



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 3, 1988

Mr. Peter A. Rutledge, Chief
Division of Federal Programs
Western Field Operations
Office of Surface Mining
Brooks Towers, 1020 15th Street
Denver, Colorado 80202

Dear Mr. Rutledge:

Re: Final Approval, Water Monitoring Amendment, Cyprus-Plateau
Mining Company, Starpoint Mine, ACT/007/006-88A, Folder #2,
Carbon County, Utah

Enclosed is one (1) copy of Cyprus-Plateau Mining Company's response for a Water Monitoring Amendment for the Starpoint Mine in Carbon County, Utah. This material should be used to update your file copy of the approved water monitoring amendment for this mine.

The Division approved this permit change on September 30, 1988. If you have any questions or need further information, please contact me or Tom Munson, Reclamation Hydrologist, at your earliest convenience.

Sincerely,

John J. Whitehead
Permit Supervisor/
Reclamation Hydrologist

djh
Attachments
cc: J. Helfrich
T. Munson
WP+15-39



An Affiliate of Cyprus Coal Company
P.O. 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

BG:sd

Enclosures

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

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

T. Munson date 9/30/88

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
SPRINGS												
S18-2					F1,01	F2,02	F,O	F	F,O			
494					F1,01	F2,02	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					F1,01	F2,02	F,O	F	F,O			
751					F1,01	F2,02	F,O	F	F,O			
518					F1,B1	F2,B2	F,B	F	F,B			
S11-1					F1,01	F2,02	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					F1,01	F2,02	F,O	F	F,O			
748					F1,01	F2,02	F,O	F	F,O			
500					F1,B1	F2,B2	F,B	F	F,B			
232									F,B			
STREAMS												
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			
MINE FLOWS												
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		
WELLS												
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
 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
SPRINGS												
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			
STREAMS												
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			
MINE FLOWS												
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		
WELLS												
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

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1=IF WEATHER PERMITS

2=IF NOT DONE IN PREVIOUS MONTH

REV. 9-88

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
SPRINGS												
S18-2					F1, O1	F2, O2	F, O	F	F, O			
494					F1, O1	F2, O2	F, O	F	F, O			
749					F1	F2	F	F	F			
978					F1, O1	F2, O2	F, O	F	F, O			
229					F1, O1	F2, O2	F, O	F	F, O			
238					F1, O1	F2, O2	F, O	F	F, O			
753					F1, O1	F2, O2	F, O	F	F, O			
751					F1, O1	F2, O2	F, O	F	F, O			
518					F1, O1	F2, O2	F, O	F	F, O			
S11-1					F1, O1	F2, O2	F, O	F	F, O			
530					F1, O1	F2, O2	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, O1	F2, O2	F, O	F	F, O			
500					F1, O1	F2, O2	F, O	F	F, O			
232					F1, B1	F2, B2	F, B	F	F, B			
STREAMS												
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, O1	F2, O2	F, O	F	F, O			
34-1					F1, O1	F2, O2	F	F	F, O			
34-2					F1, O1	F2, O2	F	F	F, O			
MINE FLOWS												
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		
WELLS												
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			

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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
SPRINGS												
S18-2					F1,01	F2,02	F,O	F	F,B			
494					F1,01	F2,02	F,O	F	F,B			
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238					F1,01	F2,02	F,O	F	F,B			
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S11-1					F1,01	F2,02	F,O	F	F,B			
530					F1,01	F2,02	F,O	F	F,B			
85-26-1					F1	F2	F	F	F,B			
444					F1	F2	F	F	F,B			
429					F1,01	F2,02	F,O	F	F,B			
S14-9					F1	F2	F	F	F,B			
748					F1,01	F2,02	F,O	F	F,B			
500					F1,01	F2,02	F,O	F	F,B			
232					F1,01	F2,02	F,O	F	F,B			
424					F1,B1	F2,B2	F,B	F	F,B			
STREAMS												
10-1					F1,01	F2,02	F	F	F,B			
5-1					F1,01	F2,02	F	F	F,B			
36-1					F1,01	F2,02	F	F	F,B			
ST-1					F1,01	F2,02	F	F	F,B			
ST-2					F1,01	F2,02	F	F	F,B			
M-8					F1,01	F2,02	F,O	F	F,B			
34-1					F1,01	F2,02	F	F	F,B			
34-2					F1,01	F2,02	F	F	F,B			
MINE FLOWS												
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		
WELLS												
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,B			
86-35-2-3					F1,01	F2,02	F,O	F	F,B			

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Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 3, 1988

Mr. Robert Hagen, Director
Office of Surface Mining
Reclamation and Enforcement
Albuquerque Field Office
Suite 310, Silver Square
625 Silver Avenue, S. W.
Albuquerque, New Mexico 87102

Dear Mr. Hagen:

Re: Final Approval, Water Monitoring Amendment, Cyprus-Plateau
Mining Company, Starpoint Mine, ACT/007/006-88A, Folder #2,
Carbon County, Utah

Enclosed is one (1) copy of Cyprus-Plateau Mining Company's response for a Water Monitoring Amendment for the Starpoint Mine in Carbon County, Utah. This material should be used to update your file copy of the approved water monitoring amendment for this mine.

The Division approved this permit change on September 30, 1988. If you have any questions or need further information, please contact me or Tom Munson, Reclamation Hydrologist, at your earliest convenience.

Sincerely,

A handwritten signature in cursive script that reads "John J. Whitehead".

John J. Whitehead
Permit Supervisor/
Reclamation Hydrologist

djh
Attachments
cc: J. Helfrich
T. Munson
WP+15-40



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
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Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 3, 1988

Mr. George Morris
Forest Supervisor
U.S. Forest Service
Manti-LaSal National Forest
599 West Price River Road
Price, Utah 84501

Dear Mr. Morris:

Re: Final Approval, Water Monitoring Amendment, Cyprus-Plateau
- Mining Company, Starpoint Mine, ACT/007/006-88A, Folder #2,
Carbon County, Utah

Enclosed are two (2) copies of Cyprus-Plateau Mining Company's response for a Water Monitoring Amendment for the Starpoint Mine in Carbon County, Utah. This material should be used to update your file copy of the approved water monitoring amendment for this mine.

The Division approved this permit change on September 30, 1988. If you have any questions or need further information, please contact me or Tom Munson, Reclamation Hydrologist, at your earliest convenience.

Sincerely,

John J. Whitehead
Permit Supervisor/
Reclamation Hydrologist

djh
Attachments
cc: J. Helfrich
T. Munson
WP+15-41