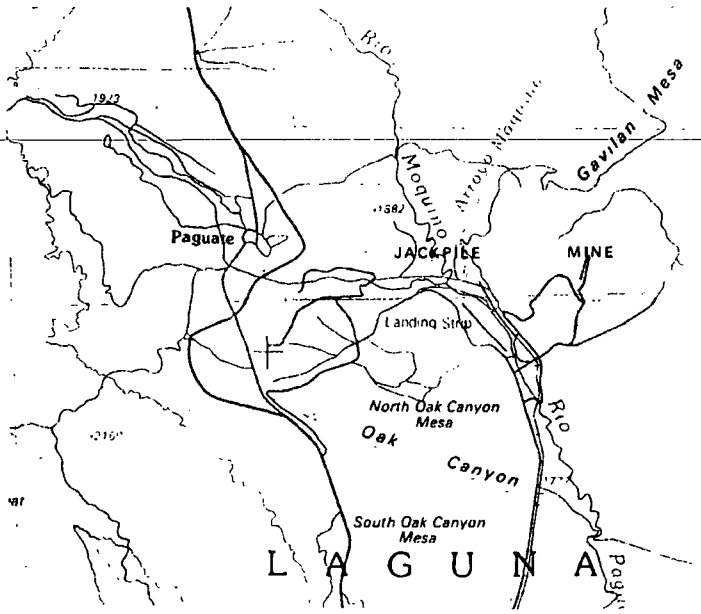
Pueblo of Laguna
P.O. Box 194
Laguna, New Mexico 87026

Confidential Claim Retracted
AUTHORIZED BY: SL
DATE: 5/14/13

Jackpile Reclamation Project
Pueblo of Laguna, New Mexico



Project Status Report No. 6
January, 1990

9404036

LANDMARK RECLAMATION

WESTON
MANAGERS DESIGNERS·CONSULTANTS

LANDMARK RECLAMATION

LANDMARK RECLAMATION/WESTON

JACKPILE RECLAMATION PROJECT
LAGUNA, NEW MEXICO

PROJECT STATUS REPORT
NO. 6
JANUARY, 1990

BY: Jim Harrison
J. HARRISON
PROJECT MANAGER

SEE DISTRIBUTION LIST

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CONFIDENTIAL

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NOTE: NIC Denotes Not Included in This Report

2.1 ABSTRACT

January, 1990 marked the first month of full-scale earthmoving activities following the operator training in December, 1989. Protore hauling was completed on NP-PS-13 and continued in piles PS-14 and PS-01. Sloping work was expanded in the South Paguate area with some haul road re-hab work completed. Dewatering of the North Paguate continued and should be done in March. Ten work packages were submitted by LCC as complete and requesting final verification.

Estimated production of about 804,000 cubic yards for the earthwork indicates favorable productivity levels. (This aspect will be constantly analyzed and compared to develop the basis for LCC's production history and further plans.) An additional 259,000 cubic yards was hauled during December's training activities.

Area	1/31/90 Yardage	12/31/89 Yardage	
NP-PS-13	196,000	225,000	
SP-WO-14	100,000	----	
SP-WS-17	145,000	----	
NP-OP-19	----	133,000	(in Nov., 1989)
SP-PS-01	198,370	34,260	
SP-WO-38	7,000	----	
NP-WO-04	60,000	----	
TOTALS	803,811	259,260	

Estimated by truck and scraper count. Final volume reconciliation will be by survey when work packages are closed.

Design/redesigned considerations have been proposed as discussed in the Appendix.

Annual Operating Plan Work Package Identification, Organization and Budget have been completed and is shown in the billing summary.

2.2 PROGRESS MAP

The Progress Map is not included this month. This will be a map that is keyed to in-progress work packages.

Scale and format are under development. We intend to include this map in the February report.

2.3. Construction Photos

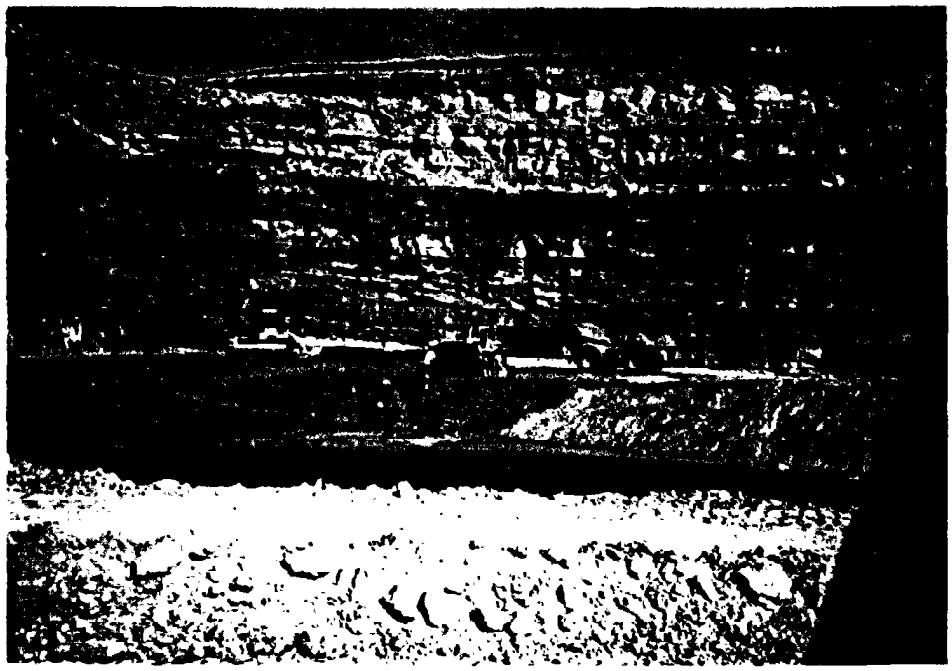


Figure 1. 70-ton belly dumps and dozers, North Paquate Pit.

Figure 2. 631 Scrapers on maintained haul road, North Paquate Pit.

2.3. Construction Photos

Figure 3. The beginning of dump sloping with dozers, South Paquate, SP-WO-14.

Figure 4. Design consideration:
Cover Oak Canyon by 3:1 sloping?

2.4 MILESTONES

- LCC completed relocating the NP-PS-13 protore pile with scrapers and dozers to the North Paguate pit.
- The scrapers then moved to NP-PS-14.
- Cutting to a 3:1 slope with dozers on the west end of the North Paguate pit, NP-WO-06 was started and completed during the month.
- Sloping began and was completed in the South Paguate pit, SP-WO-14.
- The dozers were then moved to the north side of the pit in SP-WO-17.
- The trucks and front-end loaders had moved about 40% of the one million cubic yard SP-WO-01 to the North Paguate pit at month's end.

3.0 ACTION ITEMS

3.1 POL/RPM

1) Final agreement with Landmark Reclamation
2) 100% Designs - Acceptance pending further review by Landmark/Weston
3) Set up weather station (upon delivery)
4) Coordinate S.R. - 279 Closure
5) Quarterly financial report to BIA
6) Summarize project costs prior to those shown on current billing summary
7) Building removals transport to Laguna Industries

3.2 BIA

(NONE)

3.3 CMC

1) Work Package close outs
2) Survey volume verifications
3) Set up subcontractors for radiation and groundwater services
4) Design and estimate the costs to hydraulically place backfill in the P-10 decline.
5) Obtain bids to use explosives to trim the highwall, SP-HW-21, on the south side of the Paguate pit.
6) WESTON provides list by Work Package of proposed design structures.

3.4 LCC

1) Survey monitor well locations
2) Submit update production schedule PDM and Gantt chart
3) Submit close out requests upon work completion
4) Prepare billing summaries that coincide with POL/RPM scheme (Jackpile Billing Summary)

4.1 FOUR (4) WEEK LOOK AHEAD

Attached is an abbreviated Gantt chart indicating work that is in progress during the next period of time, February. Significant events may be included and shown as milestones on future look aheads. This chart represents those (coupled with appropriate notes) schedules that LCC (or CMC) will provide in additon to the overall schedules outlined below.

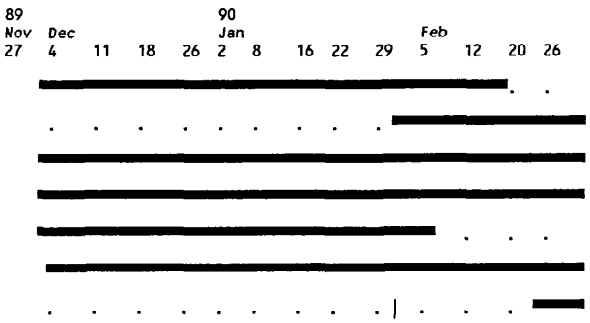
4.2 PROJECT SCHEDULE

LCC's Project Management System is in progress. As it becomes functional, LCC will have the capability of producing and updating the Work in Progress (WIP) schedule(s) - all FY 1991 work.

