

0020

Document Information Form

Mine Number: CI 015/019

File Name: Incoming

To: DOGM

From:

Person N/A

Company OFFICE OF SURFACE MINING

Date Sent: JULY 13, 1994

Explanation:

MINE SITE EVALUATION REPORT

cc:

File in: CI 015, 019, Incoming

Refer to:

- Confidential
- Shelf
- Expandable

Date _____ For additional information



U. S. DEPT. OF THE INTERIOR

OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT

Mine-Site Evaluation Inspection Report



ACT/015/019 #5

1. Permittee/Person
PACIFICORP ELECTRIC

2. Address
1407 W NORTH TEMPLE

3. City
SALT LAKE CITY

4. State
UT

5. Zip Code
84140 - 0001

6. Phone Number
801-687-9821

7. Operator if Different than Permittee
ENERGY WEST MINING

8. Mine Name
COTTONWOOD/WILBERG

9. Permit Number **UT-015-019** *COPY Bill: Henry*

10. Type
a. Permit **PP** b. RA **S**

11. Inspection Date **06/29/94**
MM - DD - YY

12. Inspection Type **C**

13. Joint Inspection **Y** Y/N

14. Permit Status **A**

15. Site Status **AN**

16. Facility Type **B**

17. OSM Office # **020**

18. RSI # **265**

19. Land Code **F**

20. M.S.H.A. ID # **42-00080**

21. State Code **49**

22. County Code **015**

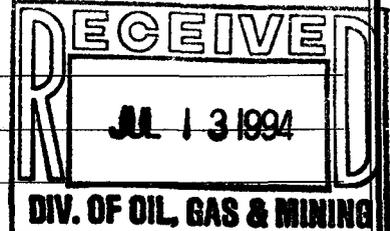
23. AVS Permittee Entity ID Number **118429**

23b. State Office

24. Performance Standard Categories

Codes: 1=Compliance, 2=Noncompliance, 3=Not Planned, 4=Not Started, 5=Noncompliance Identified Elsewhere

<p>A. Administrative</p> <ol style="list-style-type: none"> 1. <u>1</u> Mining within Valid Permit 2. <u>1</u> Mining within Bonded Area 3. <u>1</u> Terms & Conditions of Permit 4. <u>1</u> Liability Insurance 5. <u>1</u> Ownership and Control 6. <u>1</u> Temporary Cessation <p>B. Hydrologic Balance</p> <ol style="list-style-type: none"> 1. <u>1</u> Drainage Control 2. <u>1</u> Inspections & Certifications 3. <u>1</u> Siltation Structures 4. <u>1</u> Discharge Structures 5. <u>1</u> Diversions 6. <u>1</u> Effluent Limits 7. <u>1</u> Ground Water Monitoring 8. <u>1</u> Surface Water Monitoring 9. <u>1</u> Drainage -- Acid-Toxic Materials 10. <u>1</u> Impoundments 11. <u>1</u> Stream Buffer Zones <p>C. Topsoil & Subsoil</p> <ol style="list-style-type: none"> 1. <u>1</u> Removal 2. <u>1</u> Substitute Materials 3. <u>1</u> Storage and Protection 4. <u>1</u> Redistribution 	<p>D. Backfilling & Grading</p> <ol style="list-style-type: none"> 1. <u>1</u> Exposed Openings 2. <u>1</u> Contemporaneous Reclamation 3. <u>1</u> Approximate Original Contour 4. <u>1</u> Highwall Elimination 5. <u>1</u> Steep Slopes (includes downslope) 6. <u>1</u> Handling of Acid & Toxic Materials 7. <u>1</u> Stabilization (rills and gullies) <p>E. Excess Spoil Disposal</p> <ol style="list-style-type: none"> 1. <u>3</u> Placement 2. <u>3</u> Drainage Control 3. <u>3</u> Surface Stabilization 4. <u>3</u> Inspections & Certifications <p>F. Coal Mine Waste (Refuse Piles/Impoundments)</p> <ol style="list-style-type: none"> 1. <u>1</u> Drainage Control 2. <u>1</u> Surface Stabilization 3. <u>1</u> Placement 4. <u>1</u> Inspections and Certifications 5. <u>1</u> Impounding Structures <p>G. Use of Explosives</p> <ol style="list-style-type: none"> 1. <u>3</u> Blaster Certification 2. <u>3</u> Distance Prohibitions 3. <u>3</u> Blast Survey/Schedule 4. <u>3</u> Warnings & Records 	<p>H. <u>1</u> Subsidence Control Plan</p> <p>I. Roads</p> <ol style="list-style-type: none"> 1. <u>1</u> Road Construction 2. <u>1</u> Certification 3. <u>1</u> Drainage 4. <u>1</u> Surfacing and Maintenance 5. <u>1</u> Reclamation <p>J. Signs & Markers</p> <ol style="list-style-type: none"> 1. <u>1</u> Signs 2. <u>1</u> Markers <p>K. <u>1</u> Distance Prohibitions</p> <p>L. Revegetation</p> <ol style="list-style-type: none"> 1. <u>1</u> Vegetative Cover 2. <u>1</u> Timing <p>M. <u>1</u> Postmining Land Use</p> <p>N. Other</p> <ol style="list-style-type: none"> 1) _____ 2) _____ 3) _____
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25. Inspection Frequency

