G Cost Estimates

Helen Mercury Mine EE/CA OPINION OF PROBABLE COST						
Alternative 2	2: Limited Action Line Item	Est. Qty.	Unit*	Unit Price	Extended Price	Description
CONSTRUC	TION COST ESTIMATE					
MORII IZATI	ON & GENERAL SITE PREPARATION					
1	Mobilization, Bonding, Insurance	5	%	-	14,600.00 Typica	al percentage of overall construction
2	Construction BMPs (E&S Controls)	2	%	5		al percentage of overall construction
3 4	Minor Road Improvements Clear & Grub diversion channel areas	5.00 0.50	AC	3,025.75 1,353.85	15,100.00 HCCE	0 Crews B10L 0 02230-100-0300
5	Surveying	8	DAY	1,180.56		O Crews A-6, 3 field days pre/post construction, 2 days office
6	Cleanup & Demobilization	1	LS	5,000.00	5,000.00 Judgn 46,900	nent
Excavation a	and Movement of Material Pull back of material	7,600	CY	4.48	24 000 00 ludge	ment, 3 CY track mounted backhoe
8	Regrade material pulled back	7,600	CY	4.48		ment, spread from stockpile, 2.5 CY FE loader
9	Final grading of placed material	2,533	SY	1.10	2,800.00 Judge 70,800	
Armored Em						
10 11	Excavation of armored embankments Filter fabric	100 24	CY SY	6.13 1.12		0 02310-100-1150 Hand grading; modified from per SY ement, Dewitt filter fabric plus installation
12	Clear & Grub access to lower mine area	1	AC	1,353.85	_	0 02230-100-0300
13	Cut access road to lower mine area	550	CY	8.91	,	0 02315-432-5420
14 15	Riprap	24 24	CY CY	55.53 34.82		0 17 03 0418; includes materials, delivery, and dumping
	Place riprap	24	Ci	34.02	8,300.00 BCCL	0 02370-450-0100; machine placed
Diversion Cl 16	nannel Construction Excavation of diversion channel	1,100	CY	4.48	4 900 00 Judge	ment, 3 CY track mounted backhoe
17	Filter fabric	2,000	SY	1.12		ment, Dewitt filter fabric plus installation
18	Granular bedding (materials)	83	CY	53.83		0 02315-640-0050; bedding and placement
19 20	Haul bedding material to site Compact bedding material in channels	83 83	CY CY	36.89 5.47		0 02315-490-0560; 12 CY dump;20 mile RT 0 02315-640-0500; compacting bedding in trench
21	Riprap	250	CY	55.53		0 17 03 0418; includes materials, delivery, and dumping
22	Place riprap	250	CY	34.82	8,700.00 BCCD 37,800	0 02370-450-0100; machine placed
Perimeter Fe						
23 24	Locking Gates Perimeter Fencing	2,500	EA LF	1,600.91 7.81		0 02800-130-5020; 20' opening, 6' high, including installation 0 01560-250-0200
25	Access Restriction Signs	25	EA	26.00	,	ment and experience with similar projects
Miscellaneo					,	
26 27	Providing Dust Control Erosion control	264 2,533	day SY	18.00 10.38	4,750.00 Judge	ment 0 17 03 9904 mulch hay, 50 lb; modified per SY (1 bale/SY)
28	Re-seeding	4,840	SY	0.64		0 02920-310-0300
29	Stormwater Pollution Prevention Control	1	LS	5,000.00		ment and experience with similar projects
30 53	Providing Decon Area Groundwater monitoring	30	SY EA	54.55 3,000.00		0 02370-450-0400, stone truck washes ement, monitoring well installation and sampling
	Groundwater monitoring	3	LA	3,000.00	49,760	ment, monitoring wen installation and sampling
SUBTOTAL	FOR CONSTRUCTION				237,000	
31	Additional line items allowance	10	%	237,000.00	23,700.00	
32	FOR CONSTRUCTION WITHOUT CONTINGENCY Contingency	15	%	260,700.00	260,700 39,100.00	
	FOR CONSTRUCTION WITH CONTINGENCY				299,800	
DESIGN COS	ST ESTIMATE					
ENGINEER	NG & DESIGN					
33	Certificate of Designation Application Fees	1	LS	5,000.00	5,000.00 Judgn	nent
34	Engineering design & operation report	1	LS	80,000.00	80,000.00 Judgn	nent
35	Construction oversight	1	LS	14,400.00	,	nent, 1 people @ \$80/day, 10 hour/day, 6 day/week, 3 weeks
36	Administration	1	LS	3,000.00	3,000.00 Judgn 102,400	nent
	AL REQUIREMENTS	1	10	4 000 00	4.000.00 luden	and the same of th
37 38	Monitoring program plan Recordkeeping	1	LS YR	4,000.00 2,000.00	4,000.00 Judgn 2,000.00 Judgn 6,000	
	OSURE - ENGINEERING/DESIGN					
39 40	State & Local notifications	1	LS LS	3,000.00 3,000.00	3,000.00 Judgn	
40 41	General public notification Closure plan preparation	1	LS	4,000.00	3,000.00 Judgn 4,000.00 Judgn	
42	Post-closure plan preparation	1	LS	3,000.00	3,000.00 Judgn	
SURTOTAL	FOR DESIGN AND OPERATION				121,400.00	
43	Additional line items allowance	10	%	121,400.00	121,400.00	
SUBTOTAL	FOR DESIGN WITHOUT CONTINGENCY				133,500.00	
44	Contingency FOR DESIGN WITH CONTINGENCY	15	%	133,500.00	20,000.00	
SUBTUTAL	TON DESIGN WITH CONTINGENCY				153,500	
TOTAL FOR	DESIGN + CONSTRUCTION (ROUNDED)				453,300	

