

PERMIT CHANGE TRACKING FORM

DATE RECEIVED	6/11/93	PERMIT NUMBER	ACT/015/009
Title of Proposal: New Surface Facilities		PERMIT CHANGE #	93E
Description:	PERMITTEE		PACIFICORP
	MINE NAME		TRAIL MOUNTAIN

<input type="checkbox"/> 15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION <input type="checkbox"/> Notice of Review Status of proposed permit change sent to the Permittee. <input type="checkbox"/> Request additional review copies prior to Division/Other Agency review. <input type="checkbox"/> Notice of Approval of Publication. (If change is a Significant Revision.) <input type="checkbox"/> Notice of request to modify proposed permit change prior to approval.	DATE DUE	DATE DONE	RESULT		
				<input type="checkbox"/> ACCEPTED	<input type="checkbox"/> REJECTED
				Permit Change Classification	
				<input type="checkbox"/> Significant Permit Revision	
				<input type="checkbox"/> Permit Amendment	
				<input type="checkbox"/> Incidental Boundary Change	

REVIEW TRACKING	INITIAL REVIEW		MODIFIED REVIEW		FINAL REVIEW AND FINDINGS	
DOGM REVIEWER	DUE	DONE	DUE	DONE	DUE	DONE
<input type="checkbox"/> Administrative _____						
<input type="checkbox"/> Biology _____						
<input type="checkbox"/> Engineering _____						
<input type="checkbox"/> Geology _____						
<input type="checkbox"/> Soils _____						
<input type="checkbox"/> Hydrology _____						
<input type="checkbox"/> Bonding _____						
<input type="checkbox"/> AVS Check _____						

COORDINATED REVIEWS	DUE	DONE	DUE	DONE	DUE	DONE
<input type="checkbox"/> OSMRE						
<input type="checkbox"/> US Forest Service						
<input type="checkbox"/> Bureau of Land Management						
<input type="checkbox"/> US Fish and Wildlife Service						
<input type="checkbox"/> US National Parks Service						
<input type="checkbox"/> UT Environmental Quality						
<input type="checkbox"/> UT Water Resources						
<input type="checkbox"/> UT Water Rights						
<input type="checkbox"/> UT Wildlife Resources						
<input type="checkbox"/> UT State History						
<input type="checkbox"/> Other						

<input type="checkbox"/> Public Notice/Comment/Hearing Complete (If the permit change is a Significant Revision)	<input type="checkbox"/> Permit Change Approval Form signed and approved effective as of this date. <input type="checkbox"/> Permit Change Denied.
<input type="checkbox"/> Copies of permit change marked and ready for MRP.	<input type="checkbox"/> Notice of <input type="checkbox"/> Approval <input type="checkbox"/> Denial to Permittee.
<input type="checkbox"/> Special Conditions/Stipulations written for approval.	<input type="checkbox"/> Copy of Approved Permit Change to File.
<input type="checkbox"/> TA and CHIA modified as required.	<input type="checkbox"/> Copy of Approved Permit Change to Permittee.
<input type="checkbox"/> Permit Change Approval Form ready for approval.	<input type="checkbox"/> Copies to Other Agencies and Price Field Office.

PERMIT AMENDMENT APPROVAL

Title: NEW SURFACE FACILITIES	PERMIT NUMBER: ACT/015/009
Description:	PERMIT CHANGE #: 93E
	MINE: TRAIL MOUNTAIN MINE
	PERMITTEE: PACIFICORP

