

ATTACHMENT E

INSPECTION FORMS:

Annual Impoundment Inspection Report

Annual MSHA Report

Monthly MSHA Report

1985 Dames & Moore's Inspection Checklist

Page 1 of 1

*NOTE: SEE BM-PAP CHAPTER 6, DRAWING NO. 85406 for REMEDIAL WORK CONSTRUCTION SCHEDULE.
ELEVATIONS SURVEYED UTILIZING GLOBAL POSITIONING SURVEYING (GPS) TECHNIQUES

PEABODY WESTERN COAL COMPANY

P.O. Box 605

Kayenta, Arizona 86033

Telephone (520) 677-3201

Date: _____

District Manager
Mine Safety and Health Administration
Post Office Box 25367, DFC
Denver, Colorado 80225

RE: Annual Report per 30 CFR 77.216-4

ID No: _____

Other: _____

Mine: _____

Gentlemen:

In accordance with 30 CFR 77.261-4, the following status report at the above site during the period _____ to _____ is submitted:

STATUS

- | | |
|----------------------------|-------|
| 1. Geometry | _____ |
| 2. Instrumentation | _____ |
| 3. Current Water Elevation | _____ |
| 4. Storage Capacity | _____ |
| 5. Water Volume | _____ |
| 6. Stability | _____ |
| 7. Spillway Elevation | _____ |
| 8. Other | _____ |

ENGINEER'S CERTIFICATE

All work at the above site during the period _____ to _____ was performed in accordance with the approved plan to the best of my knowledge and belief.

By:
Peabody Western Coal Company

MONTHLY KAYENTA MINE VISUAL INSPECTION REPORT
WATER, SEDIMENT, OR SLURRY IMPOUNDING STRUCTURES
(MSHA 30CFR77.216-3)

STRUCTURE NO. _____

DATE _____

STRUCTURE NAME _____

STRUCTURE OWNER _____

SIGN IN PLACE

1. CONDITION OF UPSTREAM (LAKESIDE) SLOPE OF DAM

Grass cover or riprap	
Erosion	
Drift and debris	
Animal burrows	
Slumps, slides, cracks	

2. CONDITION OF DOWNSTREAM SLOPE OF DAM

Grass cover	
Erosion	
Seepage, soft spots, boils	
Animal burrows	
Slumps, slides, cracks	
Drains	
Top ditch and area beyond	

3. CONDITION OF CROWN (TOP) OF DAM

Grass cover	
Animal burrows	
Erosion, cracks, depressions, uplifting	
Overtopping	

4. CONDITION OF PRINCIPAL SPILLWAY OR OUTLET

Type	
Description	

5. CONDITION OF EMERGENCY SPILLWAY OR OUTLET

Type	
Description	

6. ABUTMENTS

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7. GENERAL COMMENTS

Inspected by _____

Owner Official _____

Title _____

Title _____

Date _____

Date _____

* If this is a changed condition from previous week,
so indicate with a red X.

PEABODY COAL COMPANY

Arizona Division

GENERAL DATA SHEET AND VISUAL INSPECTION CHECKLIST

Name of Sediment Impoundment:

Name of Inspectors:

Date

Geotechnical ☐

Hydrology ☐

Hydraulic ☐

Remedial Geotechnical Action Required

Remedial Hydrological Action Required

No

Yes

☐☐☐☐

Dames & Moore

10139-011-22

INSPECTION CHECK LIST

ITEM	YES	NO	REMARKS
1. CREST			
a. Any visual settlements?			
b. Misalignment?			
c. Cracking?			
2. UPSTREAM SLOPE			
a. Adequate grass cover?			
b. Any erosion?			
c. Are trees growing on slope?			
d. Longitudinal cracks?			
e. Transverse cracks?			
f. Adequate riprap protection?			
g. Any stone deterioration?			
h. Visual depressions or bulges?			
i. Visual settlements?			
j. Animal burrows?			
3. DOWNSTREAM SLOPE			
a. Adequate grass cover?			
b. Any erosion?			
c. Are trees growing on slope?			
d. Longitudinal cracks?			
e. Transverse cracks?			
f. Visual depressions or bulges?			
g. Visual settlements?			
h. Is the toe drain dry?			
i. Are the relief wells flowing?			
j. Are boils present at the toe?			
k. Is seepage present?			
l. Animal burrows?			
4. ABUTMENT CONTACT. RIGHT			
a. Any erosion?			
b. Visual differential movement?			
c. Any cracks noted?			
d. Is seepage present?			
e. Type of Material?			
5. ABUTMENT CONTACT. LEFT			
a. Any erosion?			
b. Visual differential movement?			
c. Any cracks noted?			
d. Is seepage present?			
e. Type of Material?			

ITEM	YES	NO	REMARKS
6. SPILLWAY/NORMAL			
a. Location:			
Left abutment?			
Right abutment?			
Crest of Embankments?			
b. Approach Channel:			
Are side slopes eroding?			
Are side slopes sloughing?			
Bottom of channel eroding?			
Obstructed?			
Erosion protection?			
c. Spillway Channel:			
Are side slopes eroding?			
Are side slopes sloughing?			
Bottom of channel eroding?			
Obstructed?			
Erosion protection?			
d. Outflow Channel:			
Are side slopes eroding?			
Are side slopes sloughing?			
Bottom of channel eroding?			
Obstructed?			
Erosion protection?			
e. Weir:			
Condition?			
7. SPILLWAY/EMERGENCY			
a. Location:			
Left abutment?			
Right abutment?			
Crest of Embankments?			
b. Approach Channel:			
Are side slopes eroding?			
Are side slopes sloughing?			
Bottom of channel eroding?			
Obstructed?			
Erosion protection?			
c. Spillway Channel:			
Are side slopes eroding?			
Are side slopes sloughing?			
Bottom of channel eroding?			
Obstructed?			
Erosion protection?			
d. Outflow Channel:			
Are side slopes eroding?			
Are side slopes sloughing?			
Bottom of channel eroding?			
Obstructed?			
Erosion protection?			
e. Weir:			
Condition?			

8. GENERAL COMMENTS
