Section 4.2.4 - Reclamation Costs - (Worst Case)

In accordance with Section 69-05.2-12-07 of the North Dakota Administrative Code, estimated costs for the following three items have been determined:

- 1. Backfilling and Grading
- 2. Replacing Suitable Plant Growth Material
- 3. Revegetation

The reclamation costs for NAFK-8405, -8705, and -9503 have been calculated by utilizing the methods and procedures as outlined by the Public Service Commission's "Guideline for estimating reclamation costs for establishing performance bond amounts for permit areas" dated December 31, 1985 and as revised on October 28, 1998. The following is a summary of the reclamation costs calculations.

Worst Case Reclamation Liability

The worst case reclamation liability was determined by utilizing the pits which need the greatest volume of material to backfill, in conjunction with the area over which the removal of suitable plant growth material is the largest. This would take place 4th Quarter, 2006.

By utilizing the Reclamation Schedule - Section 4.2.2, it was determined that the worst case situation will require the inclusion of SPGM respread and revegetation costs under the mining disturbance category over the area indicated. Also included as part of the worst case situation are the associated active support structures. The Worst Case Bond Plan Map, Section 4.2.4b, of this permit revision depicts the disturbance areas associated with the worst case reclamation liability situation.

Certain general assumptions are made when determining the reclamation costs for each of the three operations. They are as follows:

1. Reclamation work will be completed by utilizing a 992G Loader, 777D trucks, 657E push-pull tractor-scrapers, D11N and D9R bulldozers, 16H motor graders, and a water wagon. The projected operating cost per hour for each piece of equipment was based on July, 2005 values.

2. Table of Equipment Costs:

	<u>Equipment</u>	Cost <u>Per Hour</u>
a)	657E push-pull tractor-scraper	\$ 224.98
b)	D11N bulldozer	\$ 234.93
c)	D9R bulldozer	\$ 145.75
d)	16H motor grader	\$ 107.35
e)	Water wagon	\$ 107.35
f)	992G loader	\$ 222.35
g)	777D trucks	\$ 178.51

The scraper-truck breakeven haul distance was calculated at 5,200 feet. The truck-FEL fleet was utilized where haul distances exceed 5,200 feet.

3. Support Equipment Usage:

Equipment	<u>Process</u>	Cost Factor
a) 16G motor grader	Final grading SPGM respread Loader/Truck fleet	1 hr./6 scraper hrs.1 hr./6 scraper hrs.1 hr./loader hr.
b) Water wagon	SPGM respread	1 hr./12 scraper/loader hrs.
c) D9R Dozer	SPGM Respread	1 hr/loader hr.

4. Backfilling and Grading (General):

Backfilling and grading volumetrics were calculated using the typical cross-sectional area multiplied by the pit length.

a) Average pit width is:	180' (9503), 245'	(8705), 200'	(8405)
--------------------------	-------------------	--------------	--------

b) Average angle of repose is: 35°
c) Average highwall angle is: 55°

d) The overburden will swell 5-10 percent after being removed from above the coal.

5. Normal Spoils:

Additional assumptions:

- a) The normal spoil regrade costs were based on grading the area occupied by four spoil peaks from the open pit.
- b) The spoil peaks will be regraded utilizing D-11N bulldozers and 657E push-pull scrapers.
- c) The average push distances for the D-11N bulldozers and haul distance for the 657E scrapers were based on cross-sections (refer to Section 4.2.4a).

6. Open Pit and Spoil Placement Areas:

a) The balance of cut and fill material for the backfilling of the open pit is depicted in Section 4.2.4a.

- b) The material located in the deferred reclamation area will be utilized to backfill a portion of the open pit.
- c) The average push or haul distance will be determined by utilizing the centroids of the cut areas and fill location of the open pit.
- 7. Pit Slope Ramps (down to pit bottom):

The average slope of the pit ramp to access the active pit will be 6%. Bulldozers will be utilized to regrade the pit ramps.

<u>Assumptions for Associated Disturbance</u>

Associated disturbance includes all vegetation disturbance caused by the construction of facilities in support of the mining operation. Support facilities include haulroads, ponds, stockpiles, scraper trails, buildings, diversions, and any other facility not occurring within the mining disturbance area which has been constructed for the specific purpose of supporting mining operations. There are approximately 2,000 acres of associated disturbance within the permits. The following assumptions were used in calculating the volumes for reclaiming the associated disturbance areas under the worst case conditions.

- 1. Stockpiles were removed, as a part of SPGM respreading.
- 2. Topsoil thickness was estimated at 12 inches.
- 3. Subsoil thickness ranged from 12-36 inches, depending on the spoil characteristics of the area.
- Pond costs were based on regrading fill material with D-11N class dozer or 657E scrapers. The amount of fill material required was based on the pond's detail design drawings.
- 5. Diversion costs were calculated on the length of the diversion times the average cross-sectional area. Diversions are designed with 3:1 side slopes, a 16 ft. bottom, and 3 ft. deep. Area = 75 ft.²
- 6. For the purpose of worst case bonding, the haulage roads and dragline deadhead route were divided into three groups: roads built of subsoil, roads built of ashcrete, and roads built of spoil. The dragline deadhead route and other access roads were assumed to have been built of subsoil. The Worst Case Bonding Plan Map, Section 4.2.4b, shows the location of the different types of roads. Assumptions for calculation of reclamation costs for haulage roads and the deadhead route are as follows:

Haulage Road Width 200 feet (for SPGM respread)
Gravel Surface Width 70 feet (for gravel removal)

Deadhead Route Width 200 feet

Gravel Removal 1.30 yd. ³/ft. of haul road

Haul Road Length
Average Road Base Width
Average Depth
Push Distance

145,000 feet
100 feet
100 feet

7. The assumptions for the calculation of the reclamation costs of the cable belt route are as follows:

Cable Belt Route Width 30 feet

Gravel Removal 1.11 yd.³/ft. of route

The cut/fill yd.³/ft. of conveyor route is based on approximately 88,000 yd.³ of cut/fill over the 16,000 feet of conveyor not on an elevated surface. Gravel can be hauled to the pit, the remote truck dump, or a pond for disposal.

