



An Affiliate of Cyprus Coal Company  
PO. Drawer PMC  
Price, Utah 84501  
(801) 637-2875

September 26, 1988

Mr. John Whitehead  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203

RECEIVED  
SEP 27 1988

DIVISION OF  
OIL, GAS & MINING

Re: **Revised Table 80**

Dear Mr. Whitehead:

In response to Tom Munson's memo to you dated May 30, 1988 concerning our water monitoring amendment, we offer the following:

**Item 1 of Tom's Recommendations**

Response:

To facilitate resolution of this issue for the sake of finalizing the renewal, we are willing to remove the request to drop parameters from the approved list. This means the elimination of text on page 784-82b Rev. 2/15/88 starting with the paragraph that begins with "Over the last. . .", pages 784-82c Rev. 2/15/88, 784-83, 784-84 and 784-85.

We will submit a separate request to modify our water monitoring plan which is not tied to the permit renewal. This new request will include statistical analysis of certain parameters that we believe should be dropped from the plan.

**Item 2 of Tom's Recommendations**

Response:

Table 80 has been revised to conform with Division guidelines, and with our most recent mining sequence revisions as shown on Maps 5 and 6 enclosed. Copies of Table 80 are enclosed for your review.

Respectfully,

Ben Grimes  
Sr. Environmental Engineer

AMENDMENT TO  
**APPROVED** Mining & Reclamation Plan  
Approved, Division of Oil, Gas & Mining

BG:sd

by \_\_\_\_\_ date \_\_\_\_\_

Enclosures

File: ENV 2-5-2-12  
Chrono: BG880905

Table 80

1988

GROUND AND SURFACE WATER MONITORING STATIONS WITH SCHEDULE  
WHEN BASELINE AND OPERATIONAL MONITORING WILL BE IMPLEMENTED

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>SPRINGS</b>												
S18-2					F1,O1	F2,O2	F,O	F	F,O			
494					F1,O1	F2,O2	F,O	F	F,O			
749					F1,B1	F2,B2	F,B	F	F,B			
978					F1,B1	F2,B2	F,B	F	F,B			
229					F1,B1	F2,B2	F,B	F	F,B			
238					F1,B1	F2,B2	F,B	F	F,B			
753					F1,O1	F2,O2	F,O	F	F,O			
751					F1,O1	F2,O2	F,O	F	F,O			
518					F1,B1	F2,B2	F,B	F	F,B			
S11-1					F1,O1	F2,O2	F,O	F	F,O			
530					F1,B1	F2,B2	F,B	F	F,O			
85-26-1					F1,B1	F2,B2	F,B	F	F,B			
444					F1,B1	F2,B2	F,B	F	F,B			
429					F1,B1	F2,B2	F,B	F	F,B			
S14-9					F1,O1	F2,O2	F,O	F	F,O			
748					F1,O1	F2,O2	F,O	F	F,O			
500					F1,B1	F2,B2	F,B	F	F,B			
232									F,B			
<b>STREAMS</b>												
10-1					F1,O1	F2,O2	F	F	F,O			
5-1					F1,O1	F2,O2	F	F	F,O			
36-1					F1,O1	F2,O2	F	F	F,O			
ST-1					F1,O1	F2,O2	F	F	F,O			
ST-2					F1,O1	F2,O2	F	F	F,O			
M-8					F1,B1	F2,B2	F,B	F	F,B			
34-1					F1,O1	F2,O2	F	F	F,O			
34-2					F1,O1	F2,O2	F	F	F,O			
<b>MINE FLOWS</b>												
4	F,O			F,O			F,O			F,O		
6	F,O			F,O			F,O			F,O		
12	F,O			F,O			F,O			F,O		
<b>WELLS</b>												
86-26-4					W1	W2	W	W	W			
86-26-6					W1	W2	W	W	W			
86-18-2					W1	W2	W	W	W			
P86-01-TD	W			W			W				W	
P86-02-HD	W			W			W				W	
P86-03-WD	W			W			W				W	
85-35-1					F1,O1	F2,O2	F,O	F	F,O			
86-35-2-3					F1,O1	F2,O2	F,O	F	F,O			