Updated PDMs (Precedence Diagramming Method) will be transmitted to POL/RPM biweekly, but due to size may not be included in the monthly report. A bargraph schedule (Gantt Chart) derived from the PDM will be submitted along with the PDM. This schedule should be on one sheet and can be reduced to be included in the Monthly Status Report.

Schedule Name : JACKPILE
Responsible : LCC
As-of Date : 31-Jan-90 Schedule File : C:\KIP\DATA\JACKPILE

WBS	Task Name	Duratn (Days)	Start Date	End Date
2E1N04	NP-PS-14	52.5	1-Dec-89	16-Feb-90
2E1N05	NP-PS-15	30	31-Jan-90	14-Mar-90
2E1N07	SP-PS-01	105	1-Dec-89	2-May-90
2E2S02	SP-WS-17	105	1-Dec-89	2-May-90
2E2S04	SP-WO-14	45	1-Dec-89	6-Feb-90
2S2N01	DEWATER NP	85	4-Dec-89	5-Apr-90
2S2S01	DEWATER SP	90	23-Feb-90	29-Jun-90



Detail Task
(Started)
(Slack)
Summary Task
(Started)
(Slack)
Milestone
Conflict
Resource delay
Scale: 1 day per character

Gantt Chart Report

5.1 TRACKING SUMMARY

1. Shown are authorized Work Packages:

   a. Mobilization
   b. Interim
   c. Annual Operating Plan

   The project baseline has been updated with correct information and has been transmitted to LCC.

2. Total Cost Estimate (Target Cost) comes from the Annual Operating Plan as does two target components, Equipment Cost (Target Depreciation) and Target Cash Flow. Target Cash Flow includes margin on direct cost, equipment credit and G & A.

   YTD (Year-To-Date) Actual Cost is all cost before the equipment credit (Actual Depreciation). Actual Cash Flow includes all other costs including margin. While margin is applied to G & A, G & A is billed and accumulated separately (this is somewhat at variance with #4 below).

   Remaining Cost Estimate is computed along with Percent of Estimate Spent. LCC will report Percent Complete to coincide with billing periods.

   Estimated Variance (positive or negative) At Completion for Depreciation and Cash Flow can then be computed.

3. Final margin may be adjusted upon Work Package completion. The 1/31 LCC billing included all margin for the month of January. The Jackpile Summary is under review to ensure baseline, chain of calculations and compatibility. Margin is presently estimated to be $587,468 pending review and is accumulated separately.

4. G & A is fixed for FY 1990 and is billed in a fixed basis. WP No. 2L1L01.

5. 2E1N12 Cut Slopes NP-OP-19 - $148,393 was not in the Annual Operating Plan. Bulk of work was completed prior to December 1, but additional changes have been accumulated since then. Therefore, that budget is included.

6. 2E1N11 NP-PS-13 is shown in one part of the Annual Operating Plan twice. First, as $148,952 with no margin, then as $169,755 (with G & A and margin), then in another part of the plan as $149,157 without G & A, but with margin. The latter is shown pending review. This is one of two WPs shown with a percent complete.

   a. 2S1N01 Seal PW 2/3 UG was completed concurrent with 2E1N11 and will be closed out at no cost.

7. Pumps and piping costs for dewatering have been distributed against the three (3) dewatering WPs.

WP	Prior Cost	Reallocated	1/31
a) 2S2N01	$211,155.83	$113,820.05	
b) 2S2S01	0	$48,667.89	
c) 2S2J01	0	$48,667.89	$53.60
TOTAL	$211,155.83	$211,155.83	211,209.43

8. Interim CMC Budget Redistributed

1C2L01 CMC Labor	$116,337.65
1C2L02 CMC Purchases	$5,392.35
Authorized Budget	$121,730.00

9. Environmental Monitoring Redistributed

1C2L03B	$78,288.90
1C1L05A	$106,654.10
Authorized Budget	$184,943.00

10. Correct FY 1990 CMC Budget Authorization: $434,040 not $457,518. Budget not yet distributed.

11. Correct WP Number, Description and Amounts:

a. 2S3N01 Demolish NP Surface Structures - $2,947.00
b. 2S3S01 Demolish SP Surface Structures - $57,986.00
c. 2E4S01 Haul Contaminated Soil - $162,633.00

12. There is no 2MIN01. Correct numbers:

2M2N01 Land Surveying NP Area	$18,800	Interim
2M1N01 is 2M2N01	$91,244	AOP
Authorized Budget	$110,044	

G&GS NOT INCLUDE

13. 2M3L01 Operator Training - Page 2 $ 14,600
2M3L01 Operator Training - Page 3 $171,628

Use: $171,628

14. For LCC:

a.	1C1L01 is 2L2L01 LCC G & A: MOB	$119,100
b.	1C1L02 is 2L2L02 LCC Interim Ins.	$145,500
c.	_____ is 2L2L03 LCC Int. Admin	$176,000
	SUBTOTAL	$440,600
d.	2L1L01 LCC FY 1990 Fixed G & A	$810,000*

* Present Fixed Rate of Running needs to be confirmed

15. The following Work Package numbers have been deleted. There was no budget.

2M1L02
2M1L03
2M1L04

16. 2S1S05 Plug Drill Holes: Moved misapplied
Costs ($3,812.62 + 2,896.48 + 9,013.09 = $15,722.19) to 2M1L07 Recondition Job Site.