WRITTEN FINDINGS FOR PERMIT APPLICATION APPROVAL	YES, NO or N/A
1. The application is complete and accurate and the applicant has complied with all the requirements of the State Program.	<input type="checkbox"/>
2. The proposed permit area is not within an area under study or administrative proceedings under a petition, filed pursuant to R645-103-400 or 30 CFR 769, to have an area designated as unsuitable for coal mining and reclamation operations, unless: A. The applicant has demonstrated that before January 4, 1977, substantial legal and financial commitments were made in relation to the operation covered by the permit application, or B. The applicant has demonstrated that the proposed permit area is not within an area designated as unsuitable for mining pursuant to R645-103-300 and R645-103-400 or 30 CFR 769 or subject to the prohibitions or limitations of R645-103-230.	<input type="checkbox"/>
3. For coal mining and reclamation operations where the private mineral estate to be mined has been severed from the private surface estate, the applicant has submitted to the Division the documentation required under R645-301-114.200.	<input type="checkbox"/>
4. The Division has made an assessment of the probable cumulative impacts of all anticipated coal mining and reclamation operations on the hydrologic balance in the cumulative impact area and has determined that the proposed operation has been designed to prevent material damage to the hydrologic balance outside the permit area.	<input type="checkbox"/>
5. The operation would not affect the continued existence of endangered or threatened species or result in destruction or adverse modification of their critical habitats, as determined under the Endangered Species Act of 1973 (16 U.S.C. 1531 et.seq.).	<input type="checkbox"/>
6. The Division has taken into account the effect of the proposed permitting action on properties listed on and eligible for listing on the National Register of Historic Places. This finding may be supported in part by inclusion of appropriate permit conditions or changes in the operation plan protecting historic resources, or a documented decision that the Division has determined that no additional protection measures are necessary.	<input type="checkbox"/>
7. The Applicant has demonstrated that reclamation as required by the State Program can be accomplished according to information given in the permit application.	<input type="checkbox"/>
8. The Applicant has demonstrated that any existing structure will comply with the applicable performance standards of R645-301 and R645-302.	<input type="checkbox"/>
9. The Applicant has paid all reclamation fees from previous and existing coal mining and reclamation operations as required by 30 CFR Part 870.	<input type="checkbox"/>
10. The Applicant has satisfied the applicable requirements of R645-302.	<input type="checkbox"/>
11. The Applicant has, if applicable, satisfied the requirements for approval of a long-term, intensive agricultural postmining land use, in accordance with the requirements of R645-301-353.400.	<input type="checkbox"/>

SPECIAL CONDITIONS OR STIPULATIONS TO THE PERMIT AMENDMENT APPROVAL	YES	NO
1. Are there any variances associated with this permit amendment approval? If yes, attach.	<input type="checkbox"/>	<input type="checkbox"/>
2. Are there any special conditions associated with this permit amendment approval? If yes, attach.	<input type="checkbox"/>	<input type="checkbox"/>
3. Are there any stipulations associated with this permit amendment approval? If yes, attach.	<input type="checkbox"/>	<input type="checkbox"/>

The Division hereby grants approval for Permit Amendment to the Existing Permit by incorporation of the proposed changes described herein and effective the date signed below. All other terms and conditions of the Existing Permit shall be maintained and in effect except as superseded by this Permit Amendment.

Signed _____

Director, Division of Oil, Gas and Mining

_____ **EFFECTIVE DATE**

IMPORTANT MESSAGE

FOR _____

DATE Susan TIME _____ A.M. P.M.

M 8/2

OF _____

PHONE _____

AREA CODE

NUMBER

EXTENSION

TELEPHONED		PLEASE CALL	
CAME TO SEE YOU		WILL CALL AGAIN	
WANTS TO SEE YOU		RUSH	
RETURNED YOUR CALL		SPECIAL ATTENTION	

MESSAGE I took this from

your desk. Could you
please review by 8/6.
Pat.

SIGNED _____

LITHO IN U.S.A.



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
 Governor
 Ted Stewart
 Executive Director
 James W. Carter
 Division Director

355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203
 801-538-5340
 801-359-3940 (Fax)
 801-538-5319 (TDD)

UTAH DIVISION OF OIL, GAS AND MINING
 FACSIMILE TRANSMISSION COVER SHEET

DATE:

August 2, 1993

FAX #

637-4940

ATTN:

Dale Harber

COMPANY:

Manti-Salal

FROM:

Pam Grubavich-Little

DEPARTMENT:

DOG M

NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE):

32

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a Murata facsimile Machine. Our telecopier number is (801) 359-3940.

MESSAGES:

Thank You!!!
Any questions, please call me

Pam

PERMIT TRACKING FORM

Type of Proposal:

Enforcement Action Involved:

MRP AMENDMENT
 MRP REVISION _____
 EXPLORATION _____
 I. B. C. _____

TDN/L #X _____, # _____ of _____
 NOV #N _____, # _____ of _____
 CO #C _____, # _____ of _____
 (Incidental Boundary Change)

Title of Proposal:

*Surface facilities Blowing Fan @ Existing Decan Portal
 Pump house & Water Tank (5 items)
 Remove fuel storage
 Portal doors*

Company Name:

Pacific Fuel Mountain Mill

File #: (INA / PRO / ACT / CEP)

015 1009 - 93 E # New Acres: _____

Discipline	Priority	Reviewers	Due	Completed	Tech Memo Drafted	
					Yes	No
HYDROLOGY		<i>Hugh</i>	<i>7/9</i>	<i>12 July 1993</i>	<i>()</i>	<i>(X)</i>
BIOLOGY					<i>()</i>	<i>()</i>
ENGINEER		<i>Jesse</i>	<i>7/8</i>		<i>()</i>	<i>()</i>
SOILS		<i>Henry</i>		<i>July 27 1993</i>	<i>(X)</i>	<i>()</i>
GEOLOGY					<i>()</i>	<i>()</i>