ASSUMPTIONS & LIMITATIONS:

Pricing is for 2010 present value with 7 percent discount rate.
 Annual costs are set at 30 years for long-term monitoring activities at the Site.
 Extended prices are rounded to the nearest \$100; however, in cases where the nearest \$100 value is \$0, an extended price of \$100 has been assigned

*UNITS:
AC = acre
CY = cubic yard

EA = each LF = linear foot

LS = lump sum SY = square yard YR = year

HCCD = RSMeans Heavy Construction Cost Data 2006, adjusted for inflation BCCD = RSMeans Building Construction Cost Data 2005, adjusted for inflation ERCD = RSMeans Environmental Remediation Cost Data 2005, adjusted for inflation Judgement = Professional judgement or estimation by E & E.

Helen Mine EE/CA **OPINION OF PROBABLE COST** Alternative 3:Onsite Stabilization and Consolidation Est. Qty. Unit* Unit Price Extended Price Description ONSTRUCTION COST ESTIMATE TION & GENERAL SITE PREPARATION Mobilization, Bonding, Insurance 20,300.00 Typical percentage of overall construction 8,100.00 Typical percentage of overall construction 12,100.00 HCCD Crews B10L Construction BMPs (E&S Controls) 2 4.00 DAY 3,025.75 Minor to Moderate Road Improvements 2,700.00 HCCD 02230-100-0300, aareas surrounding terrace locations 2.00 AC 1,353.85 Clear & Grub staging areas Surveying 10 DAY 1.180.56 11,800.00 HCCD Crews A-6, 4 field days pre/post construction, 4 days intermediate, 2 days office Cleanup & Demobilization 5 8,000.00 8,000.00 Judgment 1 LS Excavation of sediment/waste material from southern 488 CY 1,800.00 HCCD 02315-424-0300; 3 CY track mounted backhoe disturbed area, south valley Haul south valley sediment to consolidation cell 1,700.00 HCCD 02315-490-2010, 1000' haul, 22 CY rear dump 488 8 Placement of south valley sediment in consolidation cell 488 CY 3.76 1,800.00 HCCD 02315-520-0170, spread fill from stockpile, 2.5 CY FE loader, 300' haul Excavation of sediment/waste material from southern 9 658 CY 3.76 2,500.00 HCCD 02315-424-0300; 3 CY track mounted backhoe disturbed area, north valley 2,200.00 HCCD 02315-490-2010, 1000' haul, 22 CY rear dump 10 Haul north valley sediment to consolidation cell 658 CY 3.40 2,500.00 HCCD 02315-520-0170, spread fill from stockpile, 2.5 CY FE loader, 300' haul 658 3.76 11 Placement of north valley sediment in consolidation cell CY 12 Excavation of tailings from north tailings pile 5,339 CY 3.76 20,100.00 HCCD 02315-424-0300; 3 CY track mounted backhoe 13 Haul north tailings to consolidation cell 5,339 CY 3.40 18,200.00 HCCD 02315-490-2010, 1000' haul, 22 CY rear dump Placement of north tailings in consolidation cell 5,339 CY 3.76 20,100.00 HCCD 02315-520-0170, spread fill from stockpile, 2.5 CY FE loader, 300' haul 14 15 223 CY 3.76 800.00 HCCD 02315-424-0300; 3 CY track mounted backhoe Excavation of storage tank area 800.00 HCCD 02315-490-2010, 1000' haul, 22 CY rear dump 16 Haul storage tank area to consolidation cell 223 3.40 17 Placement of storage tank area material in consolidation cell 223 CY 3.76 $800.00\,$ HCCD 02315-520-0170, spread fill from stockpile, 2.5 CY FE loader, 300' haul 18 Grade Subgrade 1.600 SY 2.97 4,700.00 HCCD 02310-100-1050, Subgrade for small irregular areas 3,000.00 HCCD 02315-310-5080, 12" lifts, 3 passes 19 Compact placed material at consolidation cell 6,708 0.45 500.00 HCCD 02310-100-3300, finish grading slopes, gentle slopes Final grading of placed material at consolidation cell 20 2,600 3,700.00 HCCD 2340-300-1550, geotextile, non-woven 120 lb tensile strength Demarcation Layer 22 Select fill 858 CY 23.37 20,100.00 ERCD 17 03 0424; unclassified fill, delivered, off site, includes remoteness factor 3,200.00 HCCD 02315-520-0170, spread fill from stockpile, 2.5 CY FE loader, 300' haul 23 Placement of select