JACKPILE
TRACKING SUMMARY

FY90
INTERIM
MOBILIZATION
ANNUAL OPERATING PLAN

JANUARY, 1990

WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	TARGET DEPRECIATION	TARGET CASH FLOW	YTD ACTUAL COST	ACTUAL DEPRECIATION	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	PERCENT OF ESTIMATE SPENT	REPORTED PERCENT COMPLETE	ESTIMATED VARIANCE AT COMPLETION DEPRECIATION	ESTIMATED VARIANCE AT COMPLETION CASH FLOW
MGMT CA SUMMARY												
1P1	POL MANAGEMENT CA TOTAL	$110,859 00		$110,859 00	$0 00		$0 00	$110,859 00	0%	0%	$0 00	$0 00
1P2	POL OTHER PROGRAMS CA TOTAL	$0.00		$0 00	$0 00		$0 00	$0 00	0%	0%	$0.00	$0 00
1P	POL MANAGEMENT TASK TOTAL	$110,859.00		$110,859 00	$0 00		$0.00	$110,859 00	0%	0%	$0 00	$0.00
1C1	CONSTRUCTION MANAGEMENT CA TOTAL	$540,694 10		$540,694.10	$8,153 85		$8,153 85	$532,540 45	2%	0%	$0 00	$0 00
1C2	INTERIM GMC CA TOTAL	$200,018 90		$200,018 90	$199,456 25		$199,456 25	$562 65	100%	0%	$0 00	$0 00
1C	CONSTRUCTION MANAGEMENT TASK TOTAL	$740,713.00		$740,713.00	$207,609 90		$207,609 90	$533,103.10	28%	0%	$0 00	$0 00
1	MANAGEMENT TOTAL	$851,572 00		$851,572.00	$207,609 90		$207,609.90	$643,962 10	24%	0%	$0 00	$0 00
CONST CA SUMRY												
2L1	LCC COSTS CA TOTAL	$810,300.00		$810,300 00	$140,000 00		$140,000 00	$670,300.00	17%	0%	$0 00	$0 00
2L2	LCC START-UP COSTS CA TOTAL	$440,600 00		$440,600 00	$369,705 00		$369,705 00	$70,895.00	84%	0%	$0 00	$0 00
2L	LCC ADMINISTRATION TASK TOTAL	$1,250,900.00		$1,250,900.00	$509,705.00		$509,705 00	$741,195.00	41%	0%	$0.00	$0.00
2M1	MOBILIZATION CA TOTAL	$399,617.00	$0 00	$399,617 00	$390,018 07	$13 13	$390,004 94	$9,598 93	98%	0%	$0 00	$0 00
2M2	LAND SURVEY CA TOTAL	$110,044 00	$0.00	$110,044.00	$5,188 23	$297 61	$4,890 62	$104,855 77	5%	0%	$0.00	$0 00
2M3	LCC TRAINING CA TOTAL	$171,628 00	$0.00	$171,628 00	$94,591 61	$20.10	$94,571 51	$77,036 39	55%	0%	$0.00	$0 00
2M	MOBILIZATION TASK TOTAL	$681,289.00	$0.00	$681,289.00	$489,797.91	$330 84	$489,467 07	$191,491.09	72%	0%	$0.00	$0.00
2E1	BACKFILLING CA TOTAL	$4,647,947 00	$1,175,395 00	$3,472,552.00	$440,699.46	$72,059 75	$368,639 71	$4,207,247 54	9%	0%	($10,058 05)	$63,180 51
2E2	DUMP SLOPING CA TOTAL	$2,027,759 00	$475,161.00	$1,552,598 00	$37,098 59	$9,566 55	$27,532 04	$1,990,660 41	2%	0%	$0 00	$0 00
2E3	COVER PLACEMENT CA TOTAL	$6,532 00	$1,796.00	$4,736 00	$0 00	$0 00	$0 00	$6,532 00	0%	0%	$0 00	$0.00
2E4	CONTAMINATED SOIL CA TOTAL	$174,065 00	$64,162 00	$109,903 00	$13,653 79	$86 95	$13,566 84	$160,411.21	8%	0%	$0.00	$0 00
2E5	HIGHWALL CA TOTAL	$256,416 00	$30,009.00	$226,407.00	$0 00	$0 00	$0.00	$256,416 00	0%	0%	$0 00	$0 00
2E6	EROSION CONTROL CA TOTAL	$0 00	$0 00	$0 00	$0 00	$0 00	$0 00	$0 00	0%	0%	$0 00	$0.00
2E	EARTHWORK TASK TOTAL	$7,112,719 00	$1,746,523.00	$5,366,196 00	$491,451 84	$81,713.25	$409,738 59	$6,621,267.16	7%	0%	($10,058.05)	$63,180 51
2S1	UG ENTRIES ABANDON CA TOTAL	$122,215 00	$19,522 00	$102,693 00	$23,094 70	$5.00	$23,089 70	$99,120 30	19%	0%	$0 00	$0 00
2S2	PIT WATER CA TOTAL	$416,990 00	$17,876.00	$399,114 00	$214,460 47	$128 18	$214,332 29	$202,529 53	51%	0%	$0.00	$0 00
2S3	SS DEMOLITION CA TOTAL	$175,829 00	$24,642 00	$151,187 00	$34,282 96	$21 26	$34,261 70	$141,546 04	19%	0%	$0 00	$0 00
2S4	SS DECON CA TOTAL	$0.00	$0.00	$0 00	$0 00	$0 00	$0 00	$0 00	0%	0%	$0 00	$0.00
2S5	PERMANENT STRUCTURES CA TOTAL	$25,853.00	$0.00	$25,853 00	$0 00	$0 00	$0 00	$25,853 00	0%	0%	$0 00	$0.00
2S	STRUCTURES TASK TOTAL	$740,887.00	$62,040.00	$678,847.00	$271,838 13	$154 44	$271,683.69	$469,048.87	37%	0%	$0 00	$0 00
2R1	SEEDING CA SUBTOTAL	$54,917 00	$0 00	$54,917.00	$0 00	$0.00	$0 00	$54,917 00	0%	0%	$0 00	$0 00
2R2	IRRIGATION CA SUBTOTAL	$0 00	$0 00	$0.00	$0 00	$0 00	$0 00	$0 00	0%	0%	$0 00	$0 00
2R	REVEGETATION TASK TOTAL	$54,917.00	$0.00	$54,917.00	$0 00	$0.00	$0 00	$54,917.00	0%	0%	$0.00	$0 00
2	CONSTRUCTION TOTAL	$9,840,712 00	$1,808,563.00	$8,032,149 00	$1,762,792 88	$82,198 53	$1,680,594 35	$8,077,919 12	18%	0%	($10,058 05)	$63,180.51
	JACKPILE PROJECT SUMMARY											
1	MANAGEMENT TOTAL	$851,572 00	$0 00	$851,572 00	$207,609 90	$0 00	$207,609 90	$643,962 10	24%	0%	$0.00	$0.00
2	CONSTRUCTION TOTAL	$9,840,712 00	$1,808,563 00	$8,032,149 00	$1,762,792 88	$82,198.53	$1,680,594 35	$8,077,919 12	18%	0%	($10,058 05)	$63,180 51
	GRAND TOTAL	$10,692,284.00	$1,808,563.00	$8,883,721.00	$1,970,402 78	$82,198.53	$1,888,204.25	$8,721,881.22	18%	0%	($10,058.05)	$63,180.51

WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	TARGET DEPRECIATION	TARGET CASH FLOW	YTD ACTUAL COST	ACTUAL DEPRECIATION	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	PERCENT OF ESTIMATE SPENT	REPORTED PERCENT COMPLETE	ESTIMATED VARIANCE AT COMPLETION DEPRECIATION	ESTIMATED VARIANCE AT COMPLETION CASH FLOW
POL MGMT												
1P1L01	PROJECT MANAGEMENT	$110,859 00		$110,859 00	$0 00		$0 00	$110,859 00	0%			
1P1L02				$0.00	$0 00		$0.00	$0.00	0%			
1P1L03				$0 00	$0.00		$0 00	$0 00	0%			
1P1L04				$0 00	$0 00		$0 00	$0 00	0%			
1P1L05				$0 00	$0 00		$0 00	$0 00	0%			
1P1	POL MANAGEMENT CA TOTAL	$110,859 00		$110,859 00	$0.00		$0 00	$110,859 00	0%		$0 00	$0 00
A/E												
1P2L01	DESIGN AND SPECIFICATIONS			$0 00	$0 00		$0 00	$0 00	0%			
1P2L02				$0.00	$0 00		$0 00	$0 00	0%			
1P2	ENGINEERING CA TOTAL	$0 00		$0 00	$0 00		$0.00	$0.00	0%		$0.00	$0.00
1P	POL MANAGEMENT TASK TOTAL	$110,859 00		$110,859.00	$0 00		$0 00	$110,859.00	0%		$0.00	$0 00
CMC												
1C1L01	CONSTRUCTION MANAGEMENT: UB	$434,040 00		$434,040 00	$6,782 15		$6,782.15	$427,257 85	2%			
1C1L02	INSPECTION QA/QC			$0 00	$0.00		$0.00	$0 00	0%			
1C1L03	ENGINEERING			$0 00	$0 00		$0 00	$0 00	0%			
1C1L04	COST/SCHEDULE CONTROL MONITOR			$0 00	$0 00		$0.00	$0 00	0%			
1C1L05A	ENVIRONMENTAL MONITORING· FY 90	$106,654 10		$106,654 10	$1,371 50		$1,371.50	$105,282 60	1%			
1C1L06	CONTINGENCY			$0 00	$0 00		$0 00	$0 00	0%			
1C1	CONSTRUCTION MANAGEMENT CA TOTAL	$540,694 10		$540,694 10	$8,153 65		$8,153 65	$532,540 45	2%		$0 00	$0.00
INTERIM CMC												
1C2L01	CONSTRUCTION MANAGEMENT	$116,337.65		$116,337 65	$115,775 00		$115,775.00	$562 65	100%			
1C2L02	CMC PURCHASES	$5,392.35		$5,392 35	$5,392 35		$5,392.35	$0 00	100%			
1C2L03B	ENVIRONMENTAL MONITORING INTERIM	$78,288 90		$78,288 90	$78,288 90		$78,288.90	($0 00)	100%			
1C2	INTERIM CMC CA TOTAL	$200,018 90		$200,018 90	$199,456.25		$199,456 25	$562 65	100%		$0.00	$0.00
1C	CONSTRUCTION MANAGEMENT TASK TOTAL	$740,713.00		$740,713.00	$207,609.90		$207,609.90	$533,103.10	28%		$0 00	$0 00
1	MANAGEMENT TOTAL	$851,572.00		$851,572.00	$207,609 90		$207,609 90	$643,962.10	24%		$0.00	$0 00
LCC ADMIN												
2L1L01	LCC G&A	$810,300 00		$810,300 00	$140,000.00		$140,000 00	$670,300 00	17%			
2L1L02	LCC MARGIN (INCLUDED IN WPs)			$0 00	$0.00		$0.00	$0 00	0%			
2L1	LCC COSTS CA TOTAL	$810,300 00		$810,300 00	$140,000 00		$140,000 00	$670,300 00	17%		$0 00	$0 00
2L2L01	LCC G&A. MOBILIZATION	$119,100 00		$119,100 00	$89,400 00		$89,400 00	$29,700 00	75%			
2L2L02	LCC INSURANCE INTERIM	$145,500 00		$145,500 00	$104,305 00		$104,305 00	$41,195 00	72%			
2L2L03	LCC ADMINISTRATIVE COSTS. INTERIM	$176,000.00		$176,000.00	$176,000 00		$176,000 00	$0 00	100%			
2L2	LCC START-UP COSTS CA TOTAL	$440,600.00		$440,600 00	$369,705 00		$369,705.00	$70,895 00	84%		$0 00	$0 00
2L	LCC ADMINISTRATION TASK TOTAL	$1,250,900.00		$1,250,900.00	$509,705 00		$509,705 00	$741,195 00	41%		$0 00	$0 00
MOBILIZATION												
2M1L01				$0 00	$0 00		$0 00	$0 00	0%			
2M1L05	SMALL TOOLS & SAFETY EQUIPMENT	$63,724 00		$63,724 00	$60,641 00		$60,641.00	$3,083 00	95%			

WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	TARGET DEPRECIATION	TARGET CASH FLOW	YTD ACTUAL COST	ACTUAL DEPRECIATION	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	PERCENT OF ESTIMATE SPENT	REPORTED PERCENT COMPLETE	ESTIMATED VARIANCE AT COMPLETION DEPRECIATION	ESTIMATED VARIANCE AT COMPLETION CASH FLOW
2M1L06	REMODEL PROJECT/FIELD OFFICES	$46,520 00		$46,520 00	$50,649 88		$50,649 88	($4,129 88)	109%			
2M1L07	RECONDITION JOBSITE	$97,163.00		$97,163 00	$88,167 65	$13 13	$88,154.52	$8,995 35	91%			
2M1L08	SET UP SHOP/MAINTENANCE FACILITIES	$192,210.00		$192,210 00	$190,559 54	$0 00	$190,559 54	$1,650 46	99%			
2M1	MOBILIZATION CA TOTAL	$399,617 00	$0 00	$399,617.00	$390,016 07	$13 13	$390,004.94	$9,598 93	98%		$0.00	$0 00
LAND SURVEY												
2M2N01	LAND SURVEY NP AREA	$110,044 00		$110,044.00	$5,188.23	$297 61	$4,890 62	$104,855.77	5%			
2M2S01	LAND SURVEY SP AREA			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2M2J01	LAND SURVEY JP AREA			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2M2	LAND SURVEY CA TOTAL	$110,044 00	$0 00	$110,044.00	$5,188 23	$297.61	$4,890.62	$104,855 77	5%		$0 00	$0 00
TRAINING												
2M3L01	OPERATOR TRAINING EARTHWORK	$171,628 00		$171,628 00	$94,591.61	$20 10	$94,571.51	$77,036 39	55%			
2M3	LCC TRAINING CA TOTAL	$171,628 00	$0.00	$171,628 00	$94,591.61	$20.10	$94,571.51	$77,036 39	55%		$0 00	$0 00
2M	MOBILIZATION TASK TOTAL	$681,289.00	$0.00	$681,289.00	$489,797.91	$330.84	$489,467.07	$191,491.09	72%		$0 00	$0.00
BACKFILLING												
2E1N01	NP HAUL ROADS AND RAMPS	$60,352 00		$60,352 00	$44,134 33	$4,157 07	$39,977.26	$16,217 67	73%			
2E1N02	HAUL TO NP PIT: NP-PS-17			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2E1N03*	HAUL TO NP PIT: NP-PS 18	$1,313,140 00	$348,728 00	$964,412 00	$0 00	$0 00	$0 00	$1,313,140.00	0%			
2E1N04	HAUL TO NP PIT: NP-PS-14	$413,123 00	$112,564 00	$300,559 00	$30,687.99	$9,803.19	$20,884 80	$382,435.01	7%			
2E1N05	HAUL TO NP PIT. NP-PS-15	$406,630 00	$109,541 00	$299,289 00	$505 32	$142 56	$362.76	$406,324 68	0%			
2E1N06	HAUL TO NP PIT: NP-PS-16	$257,759 00	$68,453 00	$189,306 00	$0 00	$0 00	$0 00	$257,759 00	0%			
2E1N07	HAUL TO NP PIT: SP-PS-01	$1,616,723 00	$429,350.00	$1,187,373 00	$157,509 82	$38,132.72	$119,377.10	$1,459,213.18	10%			
2E1N08	DELETED			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
2E1N09	DELETED			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E1N10	HAUL TO NP PIT. NP-WT-10	$102,067 00	$28,064 00	$74,003 00	$4,964 53	$1,359.90	$3,604 63	$97,102 47	5%			
2E1N11	HAUL TO NP PIT: NP-PS-13	$148,157 00	$31,071 00	$116,086.00	$146,069 32	$18,071.14	$128,798 18	$2,287 68	98%	98%	($10,058 05)	($31,679 33)
2E1N12	BACKFILL PIT. NP-OP-19	$148,393.00	$0.00	$148,393.00	$48,179 85	$0 00	$48,179 85	$100,213 15	32%	90%	$0 00	$94,859 83
	NP BACKFILLING SUBTOTAL	$4,469,544 00	$1,127,771 00	$3,341,773.00	$432,851.16	$71,666 58	$361,184 58	$4,036,692 84	10%		($10,058 05)	$63,180 51
2E1S01	CONSTRUCT SP HAUL ROADS	$87,899 00	$22,082 00	$65,817 00	$7,848 30	$393 17	$7,455 13	$80,050 70	9%			
2E1S02	HAUL SP-PS-02 TO SP-OP-34	$90,504.00	$25,542.00	$64,962 00	$0 00	$0.00	$0 00	$90,504 00	0%			
	SP BACKFILLING SUBTOTAL	$178,403 00	$47,624 00	$130,779 00	$7,848 30	$393 17	$7,455 13	$170,554 70	4%		$0 00	$0 00
2E1J01	CONSTRUCT JP HAUL ROADS & RAMPS			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E1J02	HAUL JP-PS-23 TO JP-OP-41			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2E1J03	HAUL JP-PS-24 TO JP-OP-41			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E1J04	HAUL JP-PS-25 TO JP-OP-41			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E1J05	HAUL JP-PS-26 TO JP-OP-41			$0.00	$0 00	$0 00	$0 00	$0 00	0%			
2E1J06	HAUL JP-WO-10 TO JP-OP-41			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E1J07	HAUL JP-PS-27 TO JP-OP-41			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
2E1J08	HAUL JP-WO-07 TO JP-OP-41			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E1J09	HAUL JP-WO-12 TO JP-OP-41			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E1J10	HAUL JP-WS-08 TO JP-OP-41			$0.00	$0.00	$0 00	$0 00	$0 00	0%			
2E1J11	HAUL JP-WS-15 TO JP-OP-41			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E1J12	HAUL JP-WO-71 TO JP-OP-41			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E1J13	HAUL JP-WO-03 TO JP-OP-41			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E1J14	HAUL JP-WS-13/WO-20 TO JP-OP-42			$0.00	$0 00	$0 00	$0 00	$0 00	0%			
2E1J15	DELETED			$0.00	$0.00	$0 00	$0 00	$0 00	0%			
	JP BACKFILLING SUBTOTAL	$0.00	$0 00	$0 00	$0 00	$0 00	$0.00	$0.00	0%		$0.00	$0 00
2E1	BACKFILLING CA TOTAL	$4,647,947.00	$1,175,395 00	$3,472,552 00	$440,699 46	$72,059 75	$368,639.71	$4,207,247.54	9%		($10,058 05)	$63,180 51
DUMP SLOPING												
2E2N01	CUT NP-WO-01 SLOPES			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2N02	CUT NP-WO-02 SLOPES			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E2N03	CUT NP-WS-03 SLOPES			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E2N04	CUT NP-WO-04 SLOPES	$24,959 00	$5,199 00	$19,760 00	$14,438 37	$3,406.72	$11,031.65	$10,520 63	58%			
2E2N05	CUT NP-WO-06 SLOPES	$23,741 00	$9,925.00	$13,816 00	$0 00	$0 00	$0.00	$23,741.00	0%			

WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	TARGET DEPRECIATION	TARGET CASH FLOW	YTD ACTUAL COST	ACTUAL DEPRECIATION	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	PERCENT OF ESTIMATE SPENT	REPORTED PERCENT COMPLETE	ESTIMATED VARIANCE AT COMPLETION DEPRECIATION	ESTIMATED VARIANCE AT COMPLETION CASH FLOW
2E2N06	CUT NP-WT-09 SLOPES			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
2E2N07	REGRADE NP-DN-22			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
2E2N08	CUT NP-WM-12 SLOPES	$14,262 00	$2,971 00	$11,291 00	$0 00	$0 00	$0 00	$14,262 00	0%			
2E2N09	CUT NP-HW-25 SLOPES			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
	NP DUMP SLOPING SUBTOTAL	$62,962 00	$18,095 00	$44,867 00	$14,430 37	$3,406 72	$11,031 65	$48,523 63	23%		$0 00	$0 00
2E2S01	CUT SP-WO-13A/WO-10 SLOPES			$0.00	$0 00	$0 00	$0 00	$0 00	0%			
2E2S02	CUT SP-WS-17 SLOPES	$225,222.00	$46,916 00	$178,306 00	$6,624 68	$1,803.30	$4,821.38	$218,597 32	3%			
2E2S03*	CUT SP-WO-13B/WS-18A SLOPES	$790,573 00	$164,269 00	$624,304 00	$0 00	$0 00	$0.00	$790,573 00	0%			
2E2S04	CUT SP-WO-14 SLOPES	$54,671 00	$11,389.00	$43,282 00	$15,290 57	$4,158 73	$11,131 84	$39,380 43	28%			
2E2S05	CUT SP-WS-18B SLOPES	$68,933 00	$14,360 00	$54,573 00	$0 00	$0 00	$0 00	$68,933 00	0%			
2E2S06	CUT SP-WS-19C/WT-19 SLOPES	$694,880 00	$192,527.00	$502,353 00	$0 00	$0 00	$0 00	$694,880 00	0%			
2E2S07	CUT SP-WT-03 SLOPES	$42,786 00	$8,913 00	$33,873 00	$0 00	$0.00	$0 00	$42,786 00	0%			
2E2S08	CUT SP-WT-05 SLOPES			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2S09	CUT SP-WO-38 SLOPES	$2,377 00	$495 00	$1,882 00	$744 97	$197.80	$547.17	$1,632 03	31%			
2E2S10	CUT SP-WS-06 SLOPES			$0 00	$0 00	$0.00	$0.00	$0 00	0%			
2E2S11	CUT SP-WT-19A SLOPES	$36,844 00	$7,675 00	$29,169 00	$0 00	$0 00	$0 00	$36,844 00	0%			
2E2S12	CUT SP-WO-12/WT-11 SLOPES	$50,511.00	$10,522 00	$39,989 00	$0 00	$0.00	$0 00	$50,511 00	0%			
2E2S13	CUT SP-WT-15A/WT-15B SLOPES			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E2S14	DELETED			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2S15	CUT SP-WT-16/WT-37			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
2E2S16	DELETED			$0.00	$0 00	$0 00	$0 00	$0.00	0%			
2E2S17	DELETED			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2S18	DELETED			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2E2S19	CUT SP-MISCELLANEOUS SLOPES			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
	SP DUMP SLOPING SUBTOTAL	$1,964,797.00	$457,066.00	$1,507,731 00	$22,660.22	$6,159 83	$16,500 39	$1,942,136 78	1%		$0 00	$0.00
2E2J01	CUT JP-WO-11 SLOPES			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2E2J02	CUT JP-WT-16D SLOPES			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E2J03	CUT JP-WS-17 SLOPES			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E2J04	CUT JP-PS-22 SLOPES			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2J05	CUT JP-WO-72 SLOPES			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E2J06	DELETED			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E2J07	DELETED			$0 00	$0.00	$0.00	$0 00	$0 00	0%			
2E2J08	CUT JP-WS-01 SLOPES			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2E2J09	CUT JP-WT-02A/02B/02C SLOPES			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2J10	DELETED			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2J11	DELETED			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2E2J12	CUT JP-WO-08 SLOPES			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2J13	CUT JP-WS-08/12 SLOPES			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2E2J14	CUT JP-WO-11 SLOPES			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E2J15	CUT JP-WS-15A/15B SLOPES			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E2J16	DELETED			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2J17	CUT JP-WS-16A/16B/16C SLOPES			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
2E2J18	DELETED			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2J19	DELETED			$0 00	$0.00	$0.00	$0 00	$0.00	0%			
2E2J20	CUT JP-WO-14 SLOPES			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2J21	CUT JP-WS-19A SLOPES			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E2J22	CUT JP-WS-19B SLOPES			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2J23	CUT JP-WS-19C SLOPES			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2J24	CUT JP-WO-66 SLOPES			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E2J25	CUT JP-WO-70 SLOPES			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2E2J26	CUT JP-WO-18/66A SLOPES			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E2J27	CUT JP-WO-18/66B SLOPES			$0.00	$0.00	$0.00	$0.00	$0 00	0%			
2E2J28	CUT JP-WO-18/66C SLOPES			$0.00	$0 00	$0.00	$0.00	$0 00	0%			
2E2J29	CUT JP-WO-03A SLOPES			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2J30	CUT JP-WO-03B SLOPES			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E2J31	CUT JP-WO-04A SLOPES			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E2J32	CUT JP-WO-04B SLOPES			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2J33	CUT JP-WO-05A SLOPES			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2J34	CUT JP-WO-05B SLOPES			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
	JP DUMP SLOPING SUBTOTAL	$0.00	$0 00	$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E2	DUMP SLOPING CA TOTAL	$2,027,759.00	$475,161 00	$1,552,598 00	$37,096 59	$9,566 55	$27,532 04	$1,990,660 41	2%		$0 00	$0 00

