		SURFACE WATER QUANTITY PROTECTION VALUE	4	Upper Swift Gulch	5	9	5	5	5	5	5	5	9	20	D
				King Creek	5	3	3	3	3	3	3	3	9	30	D
				Sullivan Gulch	0	9	9	9	9	9	9	9	9	0	ND
				Mill Gulch	0	9	9	9	9	9	9	9	9	0	ND
				Montana Gulch	4	9	9	9	9	9	9	9	5	16	D
				SUB ACCOUNT SCORE		**6.9**	**5.4**	**5.4**	**5.4**	**5.4**	**5.4**	**5.4**	**7.9**		
		GROUNDWATER QUALITY PROTECTION	5	Swift Gulch (Upper & Lower)	5	3	7	9	9	9	9	5	3	30	D
				King Creek	5	7	7	9	9	9	9	9	7	10	D
				Sullivan Gulch	0	7	7	9	7	7	7	7	7	0	ND
				Mill Gulch	0	7	7	9	7	7	7	7	7	0	ND
				Montana Gulch	4	7	7	9	7	7	7	7	7	8	D
				SUB ACCOUNT SCORE		**5.6**	**7.0**	**9.0**	**8.4**	**8.4**	**8.4**	**7.0**	**5.6**		
		WTP WATER QUANTITY & QUALITY (INFLOW)	3	Acidity Load	3	3	3	9	5	5	5	3	3	18	D
				Flow	0	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**9.0**	**5.0**	**5.0**	**5.0**	**3.0**	**3.0**		
		LAD WATER QUALITY	0	NO3/NO2 Load	0	9	9	9	9	9	9	9	9	0	ND
				Metals Load	0	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		LAD WATER QUANTITY	2	Volume	2	1	3	5	5	5	7	7	9	16	D
				SUB ACCOUNT SCORE		**1.0**	**3.0**	**5.0**	**5.0**	**5.0**	**7.0**	**7.0**	**9.0**		
		RE-ESTABLISHMENT OF BIOLOGICAL/VEGETATIVE POTENTIAL	5	Density of Revegetated Areas	3	3	3	7	7	7	7	9	9	18	D
				Ecosystem Diversity/Sustainability	5	3	7	7	7	7	7	9	9	30	D
				% of Area Revegetated	3	3	3	7	7	7	7	7	9	18	D
				Compatibility for Wildlife Habitat	4	3	5	7	7	7	7	9	9	24	D
				SUB ACCOUNT SCORE		**3.0**	**4.9**	**7.0**	**7.0**	**7.0**	**7.0**	**8.6**	**9.0**		
				ACCOUNT SCORE		**4.6**	**5.4**	**7.2**	**6.7**	**6.8**	**7.1**	**6.7**	**6.9**		
SOCIO-ECONOMICS	4	AESTHETICS	5	Appearance (Pleasing)	5	1	3	3	3	3	5	7	9	40	D
				SUB ACCOUNT SCORE		**1.0**	**3.0**	**3.0**	**3.0**	**3.0**	**5.0**	**7.0**	**9.0**		
		HUNTING & RECREATION	3	Suitability	3	5	5	7	7	7	7	9	9	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**		
		TOURISM	3	Suitability	3	5	5	7	7	7	7	9	9	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**		
		HEALTH AND SAFETY	5	Suitability During Reclamation (Workers)	5	9	7	5	7	7	7	3	1	40	D
				Suitability Post Reclamation (Public)	5	5	5	7	7	7	7	9	9	20	D
				SUB ACCOUNT SCORE		**7.0**	**6.0**	**6.0**	**7.0**	**7.0**	**7.0**	**6.0**	**5.0**		
		TRADITIONAL/CULTURAL	5	Usability	5	3	3	5	5	5	5	7	9	30	D
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**5.0**	**5.0**	**5.0**	**5.0**	**7.0**	**9.0**		
		COMMUNITY INFRASTRUCTURE	0	Condition of Water Supply	0	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		COMPLETION PERIOD	3	Time to Complete Reclamation	3	9	9	5	6	6	5	4	1	24	D
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**5.0**	**6.0**	**6.0**	**5.0**	**4.0**	**1.0**		
		MINERAL DEVELOPMENT POTENTIAL	2	Mineral Development Potential	2	9	9	7	7	7	7	5	3	12	D
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**7.0**	**7.0**	**7.0**	**7.0**	**5.0**	**3.0**		
		FUTURE BURDEN ON SOCIETY	5	Long Term Management Requirements	5	7	7	9	9	9	9	9	9	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		EMPLOYMENT OPPORTUNITIES (Reclamation & WTP)	5	Short Term Local Employment Value	4	1	3	7	5	5	7	7	9	32	D
				Long Term Local Employment Value	0	9	9	7	7	7	7	7	7	0	ND
				SUB ACCOUNT SCORE		**1.0**	**3.0**	**7.0**	**5.0**	**5.0**	**7.0**	**7.0**	**9.0**		
				ACCOUNT SCORE		**4.0**	**4.4**	**5.7**	**5.6**	**5.6**	**6.1**	**6.8**	**7.4**		
				MULTIPLE ACCOUNT SCORE		**5.0**	**5.7**	**7.0**	**6.7**	**6.7**	**6.9**	**7.0**	**6.8**		