fill 858 CY 3.76 400.00 BCCD 02315-310-5080; 12" lifts, 3 passes Compaction of select fill 24 858 0.47 18,800.00 ERCD 18 05 0301 Furnish imported topsoil (includes material and hauling to site) 9,800.00 HCCD 02315-520-0170, spread topsoil from stockpile, 2.5 CY FE loader, 300' haul 25 Topsoil 434 CY 43.39 2,600 26 Placing topsoil 3.76 3.000.00 BCCD 02310-100-1150 Hand grading; modified from per SY Grading of excavated south valley 488 6.13 658 CY 4,000.00 BCCD 02310-100-1150 Hand grading; modified from per SY 28 Grading of excavated north valley 6.13 20,600.00 BCCD 02315-640-0050; bedding and placement Granular bedding (materials) 382 29 Haul bedding material to site 30 382 CY 36.89 14,100.00 BCCD 02315-490-0560; 12 CY dump;20 mile RT 2,100.00 BCCD 02315-640-0500; compacting bedding in trench 382 CY 5.47 31 Compact bedding material in channels 42,400.00 ERCD 17 03 0418; includes materials, delivery, and dumping 32 764 55.53 Riprap 33 Place riprap 764 CY 34.82 $26,\!600.00\,\, BCCD\,\, 02370\text{-}450\text{-}0100;\, machine\,\, placed$ Perimeter Fencing at consolidation cell 648 LF 30.37 19,700.00 HCCD 2820-130-200, 3 strand barb wire, 2" post, 6' height, 9 ga. Wire, galv. Steel 34 19,700 100.00 HCCD 2310-100-3310; finishing grading slopes, steep slopes Final grading of north tailings pile excavation 36 Final grading of Storage Tank Area 669 SY 0.21 100.00 HCCD 02310-100-3300; finishing grading slopes, gentle slopes 37 Revegetation 1,803.53 2,039.40 Judgement, includes excavated areas and surface of consolidation cell 2,700.00 Means crew B-10T 38 Permanent surface water control grading 2 DAY 1,339.86 Providing Dust Control 2.573 4,520.00 HCCD 02315-310-9010, 3000 gal. Water truck, 6 mile haul 56,810.00 ERCD 17 03 9904 mulch hay, 50 lb; modified per SY (1 bale/SY) 10.38 40 5,473 Erosion control Stormwater Pollution Prevention Control LS 20,000.00 20,000.00 Judgement and experience with similar projects 42 Providing Decon Area 30 SY 54.55 $1,600.00\ HCCD\ 02370\text{-}450\text{-}0400$, stone truck washes 9,000.00 HCCD Crews B10L 1,801.04 43 Temporary road construction for bridge access 5 day 300 2,600.00 HCCD 2720-200-0301; crushed 1.5" stone base compacted 4" deep Placement and compaction of gravel road bed 45 Installation and removal of 40' temporary bridge 1.00 LS 1,200.00 1,200.00 Contractor Quote 46 1,784.54 7,100.00 Contractor Quote Rent 40' bridge 4.00 week 102,830 SUBTOTAL FOR CONSTRUCTION 437.069 10 % 437,069.00 Additional line items allowance 43,700.00 SUBTOTAL FOR CONSTRUCTION WITHOUT CONTINGENCY 480,769 Contingency 480,769.00 ESIGN COST ESTIMATE 5,000.00 80,000.00 Certificate of Designation Application Fees LS LS 46 Engineering design & operation report 80,000.00 Judgment 47 LS 38,400.00 38,400.00 Judgment, 2 people @ \$80/day, 10 hour/day, 6 day/week, 1 month Construction oversight 48 LS 8,000.00 8,000.00 Judgment RATIONAL REQUIREMENT 1 LS 6,000.00 49 Monitoring program plan 6,000.00 Judgment 2 person @\$80/day, 12 hour/day, 4 days a year for 30 years (inspection of cap, sampling of 50 Site Inspection and monitoring and record keeping 30 YR 15,700.00 194,800.00 water and sediment, minor repairs). ODC's \$200 per visit, 1 hour PE review, and annual reporting of results 200,800 / CLOSURE - ENGINEERING/[State & Local notifications LS LS 3.000.00 3,000.00 Judgment 51 3,000.00 Judgment General public notification 3,000.00 52 LS 8,000.00 53 Closure plan preparation 8,000.00 Judgment 54 Post-closure plan preparation LS 4,000.00 4,000.00 Judgment 18,000 SUBTOTAL FOR DESIGN AND OPERATION 350.200.00 350,200.00 10 Additional line items allowance 35,000.00 SUBTOTAL FOR DESIGN WITHOUT CONTINGENCY 385,200.00 385,200.00 57.800.00 Contingend TOTAL FOR DESIGN + CONSTRUCTION (ROUNDED) 995,900

