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Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
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November 28, 1979

Mr. Steve Rigby
Mine Engineer
UNC Plateau Mining
P.O. Box PMC
Price, Utah 84501

RE: Sizing of Conveyor Fill Culvert
Starpoint Mines
Plateau Mining Company
ACT/007/006

Dear Steve:

The Division staff has finished review of the sizing of the conveyor fill culvert. The culvert is found to be sized to handle flows greater than required by the regulations.

Plateau is encouraged to work with the Division on any such future improvements to the surface facility.

If there are any questions, please do not hesitate to call.

Sincerely,

THOMAS J. SUCHOSKI
RECLAMATION HYDROLOGIST

cc: Don Crane, O.S.M.

TJS/te

Perm of Temp

E 168805
33087
32680

UTAH DIVISION OF OIL, GAS, AND MINING
INSPECTION CHECKLIST FOR
INTERIM REGULATION PERIOD
UNDERGROUND COAL MINE

MINING COMPANY: Plataea Mining Company

MINE NAME: Starpoint

FILE NUMBER: ACT/007/006

COUNTY: Carbon

DATE: 11/16/79

TIME: 12:00

WEATHER: Fair

MILEAGE: Begin: _____ End: _____ Total: _____

MINING COMPANY REPRESENTATIVES: Steve Rigby

STATE OFFICIALS: MAN, Joe, Tom

OFFICE OF SURFACE MINING OFFICIALS: None

OTHERS PRESENT: None

COMMENTS: Violation on drainage of roads & approval
of diversions

SIGNATURE: Thomas J. Puchosh

UTAH DIVISION OF OIL, GAS, AND MINING
INSPECTION CHECKLIST FOR
INTERIM REGULATION PERIOD
UNDERGROUND COAL MINE

APPLICABLE VIOLATIONS ARE CIRCLED

MC-717.11	<u>General Obligations.</u>			
VIOLATION	Is there a copy of the Mining and Reclamation Plan at or near the mine site?	<input checked="" type="radio"/>	yes	no
MC-717.12	<u>Signs and Markers.</u>			
VIOLATION	Are signs displayed at all access points to permit area from public highways?	<input type="radio"/>	yes	<input checked="" type="radio"/>
VIOLATION	Do signs show name, business address, telephone number of permittee and appropriate identification and permit numbers?	<input checked="" type="radio"/>	yes	no
MC-717.13	<u>Reserved</u>			
MC-717.14	<u>Backfilling and grading of road cuts, mine entry area cuts, and other surface work areas.</u>			
	<u>Note:</u> THIS SECTION APPLIES TO RECLAIMED AREAS UPON TERMINATION OF MINING AND TO FINAL CUTS, FILLS, ETC. OF OPERATING MINES THAT ARE NOT TO BE REWORKED UPON TERMINATION OF MINING.			
VIOLATION	a. Are affected areas regraded to approximate original contour?	<input type="radio"/>	yes	no <input checked="" type="radio"/>
VIOLATION	Is stability and the prevention of leaching of toxic pollutants assured?	<input type="radio"/>	yes	<input checked="" type="radio"/> no <input checked="" type="radio"/>
VIOLATION	1. Are earth, rock, and mineral nonwaste materials retained on the solid portions of benches or at the site of the faceup if additional working space is needed? (1.5 static safety factor and less than the angle of repose)	<input checked="" type="radio"/>	yes	no NA
VIOLATION	2. Are highwalls along roads, faceups, etc, backfilled and graded to the most moderate slope possible so as to eliminate the highwalls?	<input checked="" type="radio"/>	yes	no NA
VIOLATION	b. If cut-and-fill terraces are used, have they been approved and do they meet the requirements?	<input checked="" type="radio"/>	yes	no NA
VIOLATION	c. If the slopes are over 20 degrees, has material been placed on the down slope below road cuts, mine workings, etc. other than in conformance of Part 717.14(a)(1) - place on the downslope at the faceup when additional working space is needed?	<input checked="" type="radio"/>	yes	no NA

Inspection Checklist
Page Two

- VIOLATION d. Are rills or gullies deeper than 9 inches present on regraded areas that do not have established vegetation? yes no NA
- VIOLATION e. Are acid-forming, toxic-forming, combustibile materials, or other waste materials covered with a minimum of 4 feet of nontoxic and noncombustible material? yes no NA
- VIOLATION Are acid-forming or toxic-forming materials buried, or stored close to a water course so as to pose a water pollution threat, or in violation of Part 717? yes no NA
- VIOLATION f. Was final grading before the placement of topsoil and during the placement of topsoil done along the contour if it could be done safely? yes no NA
- VIOLATION Was the placement, grading, and preparation done in such a manner that minimizes erosion and minimizes soil slippage? yes no NA

MC-717.15 Disposal of excess rock and earth materials on surface areas.

Note: SPOIL AND WASTE DEPOSITED ON THE SURFACE MUST BE IN COMPLIANCE WITH PART 715.15. THESE REQUIREMENTS MAY BE MODIFIED BY STATE IF AMOUNT IS SMALL AND POSES NO THREAT.