- 8. Respread of topsoil/subsoil was estimated using a 657E class scraper, a 992G loader and 777D trucks.
- 9. Support equipment costs were estimated using a 16H class motor grader, a 10,000 gallon water truck, and a D9 bulldozer.
- 10. The average haulage distance for SPGM will be determined by utilizing a haulage road or existing route between the centroids of the respread area and stockpile whenever possible.
- 11. Reclamation of county and township roads are accounted for as follows:
 - Gravel is assumed to be \$16,000/mile.
 - Culverts are assumed to be \$5,000/mile.
 - Respreading topsoil in road ditches not located in worst case reclamation area 6" with 20' wide ditches assume 5,000' haul.
 - Grading cost for public roadway construction assume 40'wide by 3.5' deep and a 1000' haul.
- 12. Structures located within the permit that will need to be disassembled and removed:
 - a) Drive House, NW¹/₄, Section 8: 50' x 50' building constructed of 56 tons of steel. Run of Belt: Belt and concrete to be hauled to pit and dumped. Line stands weighing approximately 550 pounds and wire rope to be sold for salvage.

15,200'/16 ft. between linestands = 1,000 linestands x 550#/linestand = 275 tons

Wire rope -15,200 (4 runs)(7 # / ft.) = 213 tons

Bridge Structure, W ½, Section 34 (8405): 800' of bridging steel crossing U.S. Highway 83 and the DMVW Railroad and will require approximately 135 tons of steel to be dismantled and removed.

Truck Dump, NE ¼, Section 27 (8405): The truck dump will contain approximately 150 tons of steel and will require approximately 138,000 cubic yards of earthwork. The dirt will be used to grade the truck dump area to meet the approved post-mining topography.

Total Disassembly =
$$56 \text{ tons} + 275 \text{ tons} + 213 \text{ tons} + 135 \text{ tons} + 150 \text{ tons}$$

= 829 tons

Assume 35% of erection costs: $$700 \times .35 = $250/ton - $40/ton (salvage) = $210/ton$

829 tons x \$210/ton = \$174,100

b) Demolition of the heat enclosure building in Section 25 (9503): Use 10% of installation cost or \$26,000.

EARTHWORK CALCULATIONS

D11 DOZER				
PIT RAMP CALCULATIONS:				
	a	25.1		
	Spoil Angle	35 deg	rees	
	Ramp Width	70 ft.		
	Ramp Slope	6.0%		
		Depth of OB	Area at	
Riverdale - (9503)		To Top Seam	Pit Bottom	Volume (cy)
Ramp R1		40	5,085	62,778
Ramp R2		70	11,898	257,054
Ramp R3		30	3,385	31,346
Total				351,178
Center (N/S) - (8705)				
Ramp 1		55	8,170	138,691
Ramp 2		55 55	8,170	138,691
Total		33	0,170	277,382
Total				277,302
Center (E/W) - (8705)				
Ramp 1		50	7,070	109,111
Ramp 2		70	11,898	257,054
Ramp 3		50	7,070	109,111
Total				475,275
West - (8705)				
Ramp 4		100	21,281	656,836
Total				656,836
Permit K - (8705)				
Total				0
East - (8405)				
Ramp 1		45	6,042	83,917
Ramp 2		50	7,070	109,111
Ramp 3		65	10,584	212,332
Ramp 4		85	16,268	426,794
Total			10,200	832,153
Overall Total		R	evision 13	2,592,823
		- Ri	mulatanaga Da	

Completeness Review Response December, 2005

ASSOCIATED DISTURBANCE

Miscellaneous Projects: D11 Dozer	C.Y.	Push (ft.)	Hours	Length
Ramps	2,592,823	300	3,705	. 8
D/L Deadhead Route (ss)	40,000	100	21	
D/L Deadhead Route/HR Sec B (ss)	13,250	100	7	
Scraper Access Road (ss)	11,305	100	6	
Access Road (ss)	39,897	100	21	
Cable Belt (ss)	73,000	100	39	
Haulroad Subsoil	357,000	100	190	39084
Gravel Pits (8705)	193,000	400	359	2,00.
Ash Disposal Area (8705)	475,000	200	468	
Dragline Rebuild Site (8705)	150,000	300	214	
TOTALS	3,945,275		5,031	
AVERAGE		266		
Ponds:				
D11 Dozer	C.Y.	Push (ft.)	Hours	
P-E21-01	7,500	200	7	
P-E23-04	10,000	200	10	
P-E23-05	5,000	400	9	
P-E23-06	10,000	200	10	
P-E24-01	62,700	200	62	
P-E24-02	5,000	150	4	
P-E26-01	16,800	300	24	
P-E26-02	7,500	200	7	
P-E34-01	10,300	250	12	
P-E34-02	10,000	250	12	
P-E34-03	9,800	250	12	
P-E34-04	11,200	150	9	
P-E34-05	10,200	250	12	
P-E34-07	12,800	200	13	
P-E34-08	1,500	75	13	
P-E35-01	10,600	250	13	
P-E35-02	11,500	100	6	
P-R13-02	16,000	300	23	
P-R14-01	9,000	300	13	
P-R14-01 P-R19-02		300	154	
	108,100			
P-R25-03	20,700	300	30	
P-R25-04	32,300	300	46	
P-R30-01	62,600	300	89	
P-R30-03	31,500	300	45	
P-W04-01	10,000	300	14	
P-W04-02	2,500	150	2	
P-W04-03	10,000	150	8	
P-W05-01	11,100	200	11	
P-W05-02	4,200	150	3	
P-W05-03	4,200	200	4	
P-W05-04	3,200	200	3	
P-W05-05	14,500	250	18	
P-W06-02	30,000	300	43	
P-W06-03	4,900	200	5	
P-W06-04	20,000	100	11	
P-W06-05	6,000	250	7	
P-W06-06	15,000	300	21	
P-W06-07	19,300	350	32	
P-W08-02	9,000	200	9	
P-W08-03	9,000	200	9	
P-W22-01	13,000	300	19	
P-W26-01	17,505	100	9	

Revision 13 Completeness Review Response December, 2005

D11 Dozer	C.Y.	Push (ft.)	Hours
P-W26-02	57,700	300	82
P-W26-03	23,000	300	33
P-W28-01	2,100	250	3
P-W28-02	3,700	250	4
P-W27-01	3,400	100	2
P-W29-04	11,200	200	11
P-W30-03	10,000	250	12
P-W31-01	11,000	450	23
P-W31-02	5,700	300	8
P-W31-03	26,400	250	32
P-W32-01		200	32
	3,000		
P-W32-02	6,000	400	11
P-W33-01	9,700	350	16
P-W33-02	5,600	350	9
P-W35-01	9,000	400	17
P-W35-03	2,700	600	7
P-W35-04	19,000	300	27
P-W35-05	12,100	250	15
P-W35-06	1,500	100	1
P-W36-02	12,400	300	18
P-W36-03	7,000	350	12