ASSUMPTIONS & LIMITATIONS

- 1 Pricing is for 2008 present value with 7 percent discount rate
- 2 Annual costs are set at 30 years for long-term monitoring activities at the Site.

3 Mark-up factor of 1.68 applied to all RSMeans costs

*UNITS:
AC = acre
CY = cubic yard
EA = each
LF = linear foot
LS = lump sum
SY = square yard
YR = year

HCCD = RSMeans Heavy Construction Cost Data 2006, adjusted for inflation BCCD = RSMeans Building Construction Cost Data 2005, adjusted for inflation ERCD = RSMeans Environmental Remediation Cost Data 2005, adjusted for inflation Judgement = Professional judgement or estimation by E & E.

Helen Mine EE/CA OPINION OF PROBABLE COST Alternative 4:Onsite Consolidation and Placement in Lined Repository Est. Qty. Unit* Unit Price Extended Price Line Item Description ONSTRUCTION COST ESTIMATE 21,900.00 Typical percentage of overall construction 8,700.00 Typical percentage of overall construction Construction BMPs (E&S Controls) 3,025.75 Minor to Moderate Road Improvements 4.00 DAY 12,100.00 HCCD Crews B10L Clear & Grub staging areas 2.00 AC 13 DAY 1,353.85 1,180.56 2,700.00 HCCD 02230-100-0300, aareas surrounding terrace locations 15,300.00 HCCD Crews A-6, 4 field days pre/post construction, 4 days intermediate, 2 days office Surveying Cleanup & Demobilization 5 1 LS 8,000.00 8,000.00 Judgment Excavate repository subgrade 2,128 CY 3.76 8,000.00 HCCD 02315-424-0300; 3 CY track mounted backhoe 300.00 HCCD 02315-490-2010, 1000' haul, 22 CY rear dump Excavate repository trench Grade Subgrade 1,600 2.97 4,700.00 HCCD 02310-100-1050, Subgrade for small irregular areas 200.00 HCCD 02315-310-5080; Duby ale for shift in legitial areas 200.00 HCCD 02315-310-5080; 12" lifts, 3 passes 24,100.00 ERCD 17 03 0424; unclassified fill, delivered, off site, includes remoteness factor 533 1,734 CY CY CY 0.45 13.91 Clay (import) 11 Clay placement 1,734 2.50 4,300.00 HCCD 02315-520-0020; fill, spread dumped material 800.00 HCCD 02315-310-5080; 12" lifts, 3 passes 5,200.00 HCCD 02620-300-100; fabric laid in trench, polypropylene, ideal conditions 12 Compact clay 1.734 0.45 1,760 2.95 Geocomposite drainage layer 47,600.00 Excavation of sediment/waste material from southern disturbed 488 3.76 CY 1,800.00 HCCD 02315-424-0300; 3 CY track mounted backhoe 14 area, south valley Haul south valley sediment to repository Placement of south valley sediment in repository $1,700.00\ \ HCCD\ \ 02315-490-2010,\ 1000'\ haul,\ 22\ CY\ rear\ dump\\ 1,800.00\ \ HCCD\ \ 02315-520-0170,\ spread\ fill\ from\ stockpile,\ 2.5\ CY\ FE\ loader,\ 300'\ haul$ 488 488 16 Excavation of sediment/waste material from southern disturbed 658 CY 3.76 17 2,500.00 HCCD 02315-424-0300; 3 CY track mounted backhoe area, north valley 2,200.00 HCCD 02315-490-2010, 1000' haul, 22 CY rear dump 2,500.00 HCCD 02315-520-0170, spread