TABLE A-2d. TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR LANDUSKY MINE RECLAMATION MAA EXCLUDING ECONOMIC COSTS
Updated November 9, 2001

ACCOUNTS	ACCOUNT WEIGHT	SUB ACCOUNTS (issues)	SUB ACCOUNT WEIGHT	INDICATORS	INDICATOR WEIGHT	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE L1 (Final EIS ALT.3, ROD)	ALTERNATIVE L2 (Optimize Earthwork Within Bond)	ALTERNATIVE L3 (Free Draining MT Gulch)	ALTERNATIVE L4 (Remove & Backfill 85/86 Pad but No Pit Notch)	ALTERNATIVE L5 (Backfill Pit Holes & Sulfide Highwalls)	ALTERNATIVE L6 (Total Backfill to Pre-mine Topography)	Discriminating Value (based on 20%)	
TECHNICAL	3	LOWER LEACH PADS	2												
		Dikes		Stability/Erodability/Maintainability	3	7	9	9	9	9	9	9	9	6	ND
		Heaps		Stability/Erodability/Maintainability	3	5	9	9	9	9	9	9	9	12	D
		Liners		Durability/Maintainability	1	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**6.4**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		85/86 LEACH PAD	3												
		Dikes		Stability/Erodability/Maintainability	4	5	5	7	7	7	9	9	9	16	D
		Heaps		Stability/Erodability/Maintainability	3	3	5	5	7	7	9	9	9	18	D
		Liners		Durability/Maintainability	1	5	5	5	5	5	9	9	9	4	ND
				SUB ACCOUNT SCORE		**4.3**	**5.0**	**6.0**	**6.8**	**6.8**	**9.0**	**9.0**	**9.0**		
		87/91 LEACH PAD	5												
		Dikes		Stability/Erodability/Maintainability	5	5	5	9	7	7	7	7	7	20	D
		Heaps		Stability/Erodability/Maintainability	3	3	5	7	5	5	5	9	9	18	D
		Liners		Durability/Maintainability	1	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**4.8**	**5.4**	**8.3**	**6.6**	**6.6**	**6.6**	**7.9**	**7.9**		
		WASTE ROCK DUMPS (Mill Gulch)	1	Stability/Erodability/Maintainability	1	7	9	9	9	9	9	9	9	2	ND
				SUB ACCOUNT SCORE		**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		WASTE ROCK DUMPS (Montana Gulch)	3	Stability/Erodability/Maintainability	3	7	7	9	7	7	7	7	7	6	ND
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**		
		WASTE ROCK DUMPS (Aug #1 & #2)	1	Stability/Erodability/Maintainability	1	5	7	7	7	7	7	7	9	4	ND
				SUB ACCOUNT SCORE		**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**		
		OPEN PITS	4	Stability	2	1	3	3	3	3	5	7	9	16	D
				Drainage Sustainability	5	3	5	7	3	5	5	9	9	30	D
				SUB ACCOUNT SCORE		**2.4**	**4.4**	**5.9**	**3.0**	**4.4**	**5.0**	**8.4**	**9.0**		
		UNDERGROUND WORKINGS	1	Stability	1	9	9	7	9	9	9	9	9	2	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		STORM WATER CONTROL (Ditches)	5	Maintenance Requirements	5	7	7	9	9	9	9	9	7	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**7.0**		
		COLLECTION & SEEPAGE CAPTURE/PUMPBACK SYSTEMS	5	Operating Requirements	3	9	9	9	9	9	9	7	7	6	ND
				Maintainability	2	9	9	9	9	9	9	7	7	4	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**7.0**	**7.0**		
		WTP/LAD TREATMENT & RELEASE	2	Operating Requirements	5	3	5	9	7	7	7	9	9	30	D
				Sludge Disposal	3	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**5.3**	**6.5**	**9.0**	**7.8**	**7.8**	**7.8**	**9.0**	**9.0**		
		ALTERNATIVE TECHNOLOGIES	1	Potential Application	1	7	9	9	9	9	9	9	9	2	ND
				SUB ACCOUNT SCORE		**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		RECLAMATION COVERS	3	Long-term Durability	3	9	9	5	9	9	9	9	5	12	D
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**5.0**	**9.0**	**9.0**	**9.0**	**9.0**	**5.0**		
				ACCOUNT SCORE		**6.3**	**7.0**	**7.9**	**7.5**	**7.7**	**7.9**	**8.3**	**7.8**		
PROJECT ECONOMICS	0	RECLAMATION COST	5												
		Reclamation		Cost	5	9	9	7	8	8	7	6	1	40	D
		Sustained Monitoring/Maintenance		NPV of Annual Costs	2	3	9	6	7	7	6	6	1	16	D
		% Attainable		% Attainable Within Bond	5	9	9	4	9	8	5	3	1	40	D
				SUB ACCOUNT SCORE		**7.9**	**8.9**	**5.6**	**8.3**	**7.8**	**6.2**	**4.6**	**1.0**		
		LONG TERM WATER TREATMENT COST	5												
		Costs		NPV of Annual Costs	5	7	7	9	8	8	8	8	8	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**8.0**	**8.0**	**8.0**	**8.0**	**8.0**		
				ACCOUNT SCORE		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**		