TOTALS	938,205	1196
AVERAGE	265	

Diversions:			
D11 Dozer	C.Y.	Push (ft.)	Hours
D-E23-01	7,500	75	3.1
D-E23-02	770	75	0.3
D-E23-03	660	75	0.3
D-E23-04	880	75	0.4
D-E26-01	1,500	75	0.6
D-E26-02	2,500	75	1.0
D-E34-02	1,330	75	0.6
D-E34-03	4,270	75	1.8
D-E34-04	2,050	75	0.9
D-E34-05	2,270	75	0.9
D-E34-06	2,470	75	1.0
D-E34-07	7,050	75	2.9
D-E34-08	4,560	75	1.9
D-E35-01	4,000	75	1.7
D-E35-02	2,140	75	0.9
D-W35-01	3,750	75	1.6
D-W26-02	2,361	75	1.0
D-W22-03	3,889	75	1.6
D-W22-01	7,778	75	3.2
D-W36-03	1,667	75	0.7
D-W31-02	8,750	75	3.7
D-W31-03	8,444	75	3.5
TOTALS	80,589		33.7
AVERAGE		75	

9 D 263 1 6,261
)

EARTHWORK CALCULATIONS

657E SCRAPER

Ponds\ Diversions:	C.Y.	Haul (ft.)	Hours	Length
P-E26-01	7,470	600	12	
P-E26-03	22,500	4,000	82	
P-E34-03		700	0	
P-E34-08		700	0	
P-E34-06	34,100	1,900	99	
P-E34-07	5,500	600	9	
P-R13-01	42,000	1,500	106	
P-R13-02	50,000	800	124	
D-R13-01	12,527	1,200	28	3,020
D-R13-02	3,879	1,201	9	935
P-R14-01	35,700	1,000	73	
D-R14-01	5,807	1,000	12	1,400
P-R14-02	14,700	1,000	30	
D-R18-01	3,837	1,200	9	925
P-R36-01	100,000	1,900	292	
P-W04-10	6,200	500	10	
P-W05-05	14,500	2,600	40	
P-W06-01	14,800	800	28	
P-W06-02	30,000	1,500	76	
P-W06-06	31,900	1,000	66	
P-W06-07	19,300	1,000	40	
P-W26-02	57,700	500	91	
P-W26-03	3,900	3,000	12	
P-W28-01	284,000	1,000	583	
P-W27-01	1,000	1,000	2	
P-W29-02	26,500	600	44	
P-W30-01	145,200	500	229	
P-W31-01	8,300	800	15	
P-W35-01	19,400	800	36	
P-W35-02	10,000	1,200	22	
P-W36-01/01A	66,100	2,000	199	
Legal Drain Diversion	216,000	3,000	651	
TOTALS	1,292,820	1,480	3,030	

Miscellaneous Projects:	C.Y.	Haul (ft.)	Hours	Length	Loader Production	Loader Hours	Truck Prod/trk	Truck Hours	Number of Trucks
Haulroad Gravel	180,000	4,500	708	Lengur	Troduction	Hours	1 Tou, trk	Hours	
Haulroad Grading (8405)	434,100	1,800	1,225						
Haulroad Grading (8705)	500,000	3,000	1,507		966.5	517	399.8	1,250.6	2.42
Haulroad Grading (9503)	400,000	2,500	1,083		, , , , ,			-,	
Cable Belt Cut/Fill	87,000	2,600	241						
Cable Belt Gravel Disposal	20,000	6,500			966.5	21	272.2	73.5	3.55
DL Deadhead Route Grading (ss)	260,000	1,000	534						
Dragline Rebuild Site Gravel	7,500	1,600	20						
Dragline Rebulid Site Grading	20,000	500	32						
Dragline Rebuild Site Concrete	850	1,600	2						
TOTAL	1,909,450	2,478	5,350	0		538		1,324	
Public Road Reconstruction (Grading)									
NAFK-9503									
Construct E-W between S24 & S25 - 1.5 mile	41,067	1,000	84.4						
Remove E-W between S25 & S36 - 1 mile	27,378	1,000	56.2						
Remove E-W between S26 & S35 - 1 mile	27,378	1,000	56.2						
Construct N-S between S25 & 30 - 1 mile	27,378	1,000	56.2						
Construct N-S between S24 & 19 - 1 mile	27,378	1,000	56.2						
Gravel	13,689	1,000	28.1	18480					
NAFK-8705									
N-S between S23/26 & S22/23 - 1 1/2 miles	41,067	1,000	84.4						
W-E between S23 & 26 - 1 1/4 mile	34,222	1,000	70.3						
W-E between S19/20 & S30/29 - 1 1/4 miles	34,222	1,000	70.3						
N-S between S19/30 & S20/29 - 1 1/2 miles	41,067	1,000	84.4						
W-E between S32/33 & S5/4 - 1 1/4 mile	34,222	1,000	70.3						
N-S between S32/5 & S33/4 - 1 1/4 miles	34,222	1,000	70.3						
NAFK-8405									
Construct E-W between S24 & S25 - 1.5 miles	41,000	1,000	84.2						
Remove E-W between S25 & S36 - 1 miles	27,000	1,000	55.5						
Remove E-W between S26 & S35 - 1 miles	27,000	1,000	55.5						
Construct N-S between S25 & S30 - 1 miles	27,000	1,000	55.5						
Construct N-S between S24 & S19 - 1 miles	14,000	1,000	28.8						
TOTALS	150,578	1,091	1,067						
GRAND TOTAL SCRAPER	3,352,848	2,031	9,447						
ORTHO TOTAL SCRAFER	3,332,040	2,031	7,777						

MINING DISTURBANCE

Backfill Open Pit:

NAFK - 9503				
Riv Pit - 14,000 ft.		C.Y.	Haul/Push (ft.)	Hours
Spoil Side	Grading - D11N Dozer	4,382,400	400	8,152
Highwall Side	D11N Dozer	2,572,600	250	3,110
TOTAL		6,955,000		