fill from stockpile, 2.5 CY FE loader, 300' haul Haul north valley sediment to repository 658 658 CY CY 3.40 3.76 Placement of north valley sediment in repository 19 20 Excavation of tailings from north tailings pile 5,339 CY 3.76 20,100.00 HCCD 02315-424-0300; 3 CY track mounted backhoe Haul north tailings to repository 5,339 CY 18,200.00 HCCD 02315-490-2010, 1000' haul, 22 CY rear dump 21 3.40 22 Placement of north tailings in repository 5.339 CY 3.76 20,100.00 HCCD 02315-520-0170, spread fill from stockpile, 2.5 CY FE loader, 300' haul 223 800.00 HCCD 02315-424-0300; 3 CY track mounted backhoe 23 Excavation of storage tank area CY 3.76 24 Haul storage tank area to repository 223 CY 3.40 800.00 HCCD 02315-490-2010, 1000' haul, 22 CY rear dump 25 Placement of storage tank area material in repository 223 3.76 $800.00\,$ HCCD 02315-520-0170, spread fill from stockpile, 2.5 CY FE loader, 300' haul 26 24 CY 3.76 100.00 HCCD 02315-424-0300; 3 CY track mounted backhoe Excavation of retort area 3.40 3.76 100.00 HCCD 02315-490-2010, 1000' haul, 22 CY rear dump 100.00 HCCD 02315-520-0170, spread fill from stockpile, 2.5 CY FE loader, 300' haul 3,100.00 HCCD 02315-310-5080, 12" lifts, 3 passes 27 28 24 24 CY CY Placement of retort area material in repository Compact placed material at consolidation cell 6,732 29 CY 0.45 30 Final grading of placed material in repository 2,600 SY 0.21 500.00 HCCD 02310-100-3300, finish grading slopes, gentle slopes 40,500.00 ERCD 17 03 0424; unclassified fill, delivered, off site, includes remoteness fac 6,500.00 HCCD 02315-520-0170, spread fill from stockpile, 2.5 CY FE loader, 300' haul Placement of clay line 33 Compaction of clay liner 1,734 0.47 800.00 BCCD 02315-310-5080; 12" lifts, 3 passes 23.37 3.76 20,100.00 ERCD 17 03 0424; unclassified fill, delivered, off site, includes remoteness factor 3,200.00 HCCD 02315-520-0170, spread fill from stockpile, 2.5 CY FE loader, 300' haul Select fill Placement of select fill 36 Compaction of select fill 858 CY 0.47 400.00 BCCD 02315-310-5080; 12" lifts, 3 passes 18,800.00 ERCD 18 05 0301 Furnish imported topsoil (includes material and hauling to site) 9,800.00 HCCD 02315-520-0170, spread topsoil from stockpile, 2.5 CY FE loader, 300' haul Topsoil (vegetative cover) Placing topsoil (vegetative cover) 37 38 434 43.39 3.76 100,100 Grading of excavated south valley 3,000.00 BCCD 02310-100-1150 Hand grading; modified from per SY Grading of excavated north valle 40 658 6.13 4,000.00 BCCD 02310-100-1150 Hand grading; modified from per SY Granular bedding (materials) 382 382 CY 53.83 36.89 20,600.00 BCCD 02315-640-0050; bedding and placement 14,100.00 BCCD 02315-490-0560; 12 CY dump;20 mile RT 41 42 Haul bedding material to site 2 100 00 BCCD 02315-640-0500; compacting hedding in trench 43 Compact bedding