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To: PAM

1193-2002

9 pages (include this one)

From: PFD

Steve,

Incoming
C/O 15/015
Copy Susan

Please fax a copy to
SLC. I will be back
Friday.

Thanks,
Seth

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NOV 14 2002
DIV. OF OIL, GAS & MINING

**CONSOL ENERGY**

Emery Mine
P.O. Box 527
Emery, Utah 84522
Phone: (435) 286 - 2301

November 13, 2002

Pamela Grubaugh-Littig
Department of Natural Resources
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Response to Deficiencies For Installation of Transmission Line, Emery Deep Mine, C/015/015-02D-1 (Revisions per Phone Conversation 11/13/02)

Dear Mrs. Grubaugh-Littig:

Per the phone conversation on November 13, 2002 with Mrs. Susan White and Mr. Steven Demczak, I submit the following revisions to the Amendment for the installation of a Transmission Line at Consolidation Coal Company's Emery Mine.

- Request for revising the transmission line for raptor protection: The transmission line has been re-designed to ensure raptor protection by adding wrap around insulators anywhere that there is not 60" of clearance. This drawing (Plate IX-4) should replace the previous drawing submitted.
- Cultural Resources: The statement in Chapter X, Page 1 stating, "No cultural and historical resources listed on the National Register of Historic Plates occur in the permit area", has been deleted. This page should replace the previous page that was submitted on October 5, 2002.

If you have any question or concerns, please feel free to contact me at (435) 286-2301 or Tim Kirschbaum at (618) 625-6847.

Sincerely,

Seth McCourt
Mining Engineer

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4th East Portal Transmission Line

Map Code: identified on Plate II-3

Status: Proposed

The proposed transmission line will start at the existing substation and extend approximately 1.4 miles northeast to the 4th East Portal Site. This line will consist of two 7200 KVA line with one feeding the surface facilities and the other for underground. There will be a Communication Line on the power poles for underground to surface communications. The transmission line will require installation of approximately 38 wood, power poles at a setting depth ranging from 6.5' to 8' (depending on pole length). Raptor protection shall be installed as shown on Plate IX-4. The two corners will be provided with wrap around insulators as well as anywhere there is not 60" of clearance between phases and or grounding. During installation of the transmission line, only the area of the poles will be disturbed. Since the total area of all the poles is so small (approximately 0.002 acres total) , topsoil will not be removed. In the event that more topsoil or vegetation is disturbed, it will be reclaimed as specified in Chapter VIII.C.4.

The entire length of the transmission line is inside the approved Mine Permit Boundary (ACT /015/105). There are no current projections to extend the transmission line outside of the Mine Permit Boundary.

Areas that have been identified by Environmental Surveys as having the potential to include Environmentally Sensitive Species or Endangered Species or potential habitat for such (Appendix VIII-2, Threatened, Endangered and Sensitive Species, JBR Environmental Consultants, August 2002) have been identified in the field and will be avoided. These areas include wetland and riparian vegetation which will also be avoided. Much of the transmission line can be installed using existing dirt roads reducing the potential to area disturbance. The operator will utilize the existing roads or take the shortest overland route possible for pole placement.

A Cultural Resource Survey was performed by Montgomery Archeological Consultants in August of 2002 (Chapter X, Appendix 5-6). An area was identified and marked in the field as having historical significance. As recommended by the report, no power poles will be within 10 feet of the site and no vehicles will be allowed to cross the site.

X.A CULTURAL RESOURCES

This part presents the archeological, historical, and paleontological information in and adjacent to the permit area. This information is contained in four (4) survey reports which are appended to this part.

The first, referred to herein as "Chapter 5.0", was prepared by AERC in October of 1980. The second, referred to herein as "Appendix 5-1", was prepared by AERC in July of 1981. The third, referred to herein as "Appendix 5-2", was prepared by Michael S. Berry, Utah Division of State History, in March of 1975. The fourth survey report, Appendix 5-3, was completed by AERC in October, 1988. The site forms are attached in a fifth section, referred to as "Appendix 5-4". The fifth survey report, Appendix 5-5, was completed by Montgomery Archeological Consultants in May of 2002. This report covers 40 acres surrounding and including the 4th East Portal Site. The sixth referenced survey report, Appendix 5-6, covers the 4th East Powerline Corridor and was completed by Montgomery Archeological Consultants in August of 2002. One site identified as historically significant was marked in the field and will be avoided as recommended by Montgomery.