Before approved route to Jesse & Henry

Dates:

- | | | | |
|----------------------------|----------------|---------------------------|---------------|
| (1) Initial Plan Received | <u>6/11/93</u> | (4) Operator Resubmission | _____ |
| Tech Review Due | _____ | Tech Review Due | _____ |
| Tech Review Complete | _____ | Tech Review Complete | _____ |
| DOGM Response Sent | <u>7/27/93</u> | DOGM Response Sent | _____ |
| Operator Response Due | <u>8/2</u> | Operator Response Due | _____ |
| (2) Operator Response Rc'd | <u>8/20/93</u> | (5) Operator Response Rcd | _____ |
| Tech Review Due | _____ | Tech Review Due | _____ |
| Tech Review Complete | _____ | Tech Review Complete | _____ |
| DOGM Response Sent | _____ | DOGM Response Sent | _____ |
| Operator Response Due | _____ | Operator Response Due | _____ |
| (3) Operator Response Rc'd | _____ | (6) Conditional Approval | _____ |
| Tech Review Due | _____ | Stipulations Due | _____ |
| Tech Review Complete | _____ | Stipulations Received | _____ |
| DOGM Response Sent | _____ | DOGM Response Sent | _____ |
| Operator Response Due | _____ | Final Approval | <u>9/1/93</u> |
| | | Filed in MRP | <u>9/1/93</u> |
| | | Author | _____ |
| | | Transmitted | <i>ryb</i> |

Other Agency Involvement:

Agency	Transmittal Date	Sign-off	Comments:
() OSMRE			
() USFS	<i>sent to FS 8/2</i>		
() BLM			
() USFWS			
() NPS			
() HEALTH			
() UDWR			
() H ² O RGTS			
() HISTORY			



State of Utah
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3 Triad Center, Suite 350
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801-359-3940 (Fax)
801-538-5319 (TDD)

September 1, 1993

Mr. Robert Hagen, Director
Office of Surface Mining
Reclamation and Enforcement
505 Marquette N.W., Suite 1200
Albuquerque, New Mexico 87102

Re: Surface Facilities, Trail Mountain Mine, PacifiCorp, ACT/015/009-93E,
Folder #2, Emery County, Utah

Dear Mr. Hagen:

Enclosed please find updated information relative to the Surface Facilities
amendment for the Trail Mountain Mine approved September 1, 1993.

Sincerely,

Pamela Grubaugh-Littig
Permit Supervisor

September 2, 1993

pgl

Enclosure

cc/enc: Bill Malencik, PFO

George Morris, enclosures already sent

**Enclosed are updated maps: Figure 3-1 and 7-11 to replace
mailings sent 9/1/93.**





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

September 1, 1993

Mr. Val Payne
Senior Environmental Engineer
PacifiCorp
P.O. Box 1005
Huntington, Utah 84528

Re: Approval of Surface Facilities Amendment, Trail Mountain Mine, PacifiCorp,
ACT/015/009-93E, Folder #3, Emery County, Utah

Dear Mr. Payne:

The above-noted amendment is approved with the commitment that Figure 3-1 will be submitted within 30 days after the completion of construction.

Sincerely,


Pamela Grubaugh-Littig
Permit Supervisor

pgl



DATE: 01 SEP 93

APPLICANT VIOLATOR SYSTEM
APPLICATION EVALUATION REPORT

TIME: 10:18:37

STATE: UT

APPNO: ACT015009

SEQNO: 1

PAGE: 1

APPLICANT'S ENTITY ID: 118429

APPLICANT'S NAME : PACIFICORP ELECTRIC OPERATIONS

SYSTEM RECOMMENDATION IS BASED ON ENTITY OFT

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*****
*
* SYSTEM RECOMMENDATION : ISSUE
* PREVIOUS SYSTEM RECOMMENDATION:
*
*
*****

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F2/PROCEED F3/QUIT F4/MAIN F6/REPORT F9/VIEW VIOL F10/VIEW OFT

*This can be approved
with condition that
Figure 3-1 is updated
after construction
as committed in
8/16/93 letter from
Val Payne.*

*with her
submitted
Susan within
30 days
of construction.*



August 16, 1993

RECEIVED

AUG 20 1993

DIVISION OF
OIL GAS & MINING

Pamela Grubaugh-Littig
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Copy Pam, Susan,
Benny, Jess

File

RE: **TECHNICAL DEFICIENCIES IN NEW SURFACE FACILITIES AMENDMENT,
PACIFICORP, TRAIL MOUNTAIN MINE, ACT/015/009, EMERY COUNTY,
UTAH**

#2

Dear Ms. Grubaugh-Littig:

PacifiCorp's responses to the Technical Deficiencies listed in your August 5, 1993 letter are as follows:

JULY 8, 1993 LETTER FROM JESS KELLEY TO PAMELA GRUBAUGH-LITTIG.