NAFK - 8705			
West Mine Area - 0 ft.	C.Y.	Haul/Push (ft.)	Hours
Spoil Side - (Includes Work done in 2003)			
Grading - D11N Dozer	0	250	0
657E Scraper	0	700	0
Highwall Side			
D11N Dozer	0	200	0
Spoil Pile Sections 27/26			
657E Scraper	0	1,200	0
TOTAL	0		
Center Mine Area (N/S) - 4,000'	C.Y.	Haul/Push (ft.)	Hours
Spoil Side	C.1.	Tiddi/T doi! (It.)	Tiours
Grading - D11N Dozer	371,911	100	198
D11N Dozer	1,123,200	250	1,358
657E Scraper	1,183,111	700	2,091
Highwall Side			
D11N Dozer	1,168,000	300	1,669
Endwall 55' x 200' x 200'			
657E Scraper	72,444	1,500	184
TOTAL	3,918,667		
Center Mine Area (E/W) - 7,800'	C.Y.	Haul/Push (ft.)	Hours
Spoil Side	C.1.	Tiddi/T doi! (It.)	Tiours
Grading - D11N Dozer	4,137,400	150	3,144
D11N Dozer	1,416,000	200	1,396
Highwall Side			
D11N Dozer	1,825,000	250	2,206
TOTAL	7,378,400		

Contingency Mine A	Area - 1,300'	C.Y.	Haul/Push (ft.)	Hours
Spoil Side				
	Grading - D11N Dozer	244,000	100	130
	D11N Dozer	179,000	200	176
Highwall Side	DIIND	164,000	250	100
	D11N Dozer	164,000	250	198
TOTAL		587,000		

NAFK - 8405				
East Mine Area Pit - 1	11,200 '	C.Y.	Haul/Push (ft.)	Hours
Spoil Side				
	Grading - D11N Dozer	2,560,908	250	3,096
	657E Scraper	6,481,668	680	11,332
Highwall Side				
	D11N Dozer	139,525	75	58
TOTAL		9,182,101		

Summary		657E SCRAPER	D11N DOZER
Spoil Peak Grading			14,719
Pit Grading Spoil		13,607	2,930
Pit Grading Highwall			7,243
	Total	13,607	24,892

BONDING CALCULATIONS -- Consolidated Bond (8405, 8705, & 9503) December 15, 2005

Consolidated Bond (8405, 8705, & 9503)

SPGM RESPREAD HOURS SUMMARY

Mining Disturbance Area

	Machine type:	657E				Equation:	1 (1=PS	C,0=Falkirk)						
	Tonsoil area	Subsoil area	Soil Depth	Volume	Stockpile	Haul	Production	Efficiency	Scraper	Loader	Loader	Truck	Truck	Number
Land owner, legal description	(acres)	(acres)	(in.)	(cu yds)	Location	Dist.	(cu yds/hr)	Factor	Hours	Production	Hours	Prod/trk	Hours	of Trucks
NAFK - 9503 (T145N R83W)	` '													
Section 14	270.2		12	435,922.7	TS-359/293/361	11,500				966.5	451	188.4	2,313.8	5.13
		160	12	258,133.3	SS-174/170	10,500				966.5	267	201.0	1,284.2	4.81
		30	24	96,800.0	SS-202	10,800				966.5	100	197.2	490.9	4.90
		80.2	36	388,168.0	SS-178/182	11,000				966.5	402	194.4	1,996.7	4.97
Section 15	118		12	190,373.3	TS-297	13,000				966.5	197	173.1	1,099.8	5.58
		57.7	12	93,089.3	SS-170	11,000				966.5	96	194.4	478.9	4.97
		19.9	24	64,210.7	SS-170	11,000				966.5	66	194.4	330.3	4.97
		40.4	36	195,536.0	SS-158	12,000				966.5	202	182.9	1,069.1	5.28
Section 22	152.3		12	245,710.7	TS-297	11,500				966.5	254	188.4	1,304.2	5.13
		152.3	36	737,132.0 0.0	SS-170	12,000				966.5	763	182.9	4,030.2	5.28
Section 23	246.8		12	398,170.7	TS-375/377	10,200				966.5	412	204.8	1,944.2	4.72
Section 23	240.0	246.8	36	1,194,512.0	SS-154/180/186/182/	12,000				966.5	1,236	182.9	6,531.0	5.28
			30	1,194,312.0	178/158	12,000				900.5	1,230	102.9	0,331.0	3.26
Section 26	223.6		12	360,741.3	TS-317/319/309/313	10,000				966.5	373	207.6	1,737.7	4.66
		95.3	12	153,750.7	SS-160	10,000				966.5	159	207.6	740.6	4.66
		69.6	24	224,576.0	SS-160	10,000				966.5	232	207.6	1,081.8	4.66
		58.7	36	284,108.0	SS-156/172	10,000				966.5	294	207.6	1,368.5	4.66
Section 27	156		12	251,680.0	TS-317/319	11,000				966.5	260	194.4	1,294.7	4.97
		83.4	12	134,552.0	SP Sect 26	4,500	303	0.84	529					
		43.4	24	140,037.3	SP Sect 26	4,500	303	0.84	551					
		29.3	36	141,812.0	SP Sect 26	4,500	303	0.84	558					
NAFK - 8405 (T146N R82W)														
Section 21	9.8		12	15,810.7	TS-231	11,400				966.5	16	189.5	83.4	5.10
		9.8	24	31,621.3	SS-132	15,300				920.4	34	153.4	206.1	6.00
Section 22	223.5		12	360,580.0	TS-187/187A/199	13,000				966.5	373	173.1	2,083.1	5.58
		186.5	24	601,773.3	SS-114A/132	11,000				966.5	623	194.4	3,095.5	4.97
		37	12	59,693.3	SS-114A/132	11,000				966.5	62	194.4	307.1	4.97
Section 23	280.1		12	451,894.7	TS-199/231/255	10,500				966.5	468	201.0	2,248.2	4.81
		199.3	12	321,537.3	SS-132/144	10,500				966.5	333	201.0	1,599.7	4.81
		80.8	24	260,714.7	SS-132/144	10,500				966.5	270	201.0	1,297.1	4.81
Section 24	52.7		12	85,022.7	TS-255	1,800	422	0.84	240					
		52.7	12	85,022.7	SS 144	600	712	0.84	142					
1	TOTALS 1733	Acres		8,262,687 C.	Y.			TS AND SS HOURS =	2,020		7,944		40,017	