**KEY**

F=FIELD MEASUREMENTS AS PER TABLES 81 & 82  
 B=BASELINE QUALITY SAMPLING AS PER TABLE 82  
 O=OPERATIONAL QUALITY SAMPLING AS PER TABLE 81

W=WATER LEVEL  
 1=IF WEATHER PERMITS  
 2=IF NOT DONE IN PREVIOUS MONTH

Table 80  
 1989  
 GROUND AND SURFACE WATER MONITORING STATIONS WITH SCHEDULE  
 WHEN BASELINE AND OPERATIONAL MONITORING WILL BE IMPLEMENTED

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>SPRINGS</b>												
S18-2					F1,01	F2,02	F,O	F	F,O			
494					F1,01	F2,02	F,O	F	F,O			
749					F1	F2	F	F	F			
978					F1,01	F2,02	F,O	F	F,O			
229					F1,01	F2,02	F,O	F	F,O			
238					F1,B1	F2,B2	F,B	F	F,B			
753					F1,01	F2,02	F,O	F	F,O			
751					F1,01	F2,02	F,O	F	F,O			
518					F1,B1	F2,B2	F,O	F	F,O			
S11-1					F1,01	F2,02	F,O	F	F,O			
530					F1,01	F2,02	F,O	F	F,O			
85-26-1					F1	F2	F	F	F			
444					F1,B1	F2,B2	F,B	F	F,B			
429					F1,B1	F2,B2	F,B	F	F,B			
S14-9					F1	F2	F	F	F			
748					F1,01	F2,02	F,O	F	F,O			
500					F1,01	F2,02	F,O	F	F,O			
232					F1,B1	F2,B2	F,B	F	F,B			
<b>STREAMS</b>												
10-1					F1,01	F2,02	F	F	F,O			
5-1					F1,01	F2,02	F	F	F,O			
36-1					F1,01	F2,02	F	F	F,O			
ST-1					F1,01	F2,02	F	F	F,O			
ST-2					F1,01	F2,02	F	F	F,O			
M-8					F1,B1	F2,B2	F,B	F	F,B			
34-1					F1,01	F2,02	F	F	F,O			
34-2					F1,01	F2,02	F	F	F,O			
<b>MINE FLOWS</b>												
4	F,O			F,O			F,O			F,O		
6	F,O			F,O			F,O			F,O		
12	F,O			F,O			F,O			F,O		
<b>WELLS</b>												
86-26-4					W1	W2	W	W	W			
86-26-6					W1	W2	W	W	W			
86-18-2					W1	W2	W	W	W			
P86-01-TD	W			W			W				W	
P86-02-HD	W			W			W				W	
P86-03-WD	W			W			W				W	
85-35-1					F1,01	F2,02	F,O	F	F,O			
86-35-2-3					F1,01	F2,02	F,O	F	F,O			

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Table 80  
 GROUND AND SURFACE WATER MONITORING STATIONS WITH SCHEDULE  
 WHEN BASELINE AND OPERATIONAL MONITORING WILL BE IMPLEMENTED