material in channels 382 CY 5.47 764 764 24,400.00 ERCD 17 03 0418; includes materials, delivery, and dumping 26,600.00 BCCD 02370-450-0100; machine placed 55.53 34.82 45 Place riprap CY 112,800 Perimeter Fencing at consolidation cel 2,200.00 HCCD 2820-130-200, 3 strand barb wire, 2" post, 6' height, 9 ga. Wire, galv. Steel 30.37 2,200 100.00 HCCD 2310-100-3310; finishing grading slopes, steep slopes Final grading of north tailings pile excavation 100.00 HCCD 02310-100-3300; finishing grading slopes, gentle slopes 2,039.40 Judgement, includes excavated areas and surface of consolidation cell 48 Final grading of Storage Tank Area 669 1 0.21 Revegetation 1,803.53 2,239 Permanent surface water control grading 2,700.00 Means crew B-10T 2 DAY 1,339.86 4,910.00 HCCD 02315-310-9010, 3000 gal. Water truck, 6 mile hau Providing Dust Control 57,570.00 ERCD 17 03 9904 mulch hay, 50 lb; modified per SY (1 bale/SY) 20,000.00 Judgement and experience with similar projects 1,600.00 HCCD 02370-450-0400, stone truck washes Erosion control 5,546 SY LS 10.38 Stormwater Pollution Prevention Control 20,000.00 SY 54.55 53 Providing Decon Area 30 Temporary road construction for bridge access Placement and compaction of gravel road bed 9,000.00 HCCD Crews B10L 2,600.00 HCCD 2720-200-0301; crushed 1.5" stone base compacted 4" deep 5 300 1.00 54 55 1,801.04 1,200.00 LS 56 Installation and removal of 40' temporary bridge 1,200.00 Contractor Quote 57 Rent 40' bridge 4.00 1.784.54 7,100.00 Contractor Quote 103,980 SUBTOTAL FOR CONSTRUCTION 517,519 10 % 517,519.00 51.800.00 SUBTOTAL FOR CONSTRUCTION WITHOUT CONTINGENCY 569.319 569,319.00 85,400.00 Contingency IBTOTAL FOR CONSTRUCTION WITH CONTINGENCY Engineering design & operation report 80,000.00 Judgment 62 Construction oversight LS 38,400.00 38,400.00 Judgment, 2 people @ \$80/day, 10 hour/day, 6 day/week, 1 month 63 Administration LS 8,000.00 8,000.00 Judgment Monitoring program plan LS 2 person @\$80/day, 12 hour/day, 4 days a year for 30 years (inspection of cap, sampling of 65 Site Inspection and monitoring and record keeping 30 YR 15.700.00 194,800.00 water and sediment, minor repairs). ODC's \$200 per visit, 1 hour PE review, and annual reporting of results Leachate Collection and Disposal 88,400.00 2 people @\$80/day, 8 hour/day, 4 days a year for 30 years. Pump and dispose of leachate. 66 30 YR 7,120.00 3,000.00 Judgment 3,000.00 Judgment 3,000.00 3,000.00 1 LS 1 LS General public notification Closure plan preparation 69 1 LS 1 LS 8,000.00 8,000.00 Judgment Post-closure plan preparation 4,000.00 4,000.00 Judgment 18,000 SUBTOTAL FOR DESIGN AND OPERATION 350.200.00 10 350,200.00 71 Additional line items allowance SUBTOTAL FOR DESIGN WITHOUT CONTINGENCY 385,200.00 Contingency 385,200.00 57,800.00 TOTAL FOR DESIGN + CONSTRUCTION (ROUNDED) 1,097,700