Revision 13 Completeness Review Response December, 2005

BONDING CALCULATIONS -- Consolidated Bond (8405, 8705, & 9503) December 15, 2005

Consolidated Bond (8405, 8705, & 9503)

SPGM RESPREAD HOURS SUMMARY

Mining Disturbance Area

	Machine type:	657E				Equation:	1 (1=PSC	,0=Falkirk)						
	Topsoil area S	Subsoil area	Soil Depth	Volume	Stockpile	Haul	Production	Efficiency	Scraper	Loader	Loader	Truck	Truck	Number
Land owner, legal description	(acres)	(acres)	(in.)	(cu yds)	Location	Dist.	(cu yds/hr)	Factor	Hours	Production	Hours	Prod/trk	Hours	of Trucks
NAFK - 8705				•			•							
Section 4	26.5		12	42,753.3	TS-19	8,000				966.5	44	239.9	178.2	4.03
		26.5	12	42,753.3	SS-18	10,000				966.5	44	207.6	205.9	4.66
Section 25	66.4		12	107,125.3	TS-171/261	8,000				966.5	111	239.9	446.5	4.03
		15.8	12	25,490.7	SS-20/84/96/102	12,000				966.5	26	182.9	139.4	5.28
Section 26	270.3		12	436,084.0	TS-173/171/209/211/227	8,000				966.5	451	239.9	1,817.8	4.03
		260.8	12	420,757.3	SS-102/104	10,000				966.5	435	207.6	2,026.8	4.66
Section 27	42.3		12	68,244.0	TS-227	1,000	579	0.84	140					
		0.2	12	322.7	SS-104	14,000				966.5	0	163.8	2.0	5.90
Section 29	282.5		12	455,766.7	TS-121/259	4,000	328	0.84	1,653					
		181.5	12	292,820.0	SS-150	6,300				966.5	303	277.1	1,056.7	3.49
		101	24	325,893.3	SS-150	6,300				966.5	337	277.1	1,176.1	3.49
Section 32	150.8		12	243,290.7	TS-259	6,000				966.5	252	284.8	854.3	3.39
		123.1	12	198,601.3	SS-12/18	9,000				966.5	205	222.4	893.0	4.35
		27.7	24	89,378.7	SS-12/18	10,000				966.5	92	207.6	430.5	4.66
Section 33	378.2		12	610,162.7	TS-223/259/419/	10,000				966.5	631	207.6	2,939.1	4.66
		249.3	12	402,204.0	SS-140	6,300				966.5	416	277.1	1,451.5	3.49
		128.9	24	415,917.3	SS-140	6,300				966.5	430	277.1	1,501.0	3.49
Section 34	39.9		12	64,372.0	TS-223/259/419/	10,000				966.5	67	207.6	310.1	4.66
		39.9	12	64,372.0	SS-140	6,300				966.5	67	277.1	232.3	3.49

TOTALS	1,256.9 Acres	4,306,309 C.Y.	TS AND SS HOURS =	1,793	3,913	15,661
Overall Totals	2,989.9	12,568,996 C.Y.	Scraper TS and SS Hours =	3,813 Loader Hrs.=	11,857 Truck Hrs.=	55,678

SPGM RESPREAD HOURS SUM	IMARY															
Associated Disturbance Area																
	Machine type:	657E														
	Stockpiles, !		Ponds &	Diversions	Roads & Tra											
		Subsoil	Topsoil	Subsoil	Topsoil	Subsoil	Soil									
Land owner, legal description	Area	Area	Area (acres)	Area	Area	Area	depth (in.)	Volume (cu yds)	Stockpile Location	Haul Distance	Production (cu yds/hr)	Efficiency Factor	Scraper Loader Hours Production	Loader Hours	Truck Prod/trk	Truck Number Hours of Truck
NAFK-9503	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(III.)	(cu yus)	Location	Distance	(cu yus/iii)	Pactor	riouis riouucuon	riours	FIOU/IIK	Hours of Frack
Section 7 Substation	0.90						12	1,452	TS-SECT 7	2500	440	0.84	4			
Borrow Pit	3,60						24	1,452	TS-279/HR	600	712	0.63	26			
Haulroads	5.00				39.5		12	63,727	TS-SECT 7	2500	440	0.84	172			
Access Trails					8.6		12	13,875	TS-SECT 7	1000	579	0.84	29			
Section 10																
Ponds			8.7				12	14,036	TS-R-10-01	800	639	0.63	35			
								,								
Section 13																
Ponds Diversions			42.3 2.4				12 12	68,244 3,872	SPGM-R14-01/TS-385/299/399 TS-385/TS-299	1000 1600	579 453	0.84 0.84	140 10			
Borrow Pit	25.4		2.4				24	81,957	TS-417	800	639	0.63	204			
Subsoil Piles	21.60						12	34,848	TS-293/TS-299	1200	530	0.84	78			
Haulroads					26.0		12	41,947	TS-293	3500	359	0.84	139			
Overburden pile	4.10						24	13,229	TS-385	1000	579	0.84	27			
Section 14																
Ponds			10.8				12	17,424	TS-399	1000	579	0.84	36			
Subsoil Piles	2.60						12	4,195	TS-400	2000	395	0.84	13			
Diversions			4.0		21.6		12 12	6,453	TS-400	2000 5500	395	0.84	19			
Haulroads					31.6		12	50,981	TS-389	5500						
Section 18																
Diversions			0.5				12	807	TS-293	1000	579	0.84	2			
Borrow Pits Haulroads	35.50				42.8		12 12	57,273 69,051	TS-291/323/289 TS-293	1200 3000	530 395	0.84 0.84	129 208			
Hauffoaus					42.8		12	09,031	13-293	3000	393	0.04	208			
Section 19																
Ponds			35.5				12	57,273	TS-295	1200	530	0.84	129			
Ponds Subsoil Piles	14.70			35.5			12 12	57,273 23,716	SS-178 TS-295/361	1200 800	530 639	0.84 0.63	129 59			
Haulroads	14.70				2.9		12	4,679	TS-293	1000	579	0.84	10			
Section 23								11.455	TC 441/440	****	570	0.04	24			
Subsoil Piles Haulroads	7.10				38.1		12 12	11,455 61,468	TS-441/449 TS-449	1000 900	579 608	0.84 0.63	24 161			
Hadifoads					30.1		12	01,400	15-49	500	000	0.03	101			
Section 24																
Subsoil Piles	8.90				20.2		12	14,359	TS-297	600	712	0.63	32			
Haulroads Haulroads					38.3	30.0	12 12	61,791 48,400	TS-359/387/441/449 SS-182	1000 2200	579 372	0.84 0.84	127 155			
Access Trails					0.6		12	968	TS-361	500	755	0.63	2			
Section 25 Ponds			31.8				12	51,304	TS-375/377	2100	383	0.84	159			
Subsoil Piles	16.50		31.0				12	26,620	TS-303	2700	421	0.84	75			
Haulroads					17.5		12	28,233	TS-375/377	2500	440	0.84	76			
Haulroads						11.5	12	18,553	SS-180	1000	579	0.84	38			
Access Trails Overburden pile	4.10				2.9		12 48	4,679 26,459	TS-303 TS-301	2200 3000	372 395	0.84 0.84	15 80			
Overburden pite	4.10						70	20,437	13-301	3000	373	0.04	00			
Section 26																
Subsoil Piles	9.90				***		12	15,972	TS-303	2700	421	0.84	45			
Haulroads					13.8		12	22,264	TS-377/375	4000	328	0.84	81			
Section 30																
Subsoil Piles	33.7						12	54,369	TS-301/307/311	1000	579	0.84	112			
Access Trails					2.0		12	3,227	TS-303	2300	361	0.84	11			
Section 36																
Ponds			6.4				12	10,325	TS-391/377/375	1500	470	0.84	26			
n n:				6.4				21.5								
Borrow Pits Overburden pile	6.6 1.2						24 24	21,296 3,872	TS-392 TS-391	600 250	712 888	0.63 0.63	47 7			
Access Trails	1.2				3.1		12	5,001	TS-391 TS-393	1000	579	0.63	10			