a. Date of Last State Complete Inspection **02/03/94**

Frequency for previous 4 Calendar Years

b. Number of required complete inspections **4** Number of complete inspections conducted

c. Number of required partial inspections **8** Number of partial inspections conducted

File in:

Confidential

Shelf

Expandable

Refer to Record No. **0020** Date **7-13-94**

In C/ **015, 019**, **Incoming**

For additional information

ded Acres

a. Total bonded **01.7**

b. Phase I released **0.0**

c. Phase II released **0.0**

d. Phase III released **0.0**

28. Acres

a. Permitted **11508.0**

b. Disturbed (Estimated) **101.7**

d. Report Writing



U. S. DEPT. OF THE INTERIOR

ACT/015/019 #5

OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT

Mine-Site Evaluation Inspection Report

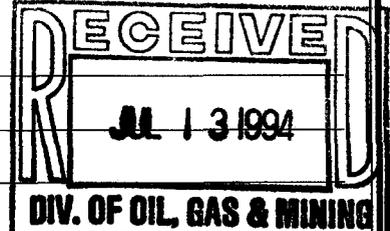


1. Permittee/Person PACIFICORP ELECTRIC		9. Permit Number UT-015-019 <i>Copy Bill: Henry</i>		10. Type a. Permit <input type="checkbox"/> b. RA <input checked="" type="checkbox"/>	
2. Address 1407 W NORTH TEMPLE		11. Inspection Date 06/29/94 <small>MM - DD - YY</small>		12. Inspection Type C	
3. City SALT LAKE CITY		4. State UT		13. Joint Inspection Y Y/N	
5. Zip Code 84140		6. Phone Number 0001 801-687-9821		14. Permit Status A	
7. Operator if Different than Permittee ENERGY WEST MINING		15. Site Status AN		16. Facility Type B	
8. Mine Name COTTONWOOD/WILBERG		17. OSM Office # 020		18. RSI # 265	
		19. Land Code F		20. M.S.H.A. ID # 42-00080	
		21. State Code 49		22. County Code 015	
		23. AVS Permittee Entity ID Number 118429		23b. State Office 	

24. Performance Standard Categories

Codes: 1=Compliance, 2=Noncompliance, 3=Not Planned, 4=Not Started, 5=Noncompliance Identified Elsewhere

A. Administrative 1. <u>1</u> Mining within Valid Permit 2. <u>1</u> Mining within Bonded Area 3. <u>1</u> Terms & Conditions of Permit 4. <u>1</u> Liability Insurance 5. <u>1</u> Ownership and Control 6. <u>1</u> Temporary Cessation	D. Backfilling & Grading 1. <u>1</u> Exposed Openings 2. <u>1</u> Contemporaneous Reclamation 3. <u>1</u> Approximate Original Contour 4. <u>1</u> Highwall Elimination 5. <u>1</u> Steep Slopes (includes downslope) 6. <u>1</u> Handling of Acid & Toxic Materials 7. <u>1</u> Stabilization (rills and gullies)	H. <u>1</u> Subsidence Control Plan I. Roads 1. <u>1</u> Road Construction 2. <u>1</u> Certification 3. <u>1</u> Drainage 4. <u>1</u> Surfacing and Maintenance 5. <u>1</u> Reclamation
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	G. Use of Explosives 1. <u>3</u> Blaster Certification 2. <u>3</u> Distance Prohibitions 3. <u>3</u> Blast Survey/Schedule 4. <u>3</u> Warnings & Records 5. <u>3</u> Control of Adverse Effects	M. <u>1</u> Postmining Land Use N. Other _____ 1) _____ 2) _____ 3)