ASSUMPTIONS & LIMITATIONS

- 1 Pricing is for 2008 present value with 7 percent discount rate
- 2 Annual costs are set at 30 years for long-term monitoring activities at the Site 3 Mark-up factor of 1.68 applied to all RSMeans costs

*UNITS:

AC = acre CY = cubic yard EA = each LF = linear foot

LS = lump sum SY = square yard YR = year

HCCD = RSMeans Heavy Construction Cost Data 2006, adjusted for inflation BCCD = RSMeans Building Construction Cost Data 2005, adjusted for inflation ERCD = RSMeans Environmental Remediation Cost Data 2005, adjusted for inflation Judgement = Professional judgement or estimation by E & E.

Helen Mercury Mines EE/CA **OPINION OF PROBABLE COST** Alternative 5: Offsite Removal Est. Qty. Unit* Line Item Unit Price Extended Price Description No. ONSTRUCTION COST ESTIMATE Mobilization, Bonding, Insurance 234,600.00 Typical percentage of overall construction Construction BMPs (E&S Controls) 93,800.00 Typical percentage of overall construction Major Road Improvements 20.00 DAY 3,025.75 60,500.00 HCCD Crews B10L Clear & Grub staging areas 2.00 AC 1,353.85 $2,\!700.00\,\,HCCD\,\,02230\text{-}100\text{-}0300,\,areas\,\,surrounding\,\,containment\,\,locations$ Surveying 15 DAY 1,000.00 15,000.00 Judgement from PLS Cleanup & Demobilization 1 LS 8,000.00 8,000.00 Judgement 414,600 Excavation of waste material 22,855 CY 5.15 117,700.00 Judgement+loading, BCCD 02315-462-9024 Disposal Characterization Sampling 250.00 57,137.50 Estimate from TestAmerica for rush TCLP Metals sample 229 Waste transport to landfill (out-of-state) 21,941 Ton 150.00 3,291,120.00 Estimate from landfill Non-hazardous Waste disposal (out-of-state) 21,941 11.00 241,348.80 Estimate from landfill Ton Waste transport to landfill (in-state) 4,571 Ton 85.00 388,535.00 Estimate from CA landfill Hazardous Waste disposal (in-state) 4,571 25.00 114,275.00 Estimate from CA landfill Ton 1,767 Loads 13 Waste Manifesting Fees 1.00 1,767.45 Judgement and experience with similar projects Re-grading and countouring of excavation areas 22,855 86,000.00 HCCD 02315-520-0170, spread fill from stockpile, 2.5 CY FE loader, 300' haul 22,855 4.54 103,900.00 BCCD 31 23 23.13-1600 (2008 adjusted); 6-12" lifts, Sheepsfoot 15 Compaction of fill Final grading of excavated areas 1,000 SY 0.98 1,000.00 BCCD 31 22 16-0100 (2008 adjusted) 17 Revegetation 1,100.00 200.00 Per value suggested by similar BLM project Temporary fencing 2,000 LF 15,600.00 HCCD 01560-250-0200 206,700 19 Providing Dust Control 10,050.00 HCCD 02315-310-9010, 3000 gal. Water truck, 6 mile haul 5,714 CY Confirmation Soil Sampling 100.00 7,500.00 Judgement and experience with similar projects EΑ 75,360.00 ERCD 17 03 9904 mulch hay, 50 lb; modified