SPGM RESPREAD HOURS SUMMARY Associated Disturbance Area Machine type: 657E Stockpiles, Misc. Ponds & Diversions Roads & Trails Subsoil Topsoil Topsoil Topsoil Area Stockpile Haul Production Efficiency Area Area depth Land owner, legal description (acres) (acres) (cu yds) Distance (cu yds/hr) Factor Hours Production Hours Prod/trk Hours of Trucks NAFK-8705 Section 3, T145 N, R82W 18.4 TS-47/51 12 29,685 700 674 0.63 Gravel Pit **Dragline DH Route** 2.5 12 4,033 TS-451 600 712 0.63 11.0 17,747 1600 800 453 0.84 Subsoil Piles 3.5 12 5,647 TS-47/51 639 0.63 14 Section 4, T145 N, R82W 12 Diversions 0.6 968 TS-419 1300 508 0.84 2500 800 500 2100 16.6 12 12 TS-9/197/263 72 32 Ponds 26.781 440 0.84 Dragline DH Route 7.9 12,745 639 0.63 TS-191 Subsoil Piles 5.9 12 9,519 TS-197 755 20 0.63 Haul Road 383 12 68,567 TS-45/419 0.84 213 Access Trails 12 2,904 TS-137 600 712 0.63 0 ection 5, T145 N, R82W Ponds Subsoil Piles 12.9 12 20.812 TS-5/49/63 500 500 755 0.63 14.5 12 23.393 TS-39 755 0.63 500 Haul Road 31.2 12 50.336 TS-5/39 755 0.63 106 12 1500 Haul Road 19.0 30.653 SS-12 470 0.84 78 Section 6, T145 N, R82W 25.6 TS-21/23/25/67/85 Ponds 12 41.301 639 0.63 103 700 3700 2500 Subsoil Piles 34.4 TS-21/25/35/37 12 55,499 131 674 0.63 42.7 12 68,889 TS-21/35/37/71 346 0.84 237 Haul Road 19.0 12 30,653 440 0.84 17,747 TS-25/85/105 800 500 639 0.63 Access Trails Access Trails 1.0 12 1.613 TS-8 755 0.63 Section 22, T146 N, R83W 12 10.164 TS-235 800 639 0.63 Ponds 25 1.7 Diversion 12 2,743 TS-235 608 0.63 12 1600 24.2 TS-211 453 103 **Dragline Storage** 39,043 0.84 Section 25, T146 N, R83W 2000 5200 Haul Road 16,940 TS-247 395 0.84 Haul Road 10.5 12 16,940 SS-84 273 0.84 Section 26, T146N, R83W 12.8 TS-177 1700 437 0.84 Ponds 12 20.651 Diversions 0.7 12 1,129 TS-177 1000 579 0.84 Subsoil Piles 5.3 900 2200 12 8,551 TS-177 608 0.63 Haul Road 41.2 12 66,469 TS-177 372 213 Haul Road 10.0 12 16,133 SS-112 2000 395 0.84 Section 27, T146N, R83W 49 12 TS-209 600 Ponds 7 905 712 0.63 18 0.2 12 323 TS-209 300 Diversions 858 0.63 Section 28, T146N, R82W 35.7 12 57,596 TS-427/429/431/435 800 639 0.63 143 Ponds Overburden 12.1 19,521 TS-435,437 300 500 858 0.63 Overburden 12.1 12 19,521 SS-196,198 755 0.63 41 2.0 300 Subsoil Piles 12 3,227 TS-437/435 858 0.63 Section 29, T146N, R82W 11.7 12 18,876 TS-109/121 1500 470 0.84 48 Ponds 5.3 Subsoil Piles 12 8,551 TS-121/151 700 674 0.63 20 ection 30, T146N, R82W 1.4 2,259 TS-151 712 0.63 Subsoil Piles 2.2 12 3,549 TS-151 1000 579 0.84 7.3 Section 31, T146N, R82W Ponds 19.1 12 30.815 S1/2 Section 6 6000 966.5 32 284.8 108.2 3.39 12 S1/2 Section 6 6000 Ponds 5.6 9.035 284.8 31.7 3.39 966.5 1.7 12 2,743 S1/2 Section 6 284.8 Diversions 966.5 9.6 3.39 Haul Roads 4.7 7,583 S1/2 Section 6 6000 284.8 26.6 ection 32, T146N, R82W