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COVER PLACEMENT												
2E3N01	HAUL SOIL FROM NP-SB-61 TO NP-D8			$0 00	$0 00	$0.00	$0.00	$0.00	0%			
2E3N02	HAUL SOIL FROM NP-SB-26 TO NP-D2			$0.00	$0.00	$0 00	$0 00	$0.00	0%			
2E3N03	HAUL SOIL FROM NP-SB-27 TO NP-D7			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3N04	HAUL SOIL FROM NP-SB-27 TO NP-D9			$0.00	$0 00	$0.00	$0 00	$0 00	0%			
2E3N05	HAUL SOIL FROM NP-SB-27 TO NP-D6			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3N06	HAUL SOIL FROM NP-SB-61 TO NP-D9			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3N07	HAUL SOIL FROM SP-DN-61 TO NP-D4			$0 00	$0 00	$0.00	$0.00	$0 00	0%			
2E3N08	HAUL SOIL FROM SP-DN-61 TO NP-D1			$0 00	$0 00	$0.00	$0.00	$0 00	0%			
2E3N09	HAUL SOIL FROM SP-DN-61 TO NP-D3			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3N10	HAUL SOIL FROM SP-DN-61 TO NP-D5			$0 00	$0.00	$0 00	$0 00	$0.00	0%			
2E3N11	HAUL SOIL FROM SP-DN-61 TO NP-D10			$0 00	$0.00	$0.00	$0 00	$0 00	0%			
2E3N12	HAUL SHALE FROM NP-WS-31 TO NP-D8			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E3N13	HAUL SHALE FROM NP-WS-31 TO NP-D9			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3N14	DELETED			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3N15	DELETED			$0.00	$0 00	$0.00	$0 00	$0 00	0%			
2E3N16	HAUL SHALE FROM NP-WS-31 TO NP-D8			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3N17	HAUL SHALE FROM NP-WS-31 TO NP-D10			$0.00	$0 00	$0.00	$0 00	$0 00	0%			
2E3N18	HAUL SHALE FROM NP-WS-03 TO NP-D3			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3N19	HAUL SHALE FROM NP-WS-03 TO NP-D2			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3N20	DELETED			$0.00	$0.00	$0 00	$0 00	$0 00	0%			
2E3N21	HAUL SHALE FROM NP-WS-03 TO NP-D1			$0.00	$0.00	$0 00	$0 00	$0 00	0%			
	NP COVER PLACEMENT SUBTOTAL	$0 00	$0 00	$0 00	$0 00	$0 00	$0 00	$0 00	0%		$0 00	$0 00
2E3S01	HAUL SOIL FROM JP-SB-54 TO SP-D1			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E3S02	HAUL SOIL FROM JP-SB-54 TO SP-D2			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
2E3S03	HAUL SOIL FROM JP-SB-54 TO SP-D3			$0 00	$0 00	$0.00	$0.00	$0 00	0%			
2E3S04	HAUL SOIL FROM SP-SB-42 TO SP-D4			$0.00	$0 00	$0.00	$0 00	$0 00	0%			
2E3S05	HAUL SOIL FROM SP-SB-42 TO SP-D5			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E3S06	HAUL SOIL FROM SP-SB-42 TO SP-D6			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3S07	HAUL SOIL FROM SP-SB-42 TO SP-D7			$0 00	$0 00	$0.00	$0.00	$0 00	0%			
2E3S08	HAUL SOIL FROM JP-SB-54 TO SP-D8			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E3S09	HAUL SOIL FROM JP-SB-54 TO SP-D9			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E3S10	HAUL SOIL FROM SP-SB-42 TO SP-D10			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E3S11	HAUL SOIL FROM SP-SB-42 TO SP-D11			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E3S12	HAUL SOIL FROM SP-SB-42 TO SP-D12			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3S13	HAUL SOIL FROM SP-SB-42 TO SP-D1			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E3S14	HAUL SHALE FROM SP-WS-17 TO SP-13A			$0 00	$0.00	$0.00	$0 00	$0 00	0%			
2E3S15	HAUL SHALE FROM SP-WS-17 TO SP-13B			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E3S16	HAUL SHALE FROM SP-WS-07 TO SP-01			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3S17	HAUL SHALE FROM SP-WS-07 TO SP-14			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E3S18	HAUL SHALE FROM SP-WS-07 TO SP-04			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3S19	HAUL SHALE FROM SP-WS-07 TO SP-D10	$6,532 00	$1,796 00	$4,736 00	$0.00	$0 00	$0 00	$6,532 00	0%			
2E3S20	HAUL SHALE FROM SP-WS-07 TO SP-36			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3S21	HAUL SHALE FROM SP-WS-07 TO SP-10			$0 00	$0.00	$0.00	$0 00	$0 00	0%			
	SP COVER PLACEMENT SUBTOTAL	$6,532 00	$1,796 00	$4,736 00	$0 00	$0.00	$0 00	$6,532.00	0%		$0 00	$0.00
2E3J01	HAUL SOIL FROM JP-SB-53 TO D4			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E3J02	HAUL SOIL FROM JP-SB-53 TO D5			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E3J03	HAUL SOIL FROM JP-SB-53 TO D6			$0 00	$0 00	$0.00	$0.00	$0 00	0%			
2E3J04	HAUL SOIL FROM JP-SB-53 TO D9A			$0.00	$0 00	$0.00	$0 00	$0 00	0%			
2E3J05	HAUL SOIL FROM JP-SB-53 TO D1			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3J06	HAUL SOIL FROM JP-SB-53 TO D3			$0 00	$0.00	$0.00	$0 00	$0.00	0%			
2E3J07	HAUL SOIL FROM JP-SB-64 TO D2			$0 00	$0.00	$0.00	$0 00	$0 00	0%			
2E3J08	HAUL SOIL FROM JP-SB-64 TO D7			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E3J09	HAUL SOIL FROM JP-SB-64 TO D11			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3J10	HAUL SOIL FROM JP-SB-64 TO D12			$0.00	$0 00	$0.00	$0 00	$0.00	0%			
2E3J11	HAUL SOIL FROM JP-SB-54 TO D16			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E3J12	HAUL SOIL FROM JP-SB-54 TO D15			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E3J13	HAUL SOIL FROM JP-SB-54 TO D14			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3J14	HAUL SOIL FROM JP-SB-54 TO D9B			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E3J15	HAUL SOIL FROM JP-SB-54 TO D10			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2E3J16	HAUL SOIL FROM JP-SB-54 TO D13			$0 00	$0 00	$0 00	$0 00	$0 00	0%			

WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	TARGET DEPRECIATION	TARGET CASH FLOW	YTD ACTUAL COST	ACTUAL DEPRECIATION	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	PERCENT OF ESTIMATE SPENT	REPORTED PERCENT COMPLETE	ESTIMATED VARIANCE AT COMPLETION DEPRECIATION	ESTIMATED VARIANCE AT COMPLETION CASH FLOW
2E3J17	HAUL SOIL FROM JP-SB-54 TO D68			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3J18	HAUL SHALE FROM JP-WS-19 TO D4			$0 00	$0 00	$0.00	$0.00	$0 00	0%			
2E3J19	HAUL SHALE FROM JP-WS-15 TO D1			$0.00	$0 00	$0.00	$0 00	$0 00	0%			
2E3J20	HAUL SHALE FROM JP-WS-15 TO D2			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3J21	HAUL SHALE FROM JP-WS-15 TO D7			$0.00	$0 00	$0 00	$0.00	$0 00	0%			
2E3J22	HAUL SHALE FROM JP-WS-15 TO D11			$0.00	$0 00	$0.00	$0 00	$0.00	0%			
2E3J23	HAUL SHALE FROM JP-WS-15 TO D12			$0.00	$0 00	$0 00	$0.00	$0 00	0%			
2E3J24	HAUL SHALE FROM JP-WT-02 TO D6A			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3J25	HAUL SHALE FROM JP-WT-02 TO D10			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E3J26	HAUL SHALE FROM JP-WT-02 TO D13			$0 00	$0 00	$0 00	$0.00	$0.00	0%			
2E3J27	HAUL SHALE FROM JP-WT-02 TO D14			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2E3J28	HAUL SHALE FROM JP-WT-02 TO D15			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E3J29	HAUL SHALE FROM JP-WT-02 TO D16			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
	JP COVER PLACEMENT SUBTOTAL	$0 00	$0.00	$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E3	COVER PLACEMENT CA TOTAL	$8,532 00	$1,796 00	$4,736 00	$0 00	$0 00	$0 00	$8,532.00	0%		$0 00	$0 00
CONTAM SOIL EXV												
2E4N01	HAUL CS FROM NP-CS-23/24 TO NP-OP-20			$0.00	$0 00	$0.00		$0 00	0%			
	NP CONTAMINATED SOIL SUBTOTAL	$0 00	$0 00	$0 00	$0 00	$0 00	$0 00	$0 00	0%		$0.00	$0.00
2E4S01	FM SP-SS-27/28/31/33/53 TO SP-OP-34	$162,633 00	$61,019.00	$101,614 00	$13,653 79	$86 95	$13,566 84	$148,979 21	8%			
2E4S02	DELETED			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2E4S03	DELETED			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E4S04	DELETED			$0.00	$0 00	$0 00	$0.00	$0 00	0%			
2E4S05	DELETED			$0.00	$0.00	$0.00	$0.00	$0 00	0%			
2E4S06	DELETED			$0.00	$0 00	$0.00	$0 00	$0.00	0%			
2E4S07	HAUL CS FROM SP-CS-62/32 TO SP-OP-35	$11,432 00	$3,143.00	$8,289 00	$0 00	$0 00	$0 00	$11,432 00	0%			
	SP CONTAMINATED SOIL SUBTOTAL	$174,065 00	$64,162 00	$109,903 00	$13,653 79	$86 95	$13,566 84	$160,411.21	8%		$0 00	$0 00
2E4J01	HAUL CS FROM JP-CS-36 TO JP-OP-41			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E4J02	HAUL CS FROM JP-CS-38/37 TO JP-OP-41			$0.00	$0.00	$0 00	$0.00	$0 00	0%			
2E4J03	DELETED			$0 00	$0 00	$0 00	$0.00	$0 00	0%			
2E4J04	HAUL CS FROM JP-CS-39 TO JP-OP-42			$0.00	$0.00	$0 00	$0.00	$0 00	0%			
	JP CONTAMINATED SOIL SUBTOTAL	$0 00	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00	0%		$0 00	$0.00
2E4	CONTAMINATED SOIL CA TOTAL	$174,065 00	$64,162.00	$109,903 00	$13,653 79	$86 95	$13,566 84	$160,411 21	8%		$0 00	$0 00
HIGHWALL RECLAM												
2E5N01	TRIM NP HIGHWALLS	$67,696 00	$13,864 00	$53,834 00	$0 00	$0 00	$0 00	$67,696 00	0%			
2E5N02	SCALE NP HIGHWALLS	$54,708 00	$1,031 00	$53,677.00	$0.00	$0 00	$0 00	$54,708 00	0%			
	NP HIGHWALL SUBTOTAL	$122,406 00	$14,895 00	$107,511.00	$0 00	$0.00	$0 00	$122,406 00	0%		$0 00	$0 00
2E5S01	TRIM SP HIGHWALLS	$67,696.00	$13,864.00	$53,834 00	$0.00	$0.00	$0 00	$67,696 00	0%			
2E5S02	SCALE SP HIGHWALLS	$66,312 00	$1,250 00	$65,062 00	$0 00	$0 00	$0 00	$66,312 00	0%			
	SP HIGHWALL SUBTOTAL	$134,010.00	$15,114 00	$118,896.00	$0 00	$0.00	$0.00	$134,010 00	0%		$0 00	$0 00
2E5J01	TRIM JP HIGHWALLS			$0.00	$0 00	$0 00	$0 00	$0.00	0%			
2E5J02	SCALE JP HIGHWALLS			$0.00	$0 00	$0 00	$0 00	$0 00	0%			
	JP HIGHWALL SUBTOTAL	$0 00	$0 00	$0 00	$0 00	$0.00	$0 00	$0.00	0%		$0 00	$0 00
2E5	HIGHWALL CA TOTAL	$256,416 00	$30,009 00	$226,407 00	$0 00	$0 00	$0.00	$256,416.00	0%		$0 00	$0 00
EROSION CONTROL												
2E6N01	EROSION PROTECTION ROCK			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2E6N02	RELOCATE RIO MOQUINO CHANNEL			$0 00	$0.00	$0.00	$0 00	$0.00	0%			
2E6N03	PLACE BEDDING MATERIAL			$0.00	$0 00	$0.00	$0 00	$0.00	0%			
	RIO MOQUINO AND NP DITCH SUBTOTAL	$0 00	$0.00	$0 00	$0 00	$0.00	$0.00	$0 00	0%		$0 00	$0 00
2E6X01	STRIP,QUARRY,DRILL,SHOOT ROCK			$0 00	$0.00	$0.00	$0 00	$0 00	0%			
2E6X02	PROCESS SHOT ROCK			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
	ROCK SUBTOTAL	$0 00	$0 00	$0 00	$0 00	$0 00	$0 00	$0 00	0%		$0 00	$0.00
2E6	EROSION CONTROL CA TOTAL	$0.00	$0 00	$0 00	$0 00	$0 00	$0 00	$0 00	0%		$0 00	$0 00
2E	EARTHWORK TASK TOTAL	$7,112,719.00	$1,748,523 00	$5,388,198.00	$491,451.84	$81,713 25	$409,738 59	$6,621,267.16	7%		($10,058 05)	$63,180.51

WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	TARGET DEPRECIATION	TARGET CASH FLOW	YTD ACTUAL COST	ACTUAL DEPRECIATION	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	PERCENT OF ESTIMATE SPENT	REPORTED PERCENT COMPLETE	ESTIMATED VARIANCE AT COMPLETION DEPRECIATION	ESTIMATED VARIANCE AT COMPLETION CASH FLOW
UG ENTRIES ABAN												
2S1N01	SEAL PW 2/3 UG ENTRY: NP SUBTOTAL	$317.00	$0 00	$317.00	$0 00	$0 00	$0 00	$317.00	0%			
2S1S01	SEAL P-13 ADIT	$13,316.00	$1,386 00	$11,930 00	$0 00	$0 00	$0 00	$13,316 00	0%			
2S1S02	SEAL P-10 DECLINE	$13,844 00	$2,253.00	$11,591 00	$0 00	$0 00	$0 00	$13,844.00	0%			
2S1S03	SEAL H-1 ADIT	$10,902 00		$10,902.00	$476 07	$0 00	$476.07	$10,425.93	4%			
2S1S04	SEAL VENT HOLES	$56,640 00	$15,883 00	$40,757.00	$10,709.06	$5.00	$10,704.06	$45,930.94	19%			
2S1S05	PLUG DRILL HOLES	$27,196 00		$27,196 00	$11,909 57	$0 00	$11,909 57	$15,286.43	44%			
	SP UG ENTRIES ABANDON SUBTOTAL	$121,898 00	$19,522 00	$102,376.00	$23,094 70	$5.00	$23,089.70	$98,803 30	19%		$0 00	$0 00
2S1J01	SEAL JP-SS-50 ENTRIES			$0 00	$0 00	$0.00	$0 00	$0.00	0%			
2S1J02	SEAL JP-SS-46 ENTRIES			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
	JP UG ENTRIES ABANDON SUBTOTAL	$0 00	$0.00	$0 00	$0 00	$0 00	$0 00	$0.00	0%		$0 00	$0 00
2S1	UG ENTRIES ABANDON CA TOTAL	$122,215 00	$19,522 00	$102,693 00	$23,094 70	$5.00	$23,089 70	$99,120.30	19%		$0 00	$0.00
PIT WATER												
2S2N01	DISPOSE OF NP PIT WATER	$141,666 00	$0 00	$141,666 00	$117,071 09	$118 18	$116,952 91	$24,594 91	83%			
2S2S01	DISPOSE OF SP PIT WATER	$93,920.00	$1,535 00	$92,385 00	$48,667.89	$0 00	$48,667.89	$45,252 11	52%			
2S2J01*	DISPOSE OF JP PIT WATER	$181,404.00	$16,341 00	$165,063 00	$48,721.49	$10 00	$48,711.49	$132,682 51	27%			
2S2	PIT WATER CA TOTAL	$416,990.00	$17,876 00	$399,114 00	$214,460 47	$128 18	$214,332 29	$202,529.53	51%		$0.00	$0 00
SURF STRUC DEM												
2S3N01	DEMOLISH NP SURFACE STRUCTURES	$2,947 00		$2,947.00	$1,131.73	$0 00	$1,131.73	$1,815 27	38%			
2S3S01	DEMOLISH SP SURFACE STRUCTURES	$57,896 00		$57,896.00	$33,005.94	$0 00	$33,005.94	$24,890 06	57%			
2S3J01	DEMOLISH JP SURFACE STRUCTURES	$114,986.00	$24,642 00	$90,344 00	$145.29	$21 26	$124 03	$114,840 71	0%			
2S3	SS DEMOLITION CA TOTAL	$175,829 00	$24,642 00	$151,187 00	$34,282 96	$21.26	$34,261 70	$141,546 04	19%		$0.00	$0 00
SURF STRC DECOM												
2S4XY	NOT ASSIGNED			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2S4	SS DECOM CA TOTAL	$0 00	$0 00	$0 00	$0.00	$0 00	$0 00	$0 00	0%		$0 00	$0 00
PERM STRUC												
2S5N01	CONSTRUCT PERMANENT ACCESS ROADS NP			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2S5N02	CONSTRUCT PERMANENT FENCES NP AREA	$25,853 00	$0 00	$25,853 00	$0 00	$0 00	$0 00	$25,853 00	0%			
	NP STRUCTURES SUBTOTAL	$25,853 00	$0 00	$25,853 00	$0 00	$0 00	$0 00	$25,853 00	0%		$0.00	$0 00
2S5S01	CONSTRUCT PERMANENT ACCESS ROADS SP			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2S5S02	CONSTRUCT PERMANENT FENCES SP AREA			$0 00	$0.00	$0 00	$0.00	$0 00	0%			
	SP STRUCTURES SUBTOTAL	$0 00	$0 00	$0 00	$0 00	$0 00	$0.00	$0 00	0%		$0 00	$0 00
2S5J01	CONSTRUCT PERMANENT ACCESS ROADS.SP			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2S5J02	CONSTRUCT PERMANENT FENCES SP AREA			$0 00	$0.00	$0.00	$0 00	$0 00	0%			
	JP STRUCTURES SUBTOTAL	$0 00	$0 00	$0 00	$0 00	$0 00	$0 00	$0.00	0%		$0.00	$0 00
2S5	PERMANENT STRUCTURES CA TOTAL	$25,853 00	$0 00	$25,853 00	$0 00	$0 00	$0 00	$25,853 00	0%		$0.00	$0 00
2S	STRUCTURES TASK TOTAL	$740,867.00	$62,040 00	$678,847.00	$271,838.13	$154.44	$271,683.69	$469,048 87	37%		$0.00	$0.00
SEEDBEDS												
2R1N01	PREPARE BED & SEED NP FLAT AREAS			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
2R1N02	PREPARE BED & SEED NP SLOPE AREAS			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
	NP SEEDING SUBTOTAL	$0.00	$0 00	$0 00	$0 00	$0 00	$0 00	$0.00	0%		$0 00	$0.00
2R1S01	PREPARE BED & SEED SP FLAT AREAS			$0 00	$0.00	$0 00	$0 00	$0 00	0%			
2R1S02	PREPARE BED & SEED SP SLOPE AREAS			$0 00	$0.00	$0 00	$0 00	$0.00	0%			
2R1S03	RESEED AT HOUSING AREA	$54,917 00	$0 00	$54,917.00	$0.00	$0 00	$0 00	$54,917.00	0%			
	SP SEEDING SUBTOTAL	$54,917 00	$0 00	$54,917 00	$0 00	$0 00	$0 00	$54,917.00	0%		$0 00	$0 00
2R1J01	PREPARE BED & SEED JP FLAT AREAS			$0 00	$0 00	$0.00	$0 00	$0 00	0%			
2R1J02	PREPARE BED & SEED SP SLOPE AREAS			$0 00	$0 00	$0 00	$0 00	$0 00	0%			
	JP SEEDING SUBTOTAL	$0 00	$0 00	$0 00	$0 00	$0 00	$0 00	$0.00	0%		$0.00	$0 00
2R1	SEEDING CA SUBTOTAL	$54,917 00	$0 00	$54,917 00	$0 00	$0 00	$0 00	$54,917 00	0%		$0 00	$0 00