TABLE A-2d. TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR LANDUSKY MINE RECLAMATION MAA EXCLUDING ECONOMIC COSTS

Updated November 9, 2001

ACCOUNTS	ACCOUNT WEIGHT	SUB ACCOUNTS (issues)	SUB ACCOUNT WEIGHT	INDICATORS	INDICATOR WEIGHT	EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE L1 (Final EIS ALT.3, ROD)	ALTERNATIVE L2 (Optimize Earthwork Within Bond)	ALTERNATIVE L3 (Free Draining MT Gulch)	ALTERNATIVE L4 (Remove & Backfill 85/86 Pad but No Pit Notch)	ALTERNATIVE L5 (Backfill Pit Holes & Sulfide Highwalls)	ALTERNATIVE L6 (Total Backfill to Pre-mine Topography)	Discriminating Value (based on 20%)	
ENVIRONMENT	5	SURFACE WATER QUALITY PROTECTION VALUE	4	Upper Swift Gulch	5	7	9	9	9	9	9	7	5	20	D
				King Creek	5	7	7	9	7	9	9	9	7	10	D
				Sullivan Gulch	2	7	9	9	9	9	9	9	9	4	ND
				Mill Gulch	4	7	9	9	9	9	9	9	9	8	D
				Montana Gulch	5	3	3	1	5	5	9	7	7	40	D
				SUB ACCOUNT SCORE		**6.0**	**7.1**	**7.1**	**7.6**	**8.0**	**9.0**	**8.0**	**7.1**		
		SURFACE WATER QUANTITY PROTECTION VALUE	4	Upper Swift Gulch	5	9	5	5	5	5	5	5	9	20	D
				King Creek	5	3	3	3	3	3	3	3	9	30	D
				Sullivan Gulch	1	9	9	9	9	9	9	9	9	0	ND
				Mill Gulch	3	9	9	9	9	9	9	9	9	0	ND
				Montana Gulch	4	9	9	9	9	9	9	9	5	16	D
				SUB ACCOUNT SCORE		**7.3**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**6.2**	**8.1**		
		GROUNDWATER QUALITY PROTECTION	5	Swift Gulch (Upper & Lower)	5	3	7	9	9	9	9	5	3	30	D
				King Creek	5	7	7	9	9	9	9	9	7	10	D
				Sullivan Gulch	2	7	7	9	7	7	7	7	7	4	ND
				Mill Gulch	4	7	7	9	7	7	7	7	7	8	D
				Montana Gulch	4	7	7	9	7	7	7	7	7	8	D
				SUB ACCOUNT SCORE		**6.0**	**7.0**	**9.0**	**8.0**	**8.0**	**8.0**	**7.0**	**6.0**		
		WTP WATER QUANTITY & QUALITY (INFLOW)	3	Acidity Load	3	3	3	9	5	5	5	3	3	18	D
				Flow	1	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**4.5**	**4.5**	**9.0**	**6.0**	**6.0**	**6.0**	**4.5**	**4.5**		
		LAD WATER QUALITY	3	NO3/NO2 Load	5	9	9	9	9	9	9	9	9	0	ND
				Metals Load	3	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		LAD WATER QUANTITY	2	Volume	2	1	3	5	5	5	7	7	9	16	D
				SUB ACCOUNT SCORE		**1.0**	**3.0**	**5.0**	**5.0**	**5.0**	**7.0**	**7.0**	**9.0**		
		RE-ESTABLISHMENT OF BIOLOGICAL/VEGETATIVE POTENTIAL	5	Density of Revegetated Areas	3	3	3	7	7	7	7	9	9	18	D
				Ecosystem Diversity/Sustainability	5	3	7	7	7	7	7	9	9	30	D
				% of Area Revegetated	3	3	3	7	7	7	7	7	9	18	D
				Compatibility for Wildlife Habitat	4	3	5	7	7	7	7	9	9	24	D