12

12 12

12

12

7.4

7.4

44.528

6.453

30 169

11.939

11,939

S1/2 Section 6

TS-123

S1/2 Section 6

TS-203

SS-134

395

755

755

0.84

0.63

Ponds

Diversions

Subsoil Piles

Haul Roads

Haul Roads

27.6

4.0

18.7

Completeness Review Response December, 2005

260.1

260.1

171.2

116.0

3.72

3.72

46

966.5

966.5

Révision 13

SPGM RESPREAD HOURS SUM	MADV																
Associated Disturbance Area	IMAKI																
Associated Disturbance Area																	
	Machine type:	657E															
	Stockpil	les, Misc.	Ponds &	Diversions	Roads & Tra	ails											
	Topsoil	Subsoil	Topsoil	Subsoil	Topsoil	Subsoil	Soil										
	Area	Area	Area	Area	Area	Area	depth	Volume	Stockpile	Haul	Production	Efficiency	Scraper Loader	Loader	Truck		Numbe
Land owner, legal description	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(in.)	(cu yds)	Location	Distance	(cu yds/hr)	Factor	Hours Production	Hours	Prod/trk	Hours	of Trucks
Section 33, T146N, R82W																	
Diversions			0.4				12	645	TS-123	2000	395	0.84	2				
Haul Roads			0.4		23.3		12	37,591	TS-419	1500	470	0.84	95				
Hauf Roads					23.3		12	37,391	13-419	1300	470	0.04	93				
Section 35, T146N, R83W																	
Ponds			13.5				12	21,780	TS-155	1000	579	0.84	45				
Diversions			1.5				12	2,420	TS-171	400	803	0.63	5				
Subsoil Piles	3.5						12	5,647	TS-155	500	755	0.63	12				
Overburden	4.8						12	7,744	TS-155	600	712	0.63	17				
Overburden		4.8					12	7,744	SS-96	600	712	0.63	17				
Haul Road					3.5		12	5,647	TS-155	4000	328	0.84	20				
Section 36, T146N, R83W																	
Ponds			18.8				12	30,331	TS-153/157	1200	530	0.84	68				
Diversions			1.8				12	2,904	TS-153/157	300	858	0.63	5				
Subsoil Piles	7.5		0				12	12,100	TS-153	900	608	0.63	32				
Haul Road	/				30.8		12	49,691	TS-153/157	2800	412	0.84	144				
Haul Road					30.0	7.3	12	11.777	SS-84	800	639	0.63	29				

	Machine type	657E	:															
	Stookni	les, Misc.	Donds &	Diversions	Roads & Tra	ilo												
	Topsoil	Subsoil	Topsoil	Subsoil	Topsoil	Subsoil	Soil		†									
	Area	Area	Area	Area	Area	Area	depth	Volume	Stockpile	Haul	Production	Efficiency	Scraper	Loader	Loader	Truck	Truck	Numb
and owner, legal description	(acres)	(acres)	(acres)	(acres)	(acres)	(acres)	(in.)	(cu yds)	Location	Distance	(cu yds/hr)	Factor	Hours	Production	Hours	Prod/trk	Hours	of Truc
AFK-8405																		
ection 22																		
Subsoil Piles	4.2						12	6,776	TS-267	800	639	0.63	17					
Haul Road	7.2				32.3		12	52,111	TS-249/269/409	2000	395	0.84	157					
Haul Road					0210	32.3	12	52,111	SS-152	4500	303	0.84	205					
ection 23																		
Ponds			3.0				12	4,840	TS-257	1200	530	0.84	11					
Diversions Diversions			1.0	0.5			12 12	1,613 807	TS-257 SS-150	900 4000	608 328	0.63 0.84	4					
Subsoil Piles	6.2			0.5			12	10.003	SS-150 TS-277	1000	579	0.84	21					
Haul Road	0.2				11.8		12	19,037	TS-201	700	674	0.63	45					
Haul Road					1110	11.8	12	19,037	SS-150	4000	328	0.84	69					
ection 24																		
Diversions			1.1				12	1,775	TS-255	300	858	0.63	3					
ection 26																		
Ponds			6.4				12	10,325	TS-199	700	674	0.63	24					
Ponds				3.5			12	5,647	SS-132	600	712	0.63	13					
Diversions			1.3				12	2,097	TS-199	700	674	0.63	5					
Subsoil Piles	10.2						12	16,456	TS-199	500	755	0.63	35					
Haul Road					18.1		12	29,201	TS-329/199	700	674	0.63	69					
Haul Road						4.5	12	7,260	SS-132	15000				933.0	8	155.5	46.7	6.0
ection 27																		
Diversions			0.9				12	1,452	TS-231	400	803	0.63	3					
Haul Road			0.5		30.0		12	48,400	TS-231	1000	579	0.84	99					
Haul Road						25.0	12	40,333	SS-132	3000	395	0.84	122					
ection 34																		
Ponds Diversions			26.0 3.8				12 12	41,947 6,131	SE1/4 Section 34 SE1/4 Section 34	1500 1500	470 470	0.84 0.84	106 16					
Subsoil Piles	20.1		3.8				12	32,428	SE1/4 Section 34 SE1/4 Section 34	600	712	0.63	72					
Haul Road	20.1				50.2		12	80,989	SE1/4 Section 34	1800	422	0.84	228					
Haul Road						28.0	12	45,173	SE1/4 Section 34	1800	422	0.84	127					
Access Roads					10.0		12	16,133	SE1/4 Section 34	1600	453	0.84	42					
ection 35			1.3					2.097	TC 100	700		0.52	_					
Ponds Diversions			0.8				12 12	2,097 1,291	TS-199 TS-199	700 500	674 755	0.63 0.63	5					
Subsoil Piles	7.4		0.0				12	1,291	TS-199 TS-199	500	755	0.63	25					
Haul Road					2.2		12	3,549	TS-333	1000	579	0.84	7					
	,		1	Į.		ı.	J.		1									
>>>>>TOTALS (ACRES):	382.6		407.5		729.0	TOTAL	2,970,308	TV.					7,267	1 -	137	510		

EARTHMOVING HOURS SUMMARY

ACTIVITY	Scraper 657E	Dozer D11	Loader 992G	Trucks 777D	Dozer D9R
SPGM respread (mining dist.)	3,813	0	11,857	55,678	11,857
SPGM respread (assoc. dist.)	7,267	0	137	510	137
Normal spoil regrading	0	14,719	0	0	0
Final pit grading (spoil side)	13,607	2,930	0	0	0
Final pit grading (highwall)	0	7,243	0	0	0
Pit ramp and road/belt grading	5,350	5,031	538	1,324	538
Pond and diversion grading	3,030	1,229	0	0	0
Regrading of Public Roads	1,067	0	0	0	0
TOTAL HOURS:	34,135 657E	31,152 D11	12,532 992G	57,512 777D	12,532 D9R