25. Inspection Frequency a. Date of Last State Complete Inspection 02/03/94 Frequency for previous 4 Calendar Qtrs. b. Number of required complete inspections 4 / Number of complete inspections conducted 4 c. Number of required partial inspections 8 / Number of partial inspections conducted 8	26. Inspection Hours a. Permit Review 2.5 b. Inspection Time 10.0 c. Travel Time 7.5 d. Report Writing 4.5	27. Bonded Acres a. Total bonded 101.7 b. Phase I released 0.0 c. Phase II released 0.0 d. Phase III released 0.0	28. Acres a. Permitted 11508.0 b. Disturbed (Estimated) 101.7
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U. S. DEPT. OF THE INTERIOR

OFFICE OF SURFACE MINING RECLAMATION AND ENFORCEMENT

Mine-Site Evaluation Inspection Report

Permit Number UT-015-019

Inspection Date 06/29/94

29. Identified Violation Data.

For inspection types C (Complete Random Sample) and SC or SP (Complete or Partial In-depth Review), list all violations present during the current Federal inspection and all violations, cited or uncited, identified in the last State complete inspection report. For any other inspection type, including Federal program inspections, list only violations observed during the current inspection or subject of current Federal follow-up actions.

B Per. Std. Category	C Abated (Y/N)	D State Action	E Reason if Uncited	F Cause	G Seriousness		H Impact	I OSM Action	J OSM Action Number	K Optional
					PEO	Impact				
A. Specific State Law/Regulations Violated: _____ Description: _____										
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	V# <input type="text"/>
A. Specific State Law/Regulations Violated: _____ Description: _____										
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	V# <input type="text"/>
A. Specific State Law/Regulations Violated: _____ Description: _____										
3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	V# <input type="text"/>
A. Specific State Law/Regulations Violated: _____ Description: _____										
4	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	V# <input type="text"/>
A. Specific State Law/Regulations Violated: _____ Description: _____										
5	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	V# <input type="text"/>
A. Specific State Law/Regulations Violated: _____ Description: _____										
6	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	V# <input type="text"/>
A. Specific State Law/Regulations Violated: _____ Description: _____										
7	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="text"/>	V# <input type="text"/>

- | | | |
|---|--|--|
| D. State Action
1) Existed on LSCI, Cited
2) Existed on LSCI, Not Cited
3) Cited Prior to LSCI, Abatement Pending
4) Occurred Since LSCI
5) N/A Federal Program
6) N/A Permit Defect | E. State's Reason for not Citing Violation
1) Not a Violation
2) Precluded by State Policy
3) Not Included under State Program
4) Warning Given in Lieu of a Citation
5) Violation Not Recognized
6) Practice Allowed under Approved Permit
7) Too Minor to Cite
8) Working with Operator to Correct
9) Other _____ | F. Cause
1) Permit Defect
2) Unusual Weather Conditions
3) Unofficial Waiver
4) Operator Negligence
5) Other _____ |
| H. Impact
Damage Remains Within the Permit Area
1) None or Minor
2) Moderate
3) Considerable
Damage Extends Beyond the Permit Area
4) None or Minor
5) Moderate
6) Considerable
Obstruction to Enforcement
7) None or Minor
8) Moderate
9) Considerable | I. OSM Action This Inspection
1) Deferred to State Action
2) TDN Issued
3) NOV Issued
4) FTA-CO Issued
5) IH-CO Issued (Imminent Environmental Harm)
6) ID-CO Issued (Imminent Danger to Public)
7) Previously Cited by RA, Abatement Pending
8) Abated during or before OSM Inspection
9) Follow-up of Federal Action | |

30. Signature

Gary Fritz
Inspector's Signature

GARY FRITZ
Inspector's Printed Name

31. OSM Inspector ID#

Dated: 07/08/94 244

Reviewing Official: *[Signature]*

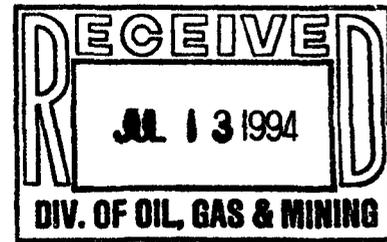
Review Date: 7/11/94

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Revised July 1, 1993

MINESITE INSPECTION NARRATIVE

1

PacifiCorp Electric
344 So State st
Salt Lake City, Ut



Cottonwood\Wilberg mine

Personnel Present During the Inspection:

Karl Houskeeper Emery West Mining Co (subcontractor for Pacific Corp)
Cody Allred Emery West Mining
Chuck Semborski Emery West Mining
Bill Malencik Utah Division of Oil, Gas & Mining
Gary Fritz Albuquerque Field Office\Office of Surface Mining #244

Weather and Ground Conditions:

Partially cloudy, hot and dry

GENERAL COMMENTS

This was a complete oversight inspection. The State Division of Oil, Gas & mining was notified regarding my schedule and chose to have an inspector from the Division with me so we could conduct a joint inspection.