				SUB ACCOUNT SCORE		**3.0**	**4.9**	**7.0**	**7.0**	**7.0**	**7.0**	**8.6**	**9.0**		
				ACCOUNT SCORE		**5.4**	**6.1**	**7.6**	**7.1**	**7.2**	**7.5**	**7.3**	**7.5**		
SOCIO-ECONOMICS	4	AESTHETICS	5	Appearance (Pleasing)	5	1	3	3	3	3	5	7	9	40	D
				SUB ACCOUNT SCORE		**1.0**	**3.0**	**3.0**	**3.0**	**3.0**	**5.0**	**7.0**	**9.0**		
		HUNTING & RECREATION	3	Suitability	3	5	5	7	7	7	7	9	9	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**		
		TOURISM	3	Suitability	3	5	5	7	7	7	7	9	9	12	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**		
		HEALTH AND SAFETY	5	Suitability During Reclamation (Workers)	0	9	7	5	7	7	7	3	1	0	ND
				Suitability Post Reclamation (Public)	5	5	5	7	7	7	7	9	9	20	D
				SUB ACCOUNT SCORE		**5.0**	**5.0**	**7.0**	**7.0**	**7.0**	**7.0**	**9.0**	**9.0**		
		TRADITIONAL/CULTURAL	5	Usability	5	3	3	5	5	5	5	7	9	30	D
				SUB ACCOUNT SCORE		**3.0**	**3.0**	**5.0**	**5.0**	**5.0**	**5.0**	**7.0**	**9.0**		
		COMMUNITY INFRASTRUCTURE	1	Condition of Water Supply	1	9	9	9	9	9	9	9	9	0	ND
				SUB ACCOUNT SCORE		**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		COMPLETION PERIOD	0	Time to Complete Reclamation	0	9	9	5	6	6	5	4	1	0	ND
				SUB ACCOUNT SCORE		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**		
		MINERAL DEVELOPMENT POTENTIAL	0	Mineral Development Potential	0	9	9	7	7	7	7	5	3	0	ND
				SUB ACCOUNT SCORE		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**		
		FUTURE BURDEN ON SOCIETY	5	Long Term Management Requirements	5	7	7	9	9	9	9	9	9	10	D
				SUB ACCOUNT SCORE		**7.0**	**7.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**	**9.0**		
		EMPLOYMENT OPPORTUNITIES (Reclamation & WTP)	0	Short Term Local Employment Value	0	1	3	7	5	5	7	7	9	0	ND
				Long Term Local Employment Value	0	9	9	7	7	7	7	7	7	0	ND
				SUB ACCOUNT SCORE		**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**		
				ACCOUNT SCORE		**4.4**	**4.8**	**6.3**	**6.3**	**6.3**	**6.7**	**8.3**	**9.0**		
				MULTIPLE ACCOUNT SCORE		**5.3**	**5.9**	**7.2**	**7.0**	**7.0**	**7.3**	**7.9**	**8.1**		
				Relative to existing conditions:		**0.0**	**0.6**	**1.9**	**1.7**	**1.7**	**2.0**	**2.6**	**2.8**		
				Sum of cost estimates (million$)		**18.9**	**22.6**	**57.6**	**31.5**	**34.7**	**49.0**	**80.4**	**169.1**		
				Points per dollar value			**2.7**	**3.4**	**5.3**	**5.0**	**4.2**	**3.2**	**1.6**		