- 1) ***On Pages 3-64 and 3-69, there is an error in the total estimated reclamation cost for the surface facilities. The total should be \$94,381 instead of the present \$93,971.***

Pages 3-64 and 3-69 were revised on 8/4/93 and three (3) copies are enclosed.

- 2) ***On Pages 3-64 there is an error in the estimated backhoe/loader cost for the installation of rip-rap. The cost should be \$4920 instead of the present \$4620.***

The cost was checked and is accurate no error exists. The cost remains at \$4620.

- 3) ***Due to the above corrections, the subtotal for all reclamation costs found on Page 3-69 should be \$340,784 and the contingencies and escalated totals should be modified according to that subtotal.***

The subtotal on Page 3-69 of MRP has been changed to \$340,784 and the contingencies and escalation to 1994 dollars has also been modified. Three copies of Page 3-69 are being submitted under Item #1 listed above.

- 4) *The new Appendix 3-9 should be changed to Appendix 3-10 as there is already an Appendix 3-9 in the present Plan.*

Please find enclosed three (3) copies of the Appendices List of the Table of Contents, Page 3-2, first page of Appendix 3-4 and Appendix 3-10 which have been revised showing the change from Appendix 9 to Appendix 10.

- 5) *The maps and cross-sections are not designated as the text indicates. For instance the text refers to Figure 3-1, which is not found in the submittal under that designation. Instead there is a Drawing TMS1473D, which I assume is the same as Figure 3-1. The designation of the cross-sections are like wise ambiguous. All maps, plans, and cross-sections must be designated as referenced in the text.*

TMS1473D is not Figure 3-1 of the MRP. TMS1473D as indicated in the June 8, 1993 letter is a site plan map showing proposed areas of additional disturbance relative to existing disturbance and surface facilities. The cross-sections correspond to the areas indicated on the site plan map. After approval and construction the area will be surveyed to determine the extent of disturbance and placement of new structures. At that time Figure 3-1 of the MRP showing the surface facilities will be updated and three (3) copies will be submitted to the Division.

- 6) *The maps and cross-sections must be certified by a qualified, registered, professional engineer or land surveyor.*

Please find enclosed three (3) copies of TMS1473D, TMS1472D, TMS1469D, TMS1467D, TMS1470D and TMS1471D. These are construction drawings, as built will be submitted upon completion.

JULY 27, 1993 LETTER FROM HENRY SAUER TO PAMELA GRUBAUGH-LITTIG.

ANALYSIS

The proposed amendment calls for the disturbance of previously undisturbed lands. However, the Permittee's submittal does not address the removal, storage and redistribution of topsoil material. Therefore, the Permittee must provide information on the soil resources as specified under R645-301-200 Soils. et. seq.

All excavated material associated with this amendment will be transported to the Cottonwood Waste Rock Site and disposed of as excess overburden material. See "Topsoil Handling" section of Appendix 3-10.

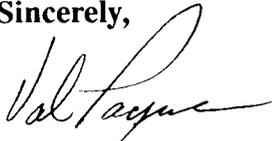
AUGUST 4, 1993 LETTER FROM SUSAN M. WHITE TO PAMELA GRUBAUGH-LITTIG.

A map designating post 1977 disturbance must be submitted and disturbed areas not in use must be seeded.

Pre-1977 disturbance is indicated on Figure 3-1 of the MRP along with disturbance after that time frame. This Figure will be updated and submitted as discussed at Item 5. All areas of disturbance that haven't already been through interim revegetation are currently being used.

If you have any questions please feel free to contact Karl R. Houskeeper or myself at 653-2312.

Sincerely,

A handwritten signature in cursive script, appearing to read "Val Payne".

**Val Payne
Sr. Environmental Engineer**

**KH/dw
Enclosures**

**cc: Steve Kochevar
Larry LaFrentz
Blake Webster**



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Salt Lake City, Utah 84180-1203
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801-359-3940 (Fax)
801-538-5319 (TDD)

August 24, 1993

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Henry Sauer, Senior Reclamation Soils Specialist 

RE: New Surface Facilities Amendment, PacifiCorp, Trail Mountain Mine, ACT/015/009-93E, Folder #2, Emery County, Utah

Synopsis

The permittee has responded (received August 20, 1993) to the technical deficiencies enumerated in my July 27, 1993 memo to Pamela Grubaugh-Littig.