per SY (1 bale/SY) Erosion control 7,260 SY 10.38 Stormwater Pollution Prevention Control LS 27,000.00 27,000.00 Judgement and experience with similar projects 3,025.75 15,130.00 HCCD Crews B10L Temporary road construction for bridge access DAY Placement and compaction of gravel road bed 2,890.00 HCCD 02720-200-0301; crushed 1.5" stone base compacted 4" deep 300 SY 9.64 Delivery/removal of 40' temporary bridge 1,200.00 1,200.00 Estimate from bridge contractor LS Installation and removal of bridge 2,861.24 2,900.00 HCCD Crews B10Q; 5 C.Y. F.E. W.M. loader DAY Temporary bridge across Dry Creek 24 WEEK 1,784.54 42,800.00 Estimate from bridge contractor 1,600.00 HCCD 02370-450-0400, stone truck washes 28 Providing Decon Area 30 SY 54.55 186,430 SUBTOTAL FOR CONSTRUCTION 5,019,612 29 Additional line items allowance 10 5,019,611.75 502,000.00 SUBTOTAL FOR CONSTRUCTION WITHOUT CONTINGENCY 5,521,612 Contingency 5,521,611.75 828,200.00 UBTOTAL FOR CONSTRUCTION WITH CONTINGENCY 6,349,812 Certificate of Designation Application Fees 5,000.00 Judgment LS 60,000.00 60,000.00 Judgment 32 Engineering design & operation report LS 321,280.00 Judgment Construction oversight 40,160.00 LS 20,000.00 Judgment 34 Administration 20,000.00 406,280 PERATIONAL REQUIREMENTS 10,000.00 Judgment 35 Monitoring program plan LS 10,000.00 YR 2,000.00 2,000.00 Judgment 36 Monitoring 5,000.00 Judgment 5,000.00 YR 37 Recordkeeping 17,000 FACILITY CLOSURE - ENGINEERING/DESIGN 3,000.00 3,000.00 3,000.00 Judgment 38 State & Local notifications LS 3,000.00 Judgment 39 General public notification LS 40 Trespass prevention measures LS 3,500.00 3,500.00 Judgment 41 Permanent surface water control plan LS 10,000.00 10,000.00 Judgment Closure plan preparation, incl. final cover system LS 30,000.00 30,000.00 Judgment 43 Post-closure plan preparation LS 10,000.00 10,000.00 Judgment 59,500 SUBTOTAL FOR DESIGN AND OPERATION 482,780,00 44 Additional line items allowance 10 482,780.00 48.300.00 SUBTOTAL FOR DESIGN WITHOUT CONTINGENCY 531.080.00 15 531,080.00 45 Contingency 79,700.00 **DESIGN WITH CONTINGENC**

6,960,600

ASSUMPTIONS & LIMITATIONS:

TOTAL FOR DESIGN + CONSTRUCTION (ROUNDED)

1 Pricing is for 2010 present value with 7 percent discount rate.

2 Annual costs are set at 30 years for long-term monitoring activities at the Site.

*UNITS:

AC = acre CY = cubic yard

EA = each LF = linear foot

LS = lump sum

SY = square yard YR = vear

HCCD = RSMeans Heavy Construction Cost Data 2006, adjusted for inflation

BCCD = RSMeans Building Construction Cost Data 2005, adjusted for inflation

ERCD = RSMeans Environmental Remediation Cost Data 2005, adjusted for inflation

Judgement = Professional judgement or estimation by E & E.