EARTHMOVING COST SUMMARY

	Scraper-657E	Dozer-D11N	Loader-992G	Trucks-777D	Dozer-D9R	Grader-16H	Water-Wagon
Total equipment hours:	34,135	31,152	12,532	57,512	12,532	18,222	3,889
x Total est. hourly cost:	\$224.98	\$234.93	\$222.35	\$178.51	\$145.75	\$107.35	\$107.35
= Total equipment cost:	\$7,679,637	\$7,318,640	\$2,786,585	\$10,266,481	\$1,826,601	\$1,956,083	\$417,477
TOTAL EARTHMOVING COST:	\$32,251,504						

^{*}Obtain values from EQUIP.WKS (Hourly Equipment Cost Estimating Form)

Breakdown of costs	Scraper-657E	Dozer-D11N	Loader-992G	Trucks-777D	Dozer-D9R	Grader-16G	Water-Wagon	Total
Mining Disturbance	\$3,919,147	\$5,847,844	\$2,636,496	\$9,939,067	\$1,728,218	\$1,584,566	\$261,911	\$25,917,249
Associated Disturbance	\$3,760,491	\$1,470,795	\$150,088	\$327,414	\$98,383	\$371,518	\$155,566	\$6,334,255
Total	\$7,679,637	\$7,318,640	\$2,786,585	\$10,266,481	\$1,826,601	\$1,956,083	\$417,477	\$32,251,504

SEED COST SUMMARY

Pre-Cropland Seed Mix

Species	lbs./acre	x \$/lb.	= \$/acre	
Dussian Wilders	4.0	\$2.05	\$8.20	
Russian Wildrye		· ·	•	
Intermediate Wheatgrass - Oahe	7.0	\$1.88	\$13.16	
Pubescent Wheatgrass - Mandan 759	7.0	\$1.92	\$13.44	
Alfalfa - Ladak	3.0	\$1.72	\$5.16	
			\$39.96	
	Total Per-	Total Per-Acre Cost =		

Fish and Wildlife Seed Mix

Species			
	lbs./acre	x \$/lb.	= \$/acre
Western Wheatgrass - Rosanna	4.0	\$4.50	\$18.00
Thickspike Wheatgrass - Critana	6.0	\$3.00	\$18.00
Slender Wheatgrass - Primar	2.0	\$1.65	\$3.30
Green Needlegrass - Lodorm	6.0	\$3.25	\$19.50
	Total Per-Acre Cost = \$5		\$58.80

Rangeland Seed Mix

Species	lbs./acre	x \$/lb.	= \$/acre
WARM SEASON GRASSES			
Blue Grama	1.0	\$6.00	\$6.00
Sideoats Grama	4.0	\$4.75	\$19.00
Switchgrass	2.0	\$3.75	\$7.50
Big Bluestem	3.0	\$5.50	\$16.50
COOL SEASON GRASSES			
Western Wheatgrass	2.0	\$4.50	\$9.00
Green Needlegrass - Lodorm	3.0	\$3.25	\$9.75
	Total Per-	\$67.75	

TREE COST SUMMARY

Windbreak Location	Length	Trees, shrubs	Fabric	
	ft.	\$/ft.	\$/ft.	= \$
Sections 26 (9503)	19,290	\$0.15	\$0.40	\$10,610
Sections 29 (8705)	17,100	\$0.15	\$0.40	\$9,405
		Total Cost =		\$20,015

REVEGETATION COST SUMMARY

<10% slope acreage:	4,975	acres
>10% slope acreage:	0	acres
Pasture/pre-crop acreage:	4540	acres
Fish and Wildlife Acreage:	260	acres
Rangeland acreage:	175	acres
Total acreage (worst-case):	4975	acres
Pasture/pre-crop seed cost:		per acre
Fish and Wildlife seed cost:		per acre
Rangeland seed cost:	\$67.75	per acre
Fertilizer cost:	\$0.1635	per lb.
Acres requiring rock picking:	4975	acres
Farm Work Rates:		
5	₫ 60	
Deep chiseling:		per acre
Regular drilling (w/o fert.):		per acre
Dry fertilizer application:	\$3.87	per acre
0.48		
Cost Summary:		
	Φ 5 0, 5 00, 6 0	
Seed bed preparation:	\$59,599.30	
+ Rock picking:	\$248,745.00	
+ Seeding: pasture/pre-crop:	\$214,010.89	
+ Fish and Wildlife:	\$17,154.80	
+ Rangeland:	\$13,741.00	
+ Fertilizer:	\$68,056.63	
+ Mulch: <10% slopes:	\$497,490.00	
+ Mulch: >10% slopes:	\$0.00	
+Windbreaks	\$20,014.50	
TOTAL REVEGETATION COST	\$1,138,812	
TOTAL REVEOLITATION COST	ψ1,130,012	

FINAL COST SUMMARY

Bond Amount Subtotal:		
Total Earthmoving Cost:		\$32,251,504
+ Demolition of Section 25 Heat Enclosure		\$26,000
+ Total Revegetation Costs		\$1,138,812
+ Culvert and Gravel for Public Road Reconstruction		\$315,000
+ 1% Add-on For Pumping & Misc. Costs		\$337,313
+ Cable Belt Structural Teardown		\$176,000
SUBTOTAL:		\$34,244,629
Engineering and Design Costs:		
Base Map & Control		
	Permitted acreage =	26,674
	x \$10.00/acre =	\$266,736
Design Map & Quantities		
	Graded acreage =	4,975
	x \$25.00/acre =	\$124,373
As-Built Map for Permit Area:	Permitted acreage =	26,674
	x \$5.00/acre =	\$133,368
Final Quantities		
	Graded acreage =	4,975
	x \$10.00/acre =	\$49,749
Total Engineering and Design Cost =		\$574,226
Supervision and Administration Costs:		
10% of first \$200,000 of BOND SUBTOTAL (line 132):		\$20,000
+ 1% of amount of BOND SUBTOTAL over \$200,000:		\$340,446
Total Supervision and Administration Cost =		\$360,446
+ Total Engineering and Design Cost:		\$574,226
Total Engineering, Supervision, & Administration Cost:	_	\$934,672
TOTAL AMOUNT (SUBTOTAL + ADMINISTRATIVE COST)	=	\$35,179,30