The permittee's response to Division comments is adequate. Therefore, Amendment ACT/015/009-93E is recommended for approval.

Analysis

The permittee contends that topsoil within the proposed disturbance is of limited depth and its salvage would result in an inordinate amount of disturbance when compare to the volume of material which would be salvaged.

Based on the soil resource information provided in the permit this writer concurs with the permittee's demonstration of limited topsoil depth. Therefore, as allowed in R645-301-232.710, the Division will grant the permittee's request to not remove topsoil from the proposed disturbance associated with the aforementioned amendment. In addition, given the steep slope conditions, a disproportionate amount of disturbance would be created by removing topsoil from the proposed disturbance and therefore contrary to minimizing surface disturbance.

Recommendation

Approve Amendment ACT/015/009-93E.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
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801-359-3940 (Fax)
801-538-5319 (TDD)

August 5, 1993

Mr. Val Payne
Senior Environmental Engineer
PacifiCorp
P.O. Box 1005
Huntington, Utah 84528

Dear Mr. Payne:

Re: Surface Facilities Amendment, PacifiCorp, Trail Mountain Mine,
ACT/015/009-93E, Folder #2, Emery County, Utah

Enclosed please find memos that address deficiencies in the above-noted amendment. If you have any questions, please call me.

Sincerely,

A handwritten signature in cursive script that reads "Pamela Grubaugh-Littig".

Pamela Grubaugh-Littig
Permit Supervisor

Enclosure





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Governor

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Division Director

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801-359-3940 (Fax)
801-538-5319 (TDD)

August 4, 1993

TO: Pamela Grubaugh-Littig, Permit Supervisor
FROM: Susan M. White, Senior Reclamation Biologist *SMW*
RE: New Surface Facilities Amendment, PacifiCorp, Trail
Mountain Mine, ACT/015/009-93E, Folder #2, Emery
County, Utah

SYNOPSIS AND ANALYSIS

A proposal for new surface facilities at the Trail Mountain Mine was received. Several small areas of previously undisturbed lands will need to be disturbed. The disturbance is so minor that vegetation inventory will not be required. However, the permittee should designate those areas as post 1977 disturbances.

The permittee should also be reminded of the commitment to provide for interim seeding of disturbed areas. Interim seeding has been done on some areas of the disturbed mine site, however no effort to reseed areas of failed seeding has been made. The Division will expect that another effort at reseeding will be made this fall.

RECOMMENDATION

A map designating post 1977 disturbance must be submitted and disturbed areas not in use must be seeded.





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DEPARTMENT OF NATURAL RESOURCES
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3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

July 27, 1993

TO: Pamela Grubaugh-Littig, Permit Supervisor ✓
FROM: Henry Sauer, Senior Reclamation Soils Specialist *HS*
RE: Technical Deficiencies in New Surface Facilities
Amendment, PacifiCorp, Trail Mountain Mine,
ACT/015/009-93E, Folder #2, Emery County, Utah

SYNOPSIS

The permittee submitted a request (received June 11, 1993) for an amendment to the approved permit. Amendment #93E includes a proposal for additional surface disturbance associated with the construction of the new facilities.

The permittee must adequately address the forthcoming deficiencies prior to approval of Amendment ACT/015/009-93E.

ANALYSIS

The proposed amendment calls for the disturbance of previously undisturbed lands. However, the permittee's submittal does not address the removal, storage and redistribution of topsoil material. Therefore, the permittee must provide information on the soil resource as specified under R645-301-200. Soils. et. seq.

RECOMMENDATION

The permittee must adequately address the above deficiencies prior to approval of Amendment ACT/015/009-93E.





State of Utah
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DIVISION OF OIL, GAS AND MINING

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Salt Lake City, Utah 84180-1203
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801-359-3940 (Fax)
801-538-5319 (TDD)

July 8, 1993

TO: Pamela Grubaugh-Littig, Permit Supervisor ✓
FROM: Jess Kelley, Reclamation Engineer JK
RE: Deficiencies in Submittal for Amendment 93E, PacifiCorp, Trail
Mountain Mine, ACT/015/009-93E, Folder #2, Emery County, Utah

SYNOPSIS

The Division received the application for this amendment on June 11, 1993. The amendment provides for the following six (6) modifications of the present surface facilities:

- 1) Installation of a blowing fan and a concrete portal liner in what is now the access portal.
- 2) Installation of a new pump house and water storage tank near the substation.
- 3) Installation of a new, concrete-lined access portal between the existing fuel storage area and the belt portal.
- 4) Removal of the existing fuel storage area.
- 5) Conversion of the present fan portal into a return portal by removing the fan and lining the portal with concrete.
- 6) Conversion of the south portal into a return portal by lining the portal with concrete.