There were no outstanding State enforcement actions. None were issued by either the Division representative or myself following this inspection. There were however, some problems identified during the inspection that will be discussed throughout the narrative. As we identified them during the inspection, Mr. Malencik took measures to make sure that they would be changed by going over the problem and set deadlines for the changes to to submitted to their office for approval.

The mine was idle during the inspection with the exception of subcontractors on the site working to repair things during the two week miner holiday

We started the inspection by going to the Deer Creek, 9th East area. These are the old sealed set of portals on the upper mine benches that were closed following the fire on the mine. There are two openings on the lower bench with a third on the

top. Drainage control for the area is managed with a series of straw bales and filter fabric fence which appear to be functional and are being maintained. The portals are sealed, whether it is permanent or not was not determined but from all appearances and general questioning, there is no one using the portals from either the surface or from underground. The question was asked about reclamation for the area but the comment was made that they are still needed for possible access. This seems highly unlikely since you would have to start at the surface and work down.

A surface water monitoring station, an 8 inch parshall flume, located in the ephemeral drainage near the upper portals was covered by a rock that had rolled down from the upper reaches of the canyon. The comment was made that the flume was not being used because the rock made it impossible to read the depth of flow through the station if it did occur. After checking the mine plan, it was found that it is still considered a part of the monitoring requirements for the mine. The operator said that they would get the rock off of the flume so it could be used to monitor flows. There is a deadline for removal. The lower part of this same drainage receives and has several permitted discharge permit points for the mine.

The Wilberg exhaust fan was up and running.

A two to five gallon per minute flow from a spring that starts just above the lower storage yard was noted. We asked if it was being monitored or was a part of the monitoring plan, the answer was no on both counts.

Mine water discharge from the mine is monitored on a monthly basis. The primary discharge pipe was discharging during the inspection. A larger pipe located in the same area for sump drawdown, should it be necessary, was not being used. The comment was made that the downstream channel from these discharge points was stained orange. This is generally an indicator of high iron content in the water but the records of discharge did not reflect the observation. We questioned Mr, Semborski about the stain and we were told that it was caused by bacteria in the water.

Petrochemical spills on the yard and management of storage and facilities for the same whether it be for use or disposal appeared to be controlled. A couple of 50 gallon barrels were noted in one area that were out of place but the comment was made that they would be moved to the proper location. Grease rags were noted in the mine trash for disposal in the local permitted landfill. The comment was made that they should be collected and disposed of in a different manner so as not to have a liability problem in the future.

The north sediment pond for the two pond system at the mine was cleaned within the last month. There was standing water in both ponds but there was no discharge occurring during the inspection. During our review of the design for the upper pond, it was noted that the blueprints for the riser had been changed showing the current construction but it was not clear because of overtones from the previous print. There was but the white out on the blue line negative was not effective enough to clearly reflect the actual construction. Mr. Malencik asked that it be changed to include the the riser configuration and the inflow points.

The drainage control system on the mine consists of downdrains, traps connected with pipes and risers that carry water off of the surface to the sediment ponds. One of the pipes on the lower coal storage yard connecting two of the downdrains was no longer in use. I did not take the time to check the design to see if it was shown as no longer being a part of the system but seem to recall that it was mentioned during the closeout.

There are two permitted waste rock disposal areas for the mine. The one on the east side of the mine access road has been reclaimed. The lower cell for that area was resoiled and planted with permanent cover during the last year. We did not check soil depths on the area but Mr. Malencik said that Division personnel have been on the site doing soil depth probes to determine if permitting requirements were met for tha area. The comment was made that it would also be checked during the phase 1 bond release application review process. Drainage control around the pile is controlled through filter fabric fence. One of the fences had to be pulled up as we inspected the area but they were functioning as designed. The western most fence, the one that was repaired, is being pushed down because part of the surface runoff from the paved access road is running through the drainage. This should be checked to see if it was designed for the flow.