These survey reports have not been edited or revised for this repermit application; they were originally prepared for the March 23, 1981 permit application (approved as ACT/015/015 on January 7, 1986) and subsequent revisions and are included herein in their entirety.

UMC 783.12(b)

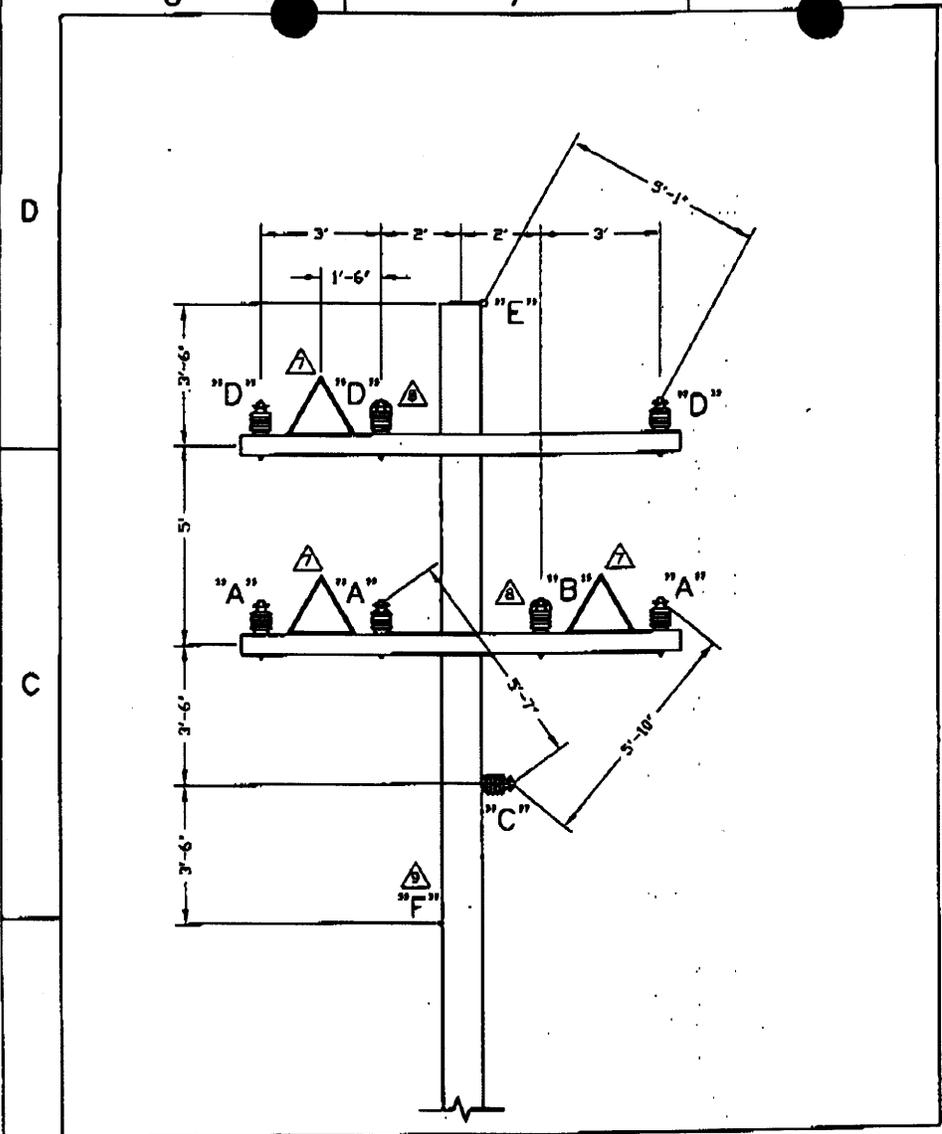
The attached investigations describe all of the known archeological sites in the permit area. A compendium is included which consolidates information on all of the sites.

UMC 783.24(i),(j),(k)

Each of the attached investigations contain maps showing the locations of known archeological sites. Plate X.A-1 combines all of these locations on a single map at a scale of 1"=500'. This plate also shows areas of surface disturbance according to the plan of operations. There are no Indian burial grounds in or within 100 feet of the permit area. There are no lands in the area which are within the boundaries of any units of the National System of Trails or the Wild and Scenic Rivers System.

UMC 784.17

There are no historic places which would be adversely affected by the operation, within or adjacent to the permit area.