ANALYSIS

I have reviewed the amendment submittal and have found the following deficiencies:

- 1) On pages 3-64 and 3-69, there is an error in the total estimated reclamation cost for the surface facilities. The total should be \$94,381, instead of the present \$93,971.
- 2) On page 3-64, there is an error in the estimated backhoe/loader cost for the installation of rip rap. The cost should be \$4920, instead of the present \$4620.
- 3) Due to the above corrections, the subtotal for all reclamation costs found on page 3-69 should be \$340,784, and the contingencies and escalated totals should be modified according to that subtotal.
- 4) The new Appendix 3-9 should be changed to Appendix 3-10, as there is already an Appendix 3-9 in the present plan.
- 5) The maps and cross sections are not designated as the text indicates. For instance, the text refers to Figure 3-1, which is not found in the submittal under that designation. Instead, there is a Drawing TMS1473D, which I assume is the same as Figure 3-1. The designations of the cross sections are likewise ambiguous. All maps, plans, and cross sections must be designated as referenced in the text.
- 6) The maps and cross sections must be certified by a qualified, registered, professional engineer or land surveyor.

RECOMMENDATIONS

It is recommended that the permittee correct the deficiencies listed in the above analysis before the amendment can be approved and implemented.



State of Utah
DEPARTMENT OF NATURAL RESOURCES
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355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
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801-359-3940 (Fax)
801-538-5319 (TDD)

July 21, 1993

Mr. George Morris
Forest Supervisor
Manti-LaSal National Forest
599 West Price River Drive
Price, Utah 84501

Dear Mr. Morris:

Re: Surface Facilities Amendment, PacifiCorp, Trail Mountain Mine,
ACT/015/009-93E, Folder #2, Emery County, Utah

Enclosed please find an amendment for the surface facilities at the Trail Mountain Mine. Please submit any comments to the Division by August 12, 1993. If you have any questions, please call me.

Sincerely,


Pamela Grubaugh-Littig
Permit Supervisor

pgl
Enclosure
cc: Dale Harber





State of Utah
DEPARTMENT OF NATURAL RESOURCES
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August 4, 1993

TO: Pamela Grubaugh-Littig, Permit Supervisor
FROM: Susan M. White, Senior Reclamation Biologist, *SMW*
RE: New Surface Facilities Amendment, PacifiCorp, Trail Mountain Mine, ACT/015/009-93E, Folder #2, Emery County, Utah

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Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

July 27, 1993

TO: Pamela Grubaugh-Littig, Permit Supervisor ✓
FROM: Henry Sauer, Senior Reclamation Soils Specialist *HS*
RE: Technical Deficiencies in New Surface Facilities
Amendment, PacifiCorp, Trail Mountain Mine,
ACT/015/009-93E, Folder #2, Emery County, Utah

SYNOPSIS

The permittee submitted a request (received June 11, 1993) for an amendment to the approved permit. Amendment #93E includes a proposal for additional surface disturbance associated with the construction of the new facilities.

The permittee must adequately address the forthcoming deficiencies prior to approval of Amendment ACT/015/009-93E.

ANALYSIS

The proposed amendment calls for the disturbance of previously undisturbed lands. However, the permittee's submittal does not address the removal, storage and redistribution of topsoil material. Therefore, the permittee must provide information on the soil resource as specified under R645-301-200. Soils. et. seq.

RECOMMENDATION

The permittee must adequately address the above deficiencies prior to approval of Amendment ACT/015/009-93E.





State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Ted Stewart
Executive Director
James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

July 8, 1993

TO: Pamela Grubaugh-Littig, Permit Supervisor ✓
FROM: Jess Kelley, Reclamation Engineer JK
RE: Deficiencies in Submittal for Amendment 93E, PacifiCorp, Trail Mountain Mine, ACT/015/009-93E, Folder #2, Emery County, Utah

SYNOPSIS

The Division received the application for this amendment on June 11, 1993. The amendment provides for the following six (6) modifications of the present surface facilities:

- 1) Installation of a blowing fan and a concrete portal liner in what is now the access portal.
- 2) Installation of a new pump house and water storage tank near the substation.
- 3) Installation of a new, concrete-lined access portal between the existing fuel storage area and the belt portal.
- 4) Removal of the existing fuel storage area.
- 5) Conversion of the present fan portal into a return portal by removing the fan and lining the portal with concrete.
- 6) Conversion of the south portal into a return portal by lining the portal with concrete.