TABLE A-2e. SUMMARY OF TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR LANDUSKY MINE RECLAMATION MAA
Updated November 9, 2001

ACCOUNTS		EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE L1 (Final EIS ALT.3, ROD)	ALTERNATIVE L2 (Optimize Earthwork Within Bond)	ALTERNATIVE L3 (Free Draining MT Gulch)	ALTERNATIVE L4 (Remove & Backfill 85/86 Pad but No Notch)	ALTERNATIVE L5 (Backfill Pit Holes & Sulfide Highwalls)	ALTERNATIVE L6 (Total Backfill to Pre-mine Topography)
TECHNICAL	RELATIVE RANKING	**8**	**7**	**2**	**6**	**5**	**2**	**1**	**4**
	ACCOUNT SCORE	**6.3**	**7.0**	**7.9**	**7.5**	**7.7**	**7.9**	**8.3**	**7.8**
PROJECT ECONOMICS	RELATIVE RANKING	**4**	**2**	**5**	**1**	**2**	**6**	**7**	**8**
	ACCOUNT SCORE	**7.5**	**7.9**	**7.3**	**8.2**	**7.9**	**7.1**	**6.3**	**4.5**
ENVIRONMENT	RELATIVE RANKING	**8**	**7**	**1**	**6**	**5**	**2**	**4**	**2**
	ACCOUNT SCORE	**5.4**	**6.1**	**7.6**	**7.1**	**7.2**	**7.5**	**7.3**	**7.5**
SOCIO-ECONOMICS	RELATIVE RANKING	**8**	**7**	**4**	**4**	**4**	**3**	**2**	**1**
	ACCOUNT SCORE	**4.5**	**4.8**	**5.8**	**5.8**	**5.8**	**6.2**	**6.8**	**7.3**
	OVERALL RANKING	**8**	**7**	**3**	**5**	**3**	**1**	**1**	**6**
	MULTIPLE ACCOUNT SCORE	**5.7**	**6.3**	**7.1**	**7.0**	**7.1**	**7.2**	**7.2**	**6.9**
	SCORE RELATIVE TO EXISTING CONDITIONS	**0.0**	**0.6**	**1.4**	**1.3**	**1.4**	**1.5**	**1.5**	**1.2**

TABLE A-2f. SUMMARY OF TECHNICAL WORKING GROUP CONSENSUS EVALUATION FOR LANDUSKY MINE RECLAMATION MAA EXCLUDING ECONOMIC COSTS

Updated November 9, 2001

ACCOUNTS		EXISTING CONDITIONS as of Jan 1999	CONDITIONS FOLLOWING INTERIM RECLAMATION as of Feb 2001	ALTERNATIVE L1 (Final EIS ALT.3, ROD)	ALTERNATIVE L2 (Optimize Earthwork Within Bond)	ALTERNATIVE L3 (Free Draining MT Gulch)	ALTERNATIVE L4 (Remove & Backfill 85/86 Pad but No Pit Notch)	ALTERNATIVE L5 (Backfill Pit Holes & Sulfide Highwalls)	ALTERNATIVE L6 (Total Backfill to Pre-mine Topography)
TECHNICAL	RELATIVE RANKING	8	7	2	6	5	2	1	4
	ACCOUNT SCORE	6.3	7.0	7.9	7.5	7.7	7.9	8.3	7.8
PROJECT ECONOMICS	RELATIVE RANKING	1	1	1	1	1	1	1	1
	ACCOUNT SCORE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
ENVIRONMENT	RELATIVE RANKING	8	7	1	6	5	2	4	2
	ACCOUNT SCORE	5.4	6.1	7.6	7.1	7.2	7.5	7.3	7.5
SOCIO-ECONOMICS	RELATIVE RANKING	8	7	4	4	4	3	2	1
	ACCOUNT SCORE	4.4	4.8	6.3	6.3	6.3	6.7	8.3	9.0
OVERALL RANKING		8	7	4	5	5	3	2	1
MULTIPLE ACCOUNT SCORE		5.3	5.9	7.2	7.0	7.0	7.3	7.9	8.1
SCORE RELATIVE TO EXISTING CONDITIONS		0.0	0.6	1.9	1.7	1.7	2.0	2.6	2.8

SUM OF COSTS FOR EACH ALTERNATIVE		22.6	57.6	31.5	34.7	49.0	80.4	169.1
POINT SCORE PER DOLLAR REQUIRED		2.7	3.4	5.3	5.0	4.2	3.2	1.6