CONDUCTOR AND CABLE REFERENCE LETTER	CONDUCTOR AND CABLE AWG OR kcmil
A	336.4
B	4/0
C	1/0
D	2/0
E	1/0
F	18

- NOTES:**
- SEE DRAWING E201 FOR DETERMINED BY THE C...
 - THE SPACING BETWEEN...
 - OVER NON-TRAFFIC AIR GRADE.
 - WHERE THE CONDUCTOR FROM THE LOWEST CO...
 - EACH POLE SHALL BE ENTIRE LENGTH OF THE SHALL ALSO BE CONNE POLE.
 - LIGHTNING ARRESTERS :
 - FIBERGLASS TRI...
 - RAPTOR PROTECT...
 - CABLES ARE AT
 - ALL POLES SHALL BE A MAINTAIN SPECIFIED VEF
 - POLES SHALL BE CLASS
 - MINIMUM SETTING DEPTI

1 POWER POLE DETAIL
E200 SCALE: 1/2" = 1'-0"

Post-it® Fax Note 7671 Date 11/13/02 # of pages 3

To PAM From PDD

Co./Dept. Co.

Phone # I Lied - 411st time

Fax # 3 this one

You'll have to piece this drawing.

POLE LENGTH (FEET)
45'
50'
55'
60'

APPROVED FOR CONSTRUCTION

REFERENCE DRAWINGS		REVISIONS			
NO.	DESCRIPTION	NO.	DESCRIPTION	DATE	BY
1	MODIFIED RAPTOR PROTECTION	1	MODIFIED RAPTOR PROTECTION	09/25/02	SJR
2	MODIFIED RAPTOR PROTECTION	2	MODIFIED RAPTOR PROTECTION	10/30/02	SJR
3	MODIFIED RAPTOR PROTECTION	3	MODIFIED RAPTOR PROTECTION	11/13/02	SJR
4		4			
5		5			
6		6			
7		7			
8		8			

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POLE LINE CONDUCTOR AND CABLE SCHEDULE

CONDUCTOR AND CABLE REFERENCE LETTER	CONDUCTOR AND CABLE AWG OR kcmil	NUMBER OF CONDUCTORS OR CABLES	CONDUCTOR OR CABLE TYPE
A	336.4	1	ACSR 26/7 STRANDING LINNET
B	4/0	1	ACSR 6/1 STRANDING PENCUN
C	1/0	1	ACSR 6/1 STRANDING RAVEN
D	2/0	1	ACSR 6/1 STRANDING QUAIL
E	1/0	1	ACSR 6/1 STRANDING RAVEN
F 	16	1	#16 AWG, 4 PAIRS, TYPE PLTC. INDIVIDUAL AND OVERALL SHIELDED, PVC INSULATION, PVC JACKET, 105°C, 300 VOLTS, UL, SUNLIGHT RESISTANT, SUITABLE FOR AERIAL USE ON MESSENGER, ANIXTER PART NO. 323-231-1604 OR EQUAL



NOTES:

- SEE DRAWING E201 FOR APPROXIMATE POLE LOCATIONS. THE FINAL LOCATIONS OF THE POLES ARE TO BE DETERMINED BY THE CONTRACTOR AS FIELD CONDITIONS REQUIRE.
- THE SPACING BETWEEN POLES SHALL NOT EXCEED 250 FEET.
- OVER NON-TRAFFIC AREAS A MINIMUM OF 20'-0" IS TO BE MAINTAINED FROM THE LOWEST CONDUCTOR TO GRADE.
- WHERE THE CONDUCTORS PASS OVER A ROADWAY OR TRAFFIC AREA, THE MINIMUM DISTANCE OF 30'-0" FROM THE LOWEST CONDUCTOR TO THE ROADWAY IS TO BE MAINTAINED.
- EACH POLE SHALL BE PROVIDED WITH A MINIMUM #6 AWG SOLID GROUND CONDUCTOR THAT EXTENDS THE ENTIRE LENGTH OF THE POLE, AND SHALL BE ATTACHED TO THE POLE BUTT PLATE. EACH POLE GROUND SHALL ALSO BE CONNECTED TO THE TOP GROUND/STATIC CONDUCTOR, AND METAL HARDWARE ON THE POLE.
- LIGHTNING ARRESTERS SHALL NOT BE GROUNDED TO THE ISOLATED MINE GROUND CONDUCTOR.
-  - FIBERGLASS TRIANGULAR RAPTOR PROTECTION DEVICE.
-  - RAPTOR PROTECTION DEVICE (KADDUS KE1040 OR KE1045A BIRD GUARD).
-  - CABLES ARE ATTACHED OR LASHED TO A 3/8" STAINLESS STEEL MESSENGER CABLE OR OF SELF-SUPPORTING DESIGN.
- ALL POLES SHALL BE A MINIMUM OF 45' IN LENGTH. LONGER POLES SHALL BE USED AS NECESSARY TO MAINTAIN SPECIFIED VERTICAL CLEARANCE.
- POLES SHALL BE CLASS 3 OR BETTER WOOD POLES.
- MINIMUM SETTING DEPTHS FOR POLES SHALL BE AS FOLLOWS:

POLE LENGTH (FEET)	SETTING DEPTH (FEET)
45'	6.5'
50'	7'
55'	7.5'
60'	8'

DRAWINGS	REVISIONS				CURRENT DRAWING			 CONSOLIDATION COAL COMPANY EMERY MINE EMERY, WYOM. 82801
	NO.	DESCRIPTION	DATE	BY	CHKD	DATE	SCALE	
	1	MODIFIED RAPTOR PROTECTION	09/25/02	SJR	ADB	ADB		MADE BY DATE NO. CEM. E200
	2	MODIFIED RAPTOR PROTECTION	10/30/02	SJR	ADB	ADB		
	3	MODIFIED RAPTOR PROTECTION	11/13/02	SJR	ADB	ADB		
	4						X 11/13/02	
	5							
	6							

POLE LINE CONDUCTOR AND CABLE SCHEDULE

R OF CTORS ABLES	CONDUCTOR OR CABLE TYPE	POWER LINE CIRCUIT DESCRIPTION
	ACSR 25/7 STRANDING LINNET	7.2KV MINE POWER FEEDER PHASE CONDUCTORS
	ACSR 6/1 STRANDING PENGUIN	7.2KV MINE POWER FEEDER ISOLATED MINE GROUND CONDUCTOR
	ACSR 6/1 STRANDING RAVEN	7.2KV MINE POWER FEEDER GROUND CHECK (PILOT) CONDUCTOR
	ACSR 6/1 STRANDING QUAIL	7.2KV SURFACE POWER FEEDER PHASE CONDUCTORS
	ACSR 6/1 STRANDING RAVEN	7.2KV SURFACE POWER FEEDER GROUND CONDUCTOR & STATIC CONDUCTOR
#16 AWG, 4 PAIRS, TYPE PLTC, INDIVIDUAL AND OVERALL SHIELDED, PVC INSULATION, PVC JACKET, 105°C, 300 VOLTS, UL, SUNLIGHT RESISTANT, SUITABLE FOR AERIAL USE ON MESSENGER, ANIXTER PART NO. 323-231-1604 OR EQUAL		COMMUNICATION AND CONTROL CABLE

STATE POLE LOCATIONS. THE FINAL LOCATIONS OF THE POLES ARE TO BE AS FIELD CONDITIONS REQUIRE.

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WITH A MINIMUM #6 AWG SOLID GROUND CONDUCTOR THAT EXTENDS THE AND SHALL BE ATTACHED TO THE POLE BUTT PLATE. EACH POLE GROUND THE TOP GROUND/STATIC CONDUCTOR, AND METAL HARDWARE ON THE

BE GROUNDED TO THE ISOLATED MINE GROUND CONDUCTOR.

RAPTOR PROTECTION DEVICE.

GE (KADDUS KE1049 OR KE1045A BIRD GUARD).

R LASHED TO A 3/8" STAINLESS STEEL MESSENGER CABLE OR OF SELF-SUPPORTING DESIGN.

OF 45' IN LENGTH. LONGER POLES SHALL BE USED AS NECESSARY TO

FTER WOOD POLES.

LES SHALL BE AS FOLLOWS:

DEPTH (FEET)	
6.5'	
7'	
7.5'	
8'	



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CURRENT DRAWING													
DATE	11/13/02												
BY													
CHECKED													
APPROVED													
		<p>CONSOLIDATION COAL COMPANY EMERY MINE OVERHEAD POWER LINE CONSTRUCTION DETAILS</p>											
		<p>DATE: 11/13/02</p>	<p>SHEET NO: E200</p>										
		<p>DESIGNER: JSR</p>	<p>CHECKER: JSR</p>										
		<p>TITLE: SHEET 1 OF 1</p>	<p>NO: 3</p>										

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