ANALYSIS

I have reviewed the amendment submittal and have found the following deficiencies:

- 1) On pages 3-64 and 3-69, there is an error in the total estimated reclamation cost for the surface facilities. The total should be \$94,381, instead of the present \$93,971.
- 2) On page 3-64, there is an error in the estimated backhoe/loader cost for the installation of rip rap. The cost should be \$4920, instead of the present \$4620.
- 3) Due to the above corrections, the subtotal for all reclamation costs found on page 3-69 should be \$340,784, and the contingencies and escalated totals should be modified according to that subtotal.
- 4) The new Appendix 3-9 should be changed to Appendix 3-10, as there is already an Appendix 3-9 in the present plan.
- 5) The maps and cross sections are not designated as the text indicates. For instance, the text refers to Figure 3-1, which is not found in the submittal under that designation. Instead, there is a Drawing TMS1473D, which I assume is the same as Figure 3-1. The designations of the cross sections are likewise ambiguous. All maps, plans, and cross sections must be designated as referenced in the text.
- 6) The maps and cross sections must be certified by a qualified, registered, professional engineer or land surveyor.

RECOMMENDATIONS

It is recommended that the permittee correct the deficiencies listed in the above analysis before the amendment can be approved and implemented.



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
 Governor
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355 West North Temple
 3 Triad Center, Suite 350
 Salt Lake City, Utah 84180-1203
 801-538-5340
 801-359-3940 (Fax)
 801-538-5319 (TDD)

Fax #

653-2479

UTAH DIVISION OF OIL, GAS AND MINING
 FACSIMILE TRANSMISSION COVER SHEET

DATE:

August 2, 1993

FAX #

653-2479

ATTN:

Val Payne

COMPANY:

Pacificorp

FROM:

Tom Fombough-Jettig

DEPARTMENT:

DOG M

NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): 4

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a Murata facsimile Machine. Our telecopier number is (801) 359-3940.

MESSAGES:

Here are Henry and Jesse's
 comments. Susan may have
 some... Did you have a
 proposed surface facilities
 map in the package? You
 didn't see it... you should
 have one...
 TFL Dam

I'll send
 official letter
 this week



June 8, 1993

RECEIVED

JUN 11 1993

DIVISION OF
OIL GAS & MINING

Copy PHM

Pamela Grubaugh-Littig
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

RE: REQUEST FOR AN AMENDMENT TO: CONSTRUCT A BLOWING FAN IN THE EXISTING ACCESS PORTAL, PUMPHOUSE AND WATER TANK AND NEW ACCESS PORTAL; REMOVE FUEL STORAGE AREA AND EXISTING FAN; INSTALL CONCRETE PORTAL LINERS IN SOUTH PORTAL, OLD FAN PORTAL, NEW ACCESS PORTAL AND EXISTING OR OLD ACCESS PORTAL; PACIFICORP, TRAIL MOUNTAIN MINE, ACT/015/009, EMERY COUNTY, UTAH

Dear Ms. Grubaugh-Littig:

Following PacifiCorp's acquisition of the Trail Mountain Mine several modifications and additions are needed to allow future mining and development.

These modifications and additions consist of:

- 1) Construction of a blowing fan and concrete portal liner in the existing access portal.
- 2) Construction of a pumphouse and water tank to supply water underground for the mining operation.
- 3) Construct a new access portal and concrete portal liner between the existing fuel storage area and belt portal.
- 4) Remove the existing fuel storage area to allow for construction of the new access portal.
- 5) Remove the existing fan and line the portal with a concrete liner, allowing this portal to now become a return portal.

**PacifiCorp
Trail Mountain Mine**

LIST OF TABLES

<u>TABLE NO.</u>	<u>DESCRIPTION</u>	<u>PAGE NO.</u>
3-1	Recoverable reserve figures for the Hiawatha Seam, Trail Mountain Mine Property.	3-14
3-2	Time Table for reclamation activities at the Trail Mountain Mine.	3-60
3-3	Estimated cost of reclamation of the Trail Mountain Mine site.	3-62
3-4	Reclamation Cost breakdown for current posted bond	3-69