WBS ID NO.	WORK PACKAGE DESCRIPTION	TOTAL COST ESTIMATE	TARGET DEPRECIATION	TARGET CASH FLOW	YTD ACTUAL COST	ACTUAL DEPRECIATION	ACTUAL CASH FLOW	REMAINING COST ESTIMATE	PERCENT OF ESTIMATE SPENT	REPORTED PERCENT COMPLETE	ESTIMATED VARIANCE AT COMPLETION	
											DEPRECIATION	CASH FLOW
IRRIGATION												
2R2N01	IRRIGATE NP AREA PIT SLOPES			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
2R2S01	IRRIGATE SP AREA SLOPES			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
2R2J01	IRRIGATE JP AREA SLOPES			$0 00	$0 00	$0 00	$0 00	$0.00	0%			
2R2	IRRIGATION CA SUBTOTAL	$0 00	$0.00	$0.00	$0 00	$0.00	$0 00	$0 00	0%		$0 00	$0 00
2R	REVEGETATION TASK TOTAL	$54,917.00	$0 00	$54,917.00	$0.00	$0.00	$0.00	$54,917.00	0%		$0.00	$0 00
2	CONSTRUCTION TOTAL	$9,840,712 00	$1,808,563 00	$8,032,149 00	$1,762,792 88	$82,198 53	$1,680,594 35	$8,077,919.12	18%		($10,058 05)	$83,180.51

5.2 WORK PACKAGE DISCUSSION

#	Description	Remarks
1C1	Engineering	Ongoing; final agreement with Landmark Reclamation to be finalized in February
1C1L05	Environmental Monitoring	Ongoing; Landmark Reclamation setting up some subcontracts
1L1L01	G & A	Complete as of 11/20/89; replaced with new authorization of $810,000
2M1L07	Recondition Jobsite	To be completed in February; need gravel around shop area
2M1L08	Set Up Shop	Complete; close out in February
2M2N01	Land Surveying NP Area	Ongoing with backfill operation
2E1N01	Construct NP Haul Roads	Ongoing with backfill operation
2E1N04	NP-PS-14	Using scrapers to backfill, will be done in February
2E1N11	NP-PS-13 to pit	Completed; submitted for inspection and evaluation of final volume and cost
2E1S01	Build SP Haul Roads	Work began in January, preparing for sloping and backfill in S. Paguate
2E2N05	Cut NP-WO-06 Slopes	Ongoing
2E2S02	SP-WS-1 Cut Slopes	Ongoing
2E2S04	SP-WO-14 Out Slopes	Sloping work on this waste dump will be done in February
2E2S09	SP-WO-38 Slopes	Completed in January, inspection request needed
2S1S03	Seal H-1 ADIT	ADIT Sealed; needs soil and seeding under new WP
2S1S04	Seal Vent Holes	Only two holes in Jackpile area remaining, need road work to complete those last two
2S2S01	Dewater NP	90% complete; reallocate pipe & pumps costs to SP & JP dewatering packages
2S3S01	Demolish SP	Complete except for transport of buildings to Laguna Industries (planned March, 1990)

5.3 WORK PACKAGE CLOSEOUTS

1. Work package closeouts will be included in the monthly status report as occurring. LCC will report a Work Package as complete and request an inspection. The inspection will verify completeness. The actual closeout will usually take place within sixty (60) days to allow costs in the pipeline to clear and be applied.

   In addition to verifying completeness, computations will be made to reconcile quantities. Margin is earned incrementally as work progresses but is reconciled at closeout time. Ownership credits are also incrementally made as work progresses and reconciled at closeout.

2. No closeouts to date.

3. Items submitted by LCC requesting final inspection:

WP #	Description	Remarks
2L2L01	G & A (mobilization)	Mobilization
2M1L05	Purchase Small Tools	Mobilization
2M1L06	Remodel Project Office	Mobilization
2E1N11	Relocate NP-PS-13 to pit	Need volume verification
2E1N12	Cut Slopes NP-09-19	Interim Plan
2S1N01	Seal PW-2/3 U/G ADIT	Interim Plan
2S1S03	Seal H-1 ADIT	Interim Plan
2S1S05	Plug Drill Holes	Mobilization
2S3N01	Demolish N. Paguate Structures	Mobilization

NOTE: 1) Jacobs Engineering - Final invoice has been paid and contract is complete

2) Bradbury & Stamm - RPM will closeout CMC - Interim

5.4 CHANGE ORDER SUMMARY

1. Change order and change order request information will be included in the monthly status report.

2. No change order requests have been submitted to date.

3. Anticipated change order requests for February:

   a. 2E1N11 NP-PS-13 Volume Change

6.0 PERFORMANCE MEASUREMENT

Performance measurement will consist of a variety of data. Historical data is being developed now. All data is compared to baseline data and where thresholds are exceeded, variances will be shown and variance explanations will be made.

ETCs (Estimates to Complete) are fundamental predictions and one indicator of progress. As LCC brings the project management system on line, these will be routinely computed and reported both on the Tracking Summary and in that system.

7.0 APPENDIX A: SPECIAL REPORTS/PLANS

No reports/plans for January.

APPENDIX B

DESIGN/REDESIGN CONSIDERATIONS: PRELIMINARY

The overall objective of reclamation is to ensure public health and safety by reducing releases of radioactive materials from the site. The present reclamation design does not meet this objective in certain design areas and is therefore being reevaluated. The purpose of the redesign is not only to fix the existing design flaws, but also to evaluate the most feasible and cost effective manner in which to apply potential reclamation techniques.

The areas targeted for design/redesign involve three major design features as follows:

- the 3:1 waste dump final slopes;
- rechannelization of the Rio Moquino; and
- final top dressing techniques that include depth of topsoil, spreading of topsoil, fertilization, seeding, mulching and crimping.

Waste Dump Slopes

The extreme length of the 3:1 slopes in most cases will cause rills and gullies to form. Some form of terracing must be implemented to reduce the drainage slopes. While considered necessary, a new set of concerns is created by terraces such as controlling storm runoff in a manner that retains as much moisture for vegetative growth while at the same time preventing undue erosion and piping from occurring.

Each waste pile may also have additional constraints that complicate the already difficult issue of the long 3:1 slopes. Oak canyon as shown in photo #4 of Section 2.3 is one such example. If this slope is transformed to a balanced 3:1 cut and fill slope, two initial problems are evident as follows:

- the aesthetic beauty of the existing canyon bottom will be covered and destroyed; and
- the buried pre-mining natural slope will be intersected thus requiring potential blasting effort.

The proper combination of techniques must be applied to each waste pile to satisfy its individual constraints and yet meet the overall reclamation objective.

Rio Moquino Rechannelization

The present design has not considered the overall stability of the stream in terms of its past meander pattern. The rock armored design will provide stability as long as its design storm event is not exceeded. The configuration, however, has a steeper and less stable gradient. If the rock armor is compromised for any

reason, there is no second line of defense to prevent the stream from migrating laterally into the stabilized waste piles. A redesign evaluation would attempt to define a minimum stable width for a meander path with a configuration that requires less armoring. This design would be a compromise between the existing brute force armored design and the pre-mining meander belt width.

Top Dressing Techniques

The physical engineering design cannot stand alone without a proper integration of the final top dressing techniques used to revegetate. Physical erosion controls and revegetation must compliment each other for reclamation to be successful. A thorough evaluation of the existing knowledge concerning application of these techniques as applied to the site specific conditions is essential. This approach will not only ensure successful revegetation, but will also prevent costly mistakes or wasted efforts on ineffective measures.

Summary

The WESTON design is finalizing development of an itemized list of design evaluations that will address the three major areas targeted for design/redesign. The evaluations will be categorized by generic applicability versus site specific geographical locations. Subsequently, the list of design evaluations will be prioritized as they relate to the present schedule of Work Packages. Prior to detailed design, a list of conceptual solutions will be proposed in order that a preliminary cost/benefit evaluation can be applied to the current budget and schedule. These will be submitted for approval to authorities having jurisdiction.