MC-715.15 (a) Disposal of spoil in other than valley or head-of-hollow fills.

- VIOLATION Is spoil deposited in a controlled (engineered) manner designed and certified in an approved site within the permit area? yes no NA
- VIOLATION Is organic material and topsoil removed prior to deposition? yes no NA
- VIOLATION Is material concurrently compacted as necessary to ensure mass stability and prevent mass movement? yes no NA
- VIOLATION Are certified reports being submitted after engineer's inspection? yes no NA

MC-715.15 (b) Disposal of spoil in valley or head-of-hollow fills. *No report submitted*

Note: WASTE CANNOT BE DEPOSITED IN VALLEY OR HEAD-OF-HOLLOW FILLS. IF ANY PORTION OF DISPOSAL FILL ENCROACHES UPON ANY NATURAL DRAINAGE CHANNEL, THE ENTIRE FILL IS CLASSIFIED AS A VALLEY OR HEAD-OF-HOLLOW FILL.

- VIOLATION Is spoil disposed of at an approved site in a controlled manner, concurrently compacted, within the permit area? yes no NA
- VIOLATION Is organic material and topsoil removed prior to deposition? yes no NA

VIOLATION	Does the fill have an underdrain system?	yes	no	NA
VIOLATION	Is the spoil disposed of by approved methods?	yes	no	NA
VIOLATION	Does the spoil fill meet the approved design?	yes	no	NA
VIOLATION	Are certified inspection reports submitted by a certified engineer during critical construction periods or at least quarterly?	yes	no	NA
MC-717.16	<u>Reserved</u>			
MC-717.17	<u>Protection of the hydrologic system.</u>			
VIOLATION	a. Does the runoff from the disturbed area pass through a sedimentation pond?	yes	no	NA
VIOLATION	If a sedimentation pond exists, is it approved by the regulatory authority?	yes	no	NA
VIOLATION	Does discharge from the disturbed area appear to meet applicable O.S.M., State, and EPA regulations?	yes	no	NA
	<u>Note:</u> TAKE A SAMPLE FOR ANALYSIS.			
VIOLATION	b. Is there a surface water monitoring program?	yes	no	NA
VIOLATION	If there is a monitoring program is it approved by the regulatory authority?	yes	no	NA
VIOLATION	c. Are diversion structures used at the site?	yes	no	NA
* VIOLATION	Are the diversions approved by the regulatory authority?	yes	no	NA
VIOLATION	Are the diversions designed, constructed, and maintained so as to prevent additional contributions of suspended solids to streamflow or runoff outside the permit area?	yes	no	NA
VIOLATION	d. Are stream channels diverted?	yes	no	NA
VIOLATION	Is the diversion approved and does it meet the requirements of Part 715.17(d)?	yes	no	NA
	e. <u>Note:</u> THE PUBLISHED SEDIMENT POND DESIGN CONSTRUCTION STANDARDS ARE NOT IN EFFECT.			
VIOLATION	Do(es) the pond(s) pose an imminent danger to health or safety of the public or a significant imminent environmental harm to land, air or water resources?	yes	no	NA
VIOLATION	f. Are discharges from the pond(s) controlled where necessary to reduce erosion and prevent deepening or enlargement of stream channels and to minimize disturbances to the hydrologic balance?	yes	no	NA

Have never seen any runoff.

VIOLATION	Is there an NPDES discharge permit for the sediment pond discharge?	yes	no	NA
VIOLATION	g. Is there drainage to ground or surface waters from acid-forming or toxic-forming materials?	yes	no	NA
VIOLATION	If there is such drainage is it properly controlled?	yes	no	NA
VIOLATION	h. Is there a groundwater monitoring program?	yes	no	NA
VIOLATION	If there is a monitoring program is it approved by the regulatory authority?	yes	no	NA
	i. N/A			
VIOLATION	j. Are roads and associated facilities constructed, maintained, and reclaimed so as to prevent additional contributions of suspended solids to streamflow or runoff outside the permit area?	yes	no	NA
VIOLATION	Do roads meet construction, grade, drainage, and maintenance requirements? If not, specify.	yes	no	NA
VIOLATION	k. Are transport facilities other than roads constructed, maintained, and reclaimed so as to prevent additional contributions of suspended solids to streamflow or runoff outside the permit area?	yes	no	NA
VIOLATION	1. Is surface or groundwater discharged or diverted into mine workings?	yes	no	NA

MC-717.18 Dams constructed of waste material.

Note: JUDGE FLANNERY'S FEBRUARY 3, 1978 DECISION STATES THAT THESE REGULATIONS APPLY ONLY TO DAMS CONSTRUCTED PARTIALLY OR WHOLLY OF WASTE. "WASTE" IS DEFINED IN PART 710.15.