The waste rock disposal area on the west side of the access road is being used for rock disposal from the Wilberg and Trail Mountain mines. Development work is under way at Trail Mountain to set it up of longwall operations. Company officials said that they have plans to connect the two mines by running a beltline above ground in Cottonwood Canyon. There was also a comment that the surface facilities for that mine will also still be used as a manway entry as well as for ventilation and haulage. One of the fans at that mine is also going to be reversed to change the ventilation for the workings. I did not verify if the waste rock pile was permitted for disposal for both mines. This should be done. There has been some controversy over the construction and use of the cell in the past. During my last inspection of the

area in 1991, Mr. Malencik and I both had problems with the way the area was set up. Bill has since worked with mine officials and the permitting branch to redefine the drainage for the area. A contractor has been brought in for the purposes of doing a study to determine the stability factors for the pile construction with a design. As it is now, all drainage is to be directed to the west side of the pile where there are drainage ditches instead of back towards the north end. The company was also using the the front of the pile for pond cleaning disposal that had to be contained for dewatering purposes. That operation has been moved to the north end of the pile. It is permitted as such. I have a problem with the location as approved because it is more than likely the source of water noted at the toe of the pile. It is to be put in undisturbed area at the rear of the pile. I believe it is but this still could be a source of water that is noted in the lower end of the first bench of the pile on the south end. Prior to construction in the area, there were no springs noted in the mancos formation which serves as the base for the pile. If water is being accumulated in the pile from the dewatering process, the temporary storage area should be moved up and out of the area. The outslope benches on the pile do not drain. Utah has a provision in their regulations for constructing them to conserve water. I disagree. This should be looked into.

The first bench on the outslope is about a foot wide and does not drain to either side of the pile. The reclaimed outslope below that bench has been resoiled, topsoiled and planted with permanent cover. The resoiling and planting was moved upslope to the second lift but the bench has not been constructed. Clinometer readings were taken on the top of the pile, drainage is positive but is limited to a few degrees which makes visual verification hard if not impossible. There are no sumps on the surface that would enhance downward migration of water in the pile. The perimeter ditch should be moved in on the south end of the pile to improve drainage on the area.

When rock is brought into the pile, it is dumped from the face towards the back. In addition, there is an MSHA berm built along the perimeter of the face. The comment was made that the disposal operations should start at the back of the pile and work towards the face. The berm must be maintained if they work near the face but if they were to move from the back fowards they would not need it until later.

There was water standing in the sediment pond for the waste rock disposal area. It was not discharging nor was there a sign of a discharge having occurred.

There is a monitoring well for the area, but it is probably not accurately reflecting the water levels because the comment

was made that the screen size for the well was not adequate for the soil formation. Mr. Semborski said that he would redo the well to make it more effective. The levels of ground water noted in the monitoring records indicate a rise in the static levels.

The certification records for the two waste piles were incorporated into a single report, the latest was sent to the division March 31, 1994. The comment was made that they should be separated for tracking purposes.

The disturbed area drainage control system for Cottonwood Canyon was checked. The sediment ponds were clear, dry and discharge systems were functional. Ditches on the area did show some erosion but not enough to warrant enforcement action. As we began to leave the area, the comment was made that the company is thinking about reclaiming the fan faceup benches. The area was never used for that purpose so they want to reclaim the site. The comment was made that some of the cut slopes will be left. The downslope disposal will not be re-affected because it is considered to be stable. The comment was also made that the surrounding area has rock faces that resemble the construction site. I said that approximate original contour does not include the cut slopes or downslope disposal. I suggested that the cross sections for the reclamation be drawn up and review by both the DOGM and OSM be conducted prior to any earthwork. Approval is necessary prior to reclamation. The comment was made that approval may not be honored by people in the agency. My comment was to get approval before....

The Mining Permit ACT\015\019 was issued July 6, 1989 with an expiration date of July 5, 1994.

The Certificate of Public Liability Insurance Policy is made out for PacificCorp dba as Pacific Power & Light. The policy No. is X0296A194. The period of coverate is from 2\24\94 through 2\24\95. The policy is for \$35,000,000.00 for property damage and comprehensive general liability.

An effluent violation for their NPDES permit was self reported April 19, 1994. Bio testing for the discharge has been achieved after the standards were revised per permitting requirements.

Quarterly pond inspections were conducted March 28, 1994.

Design certification for Ponds 1 & 2 was done 2\16\79.

The design certs for the North and South pond was done June 1, 1989. I did not check if the north pond was recertified after it was cleaned.

MINESITE INSPECTION NARRATIVE

6

As noted earlier, the waste pile certification was checked. It was completed March 24, 1994. There was a comment raised about an annual certification for the piles through MSHA reporting requirements. This was not available but was done. That record will be verified through the state inspector.

Haul road certifications were done July 30, 1979.

The annual report for water monitoring was submitted to the Division per extension request and approval March 31, 1994.

The annual subsidence report, which shows drops recorded at ten feet in places was submitted in June 1994.