1990

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>SPRINGS</b>												
S18-2					F1,01	F2,02	F,O	F	F,O			
494					F1,01	F2,02	F,O	F	F,O			
749					F1	F2	F	F	F			
978					F1,01	F2,02	F,O	F	F,O			
229					F1,01	F2,02	F,O	F	F,O			
238					F1,01	F2,02	F,O	F	F,O			
753					F1,01	F2,02	F,O	F	F,O			
751					F1,01	F2,02	F,O	F	F,O			
518					F1,01	F2,02	F,O	F	F,O			
S11-1					F1,01	F2,02	F,O	F	F,O			
530					F1,01	F2,02	F,O	F	F,O			
85-26-1					F1	F2	F	F	F			
444					F1	F2	F	F	F			
429					F1	F2	F	F	F			
S14-9					F1	F2	F	F	F			
748					F1,01	F2,02	F,O	F	F,O			
500					F1,01	F2,02	F,O	F	F,O			
232					F1,B1	F2,B2	F,B	F	F,B			
<b>STREAMS</b>												
10-1					F1,01	F2,02	F	F	F,O			
5-1					F1,01	F2,02	F	F	F,O			
36-1					F1,01	F2,02	F	F	F,O			
ST-1					F1,01	F2,02	F	F	F,O			
ST-2					F1,01	F2,02	F	F	F,O			
M-8					F1,01	F2,02	F,O	F	F,O			
34-1					F1,01	F2,02	F	F	F,O			
34-2					F1,01	F2,02	F	F	F,O			
<b>MINE FLOWS</b>												
4	F,O			F,O			F,O			F,O		
6	F,O			F,O			F,O			F,O		
12	F,O			F,O			F,O			F,O		
<b>WELLS</b>												
86-26-4					W1	W2	W	W	W			
86-26-6					W1	W2	W	W	W			
86-18-2					W1	W2	W	W	W			
P86-01-TD	W			W			W				W	
P86-02-HD	W			W			W				W	
P86-03-WD	W			W			W				W	
85-35-1					F1,01	F2,02	F,O	F	F,O			
86-35-2-3					F1,01	F2,02	F,O	F	F,O			

KEY

F=FIELD MEASUREMENTS AS PER TABLES 81 & 82  
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Table 80

1991 YEAR PRIOR TO PERMIT RENEWAL

GROUND AND SURFACE WATER MONITORING STATIONS WITH SCHEDULE  
WHEN BASELINE AND OPERATIONAL MONITORING WILL BE IMPLEMENTED

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
<b>SPRINGS</b>												
S18-2					F1, O1	F2, O2	F, O	F	F, B			
494					F1, O1	F2, O2	F, O	F	F, B			
749					F1	F2	F	F	F, B			
978					F1, O1	F2, O2	F, O	F	F, B			
229					F1, O1	F2, O2	F, O	F	F, B			
238					F1, O1	F2, O2	F, O	F	F, B			
753					F1, O1	F2, O2	F, O	F	F, B			
751					F1, O1	F2, O2	F, O	F	F, B			
518					F1, O1	F2, O2	F, O	F	F, B			
S11-1					F1, O1	F2, O2	F, O	F	F, B			
530					F1, O1	F2, O2	F, O	F	F, B			
85-26-1					F1	F2	F	F	F, B			
444					F1	F2	F	F	F, B			
429					F1, O1	F2, O2	F, O	F	F, B			
S14-9					F1	F2	F	F	F, B			
748					F1, O1	F2, O2	F, O	F	F, B			
500					F1, O1	F2, O2	F, O	F	F, B			
232					F1, O1	F2, O2	F, O	F	F, B			
424					F1, B1	F2, B2	F, B	F	F, B			
<b>STREAMS</b>												
10-1					F1, O1	F2, O2	F	F	F, B			
5-1					F1, O1	F2, O2	F	F	F, B			
36-1					F1, O1	F2, O2	F	F	F, B			
ST-1					F1, O1	F2, O2	F	F	F, B			
ST-2					F1, O1	F2, O2	F	F	F, B			
M-8					F1, O1	F2, O2	F, O	F	F, B			
34-1					F1, O1	F2, O2	F	F	F, B			
34-2					F1, O1	F2, O2	F	F	F, B			
<b>MINE FLOWS</b>												
4	F, O			F, O			F, O			F, B		
6	F, O			F, O			F, O			F, B		
12	F, O			F, O			F, O			F, B		
<b>WELLS</b>												
86-26-4					W1	W2	W	W	W			
86-26-6					W1	W2	W	W	W			
86-18-2					W1	W2	W	W	W			
P86-01-TD	W			W			W			W		
P86-02-HD	W			W			W			W		
P86-03-WD	W			W			W			W		
85-35-1					F1, O1	F2, O2	F, O	F	F, B			
86-35-2-3					F1, O1	F2, O2	F, O	F	F, B			

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