VIOLATION	a. Are all dams that contain waste approved by the regulatory authority?	yes	no	NA
VIOLATION	b. Do the dams meet the approved design requirements?	yes	no	NA
VIOLATION	Have the dams been periodically inspected during construction and certified by a registered professional engineer?	yes	no	NA
VIOLATION	Have the dams been annually certified?	yes	no	NA

MC-717.19 Reserved

MC-717.20 Topsoil handling and revegetation.

VIOLATION	a. Has topsoil and/or surficial unconsolidated material been separated, stockpiled, and properly protected?	yes	no	NA
VIOLATION	Have disturbed areas, which are no longer required for the conduct of mining, been reclaimed?	yes	no	NA
VIOLATION	b. Are all reclaimed areas properly revegetated?	yes	no	NA

ACT/007/006

November 14, 1979

Inspection Memo
to Coal File:

RE: Revegetation Technical Tour

Office of Surface Mining technical personnel, Rocky Beavers and Mark Humphreys, accompanied Mary Ann Wright and Doug Stewart of the Division on a tour of the coal mines of Utah. On October 25 and 26th, the following were observed:

Convulsion Canyon Mine, SUFCO
Knight Mine, Coal Search Corporation
J.B. King, Western States Coal
Revegetation Test Plots, Emery Area
Church Mine, Utah Power & Light
Deer Creek, Utah Power & Light
Co-op Mine, Co-op Mining Company
Starpoint Mine, Plateau Mining Company
Braztah Mine, American Electric Power

MARY ANN WRIGHT *MAW*
RECLAMATION BIOLOGIST

Statistics: Vehicle: EX 60237
Miles: 568
2 persons x 2 days, 2 hours @ \$69.33/person = \$138.66

MAW/te

File ACT/007/006

Culvert Peak Flow

JOB IDENTIFICATION

1 PL/ATEAU - CONVEYOR FILL
CURVE, CONC, AREA, DURATION, RAINFALL, DIST, R
P >75,0.341,0.121,24,2.9,2
INPUT FOR :PL ATEAU- CONVEYOR FILL

STORM :

DIST= FARMER-FLETC
DEPTH= 2.90 INCHES

WATERSHED :

AREA= .12 SQ MI
CN= 75.00

DURATION= 24.00 HRS

TIME CONC= .341 HRS

NUMBER OF LINES 544

INPUT FORMAT:1=SHORT,2=LONG

P >1

System warning - Max time

OUTPUT SUMMARY

RUNOFF DEPTH .89601 INCHES

INITIAL ABSTR .66667 INCHES

PEAK FLOW= 9.89 CFS (.12662 IPH)

AT TIME 4.810 HRS

VOLUME CHECK .89780 INCHES

Culvert Program Formats

Watershed?

Plateau - Conveyor Hill

Curve Number?

75

$\gamma = 32.9\%$

Time of Concentration (hr)?

$S = 3.33$

0.341

$L = 4250'$

Area (sq. mi.)?

0.121

Duration of Storm (hr)?

50yr-24hr

Rainfall depth (in)?

2.90

Distribution type (1=SSS, 2=Farmer-Fletcher)?

2

Peak discharge?

$q_p = \underline{9.89}$

CFS

Culvert

Sizing = 24 in

Volume?

$Q = \underline{0.8978}$ in

November 9, 1979

Inspection Memo
to Coal File:

RE: O.S.M. Technical Staff Trip

Upon the invitation of the Division members of O.S.M., Region V's technical review staff toured selected coal mines during the week of August 27, 1979. Mines and exploration activities viewed were as follows:

Valley Camp - Utah #2 Loadout
Valley Camp - Belina #1 Mine
Coastal States - Exploration activities
Swisher - CV Spur
Soldier Creek - Soldier Creek Mine
Kaiser Steel - Sunnyside Mine
U.S. Steel - Geneva Mine
B.L.M. Tour of abandoned drill sites - Bookcliffs
Plateau - Star Point Mine from gate
Utah Power & Light - Deer Creek Mine
Swisher - Number 4 Mine
Utah Power & Light - Church Mine
Utah Power & Light - Wilberg Mine
Fetterolf Group - Trail Mountain Mine
Utah Power & Light - Proposed Cottonwood Portal
Consol - Emery Deep Mine
SUFCO - Convulsion Canyon Mine
Crawford's Property above the Wilberg Mine

K. MICHAEL THOMPSON
ENGINEERING GEOLOGIST

xmy

Statistics:

Vehicle # EX 68804 (Aug. 27 & 28) 513 Miles
Vehicle # EX 68805 (Aug. 30 & 31) 307 Miles
Vehicle # EX 237 (Aug. 29, 30 & 31) 580 Miles
Total 900 Miles

Per Diem

K. Michael Thompson	\$160.00
Mary Ann Wright	\$ 73.21
Thomas J. Suchoski	\$ 63.72
James W. Smith	\$ 29.27
Ronald W. Daniels	\$ 29.27
Denise A. Dragoo	\$ 29.27
Total Per Diem	\$384.74

cc: O.S.M., Region V

KMT/te