APPENDICES

APPENDIX 3-1	STABILITY ANALYSES
APPENDIX 3-2	MULTIPLE SEAM CONSIDERATION
APPENDIX 3-3	BUREAU OF LAND MANAGEMENT (BLM) APPROVAL OF THE RESOURCE RECOVERY PROTECTION PLAN
APPENDIX 3-4	OPERATION PLAN FOR EXISTING STRUCTURES
APPENDIX 3-5	COTTONWOOD CANYON ROAD
APPENDIX 3-6	TECHNICAL DATA INFORMATION
APPENDIX 3-7	PROPOSED NEW VENTILATION PORTAL
APPENDIX 3-8	PROPOSED NEW COAL HANDLING FACILITIES
APPENDIX 3-9	FACILITY MODIFICATIONS AND ADDITIONS

**PacifiCorp
Trail Mountain Mine**

An old sealed entry is found 500 feet south of the fan portal. It is not used in this operation.

3.2.3 SURFACE BUILDINGS AND STRUCTURES

The buildings and structures associated with the Trail Mountain Mine are shown in Figure 3-1. They consist of an office, bathhouse, shop, power substation, fan control house, coal handling system, explosives magazines, fuel storage area, and sediment control facilities. The office, shop, sub-station, fan control house, fuel storage area, and sediment controls were all in place prior to 1987. A new bathhouse, coal handling facility, explosive magazines, ventilation portal, and culinary water system were added in late 1990. The main canyon culvert was also extended approximately 300' at that time. See Appendix 3-4 for the Operation Plan for the structures. Also see Appendices 3-7, 3-8, 3-9 and 7-13 for details on the new facilities.

3.2.4 COAL HANDLING, PROCESSING, PREPARATION AND STORAGE

Coal in the Trail Mountain Mine is mined by continuous miners. The coal is loaded at the face and transported to the feeder breaker by diesel or electric powered shuttle cars. Coal is evenly distributed onto the belt at a predetermined rate by the feeder breaker. A 42 inch belt line then transports the

Trail Mountain Mine

SURETY BOND ESTIMATE TABLE 3-3

<u>ITEM</u>	<u>AMOUNT LABOR MAN/SHIFT^{1,2}</u>	<u>COST/MAN SHIFT</u>	<u>LABOR COST</u>	<u>EQUIPMENT³ REQUIREMENTS</u>	<u>MATERIAL⁴ EQUIPMENT SHIFT/COST⁵</u>	<u>MATERIALS EQUIPMENT TOTAL COST</u>	<u>TOTAL LABOR MATERIALS EQUIPMENT¹¹</u>
Chute	1/3	160	480	Truck	3/250	750	1230
	1/3	160	480	Crane	3/381	1143	1623
	1/3	120	360	None	-	-	360
Main Fan	1/7 1/2	160	1120 320	Truck	7/250 2/250	1750	2870 820
	1/4 1/2	160	640 320	Crane	4/381 -	1524	2164 Nothing
	1/2	160 120	320 1440	Backhoe/Loader	2/250 2/225	500	820 770
Scale and Scale House	1/2	160	320	Truck	2/250	500	820
	1/2	160	320	Backhoe/loader	2/225	450	770
	2/2	120	480	None	-	-	480
Storage Shed	3/1	160	480	Backhoe/loader	1/250	250	730
Loading Dock	1/1	160	160	Backhoe/loader	1/250	250	410
Pump House/	1/1	160	160	Truck	1/250	250	410
Water Tank	1/1	160	160	Crane	1/381	381	541
	3/1	120	360	None	-	-	360

13 588

Trail Mountain Mine

SURETY BOND ESTIMATE TABLE 3-3

ITEM	AMOUNT LABOR MAN/SHIFT ^{1,2}	COST/MAN SHIFT	LABOR COST	EQUIPMENT ³ REQUIREMENTS	MATERIAL ⁴ EQUIPMENT SHIFT/COST ⁵	MATERIALS EQUIPMENT TOTAL COST	TOTAL LABOR MATERIALS EQUIPMENT ¹¹
Conveyor Structure	1/5	160	800	Truck	5/250	1250	2050
	1/5	160	800	Crane	5/381	1905	2705
	1/5	120	600	None	-	-	600
Loading Dock	1/.5	160	80	Truck	.5/250	125	205
	1/.5	160	80	Loader	.5/225	113	193
Coal Pile	1/.5	160	80	Jeffrey	.5/500	250	330
	1/.5	160	80	Dozer	.5/703	352	432
Sediment Pond	1/2	160	320	Jeffrey	2/500	1000	1320
	1/2	160	320	Loader	2/225	450	770
	<u>3/8</u>				<u>4/1000</u>	<u>4000</u>	<u>6880</u>
Seal Portals	<u>3/10</u>	120	<u>3600</u>	Concrete Block	<u>5/1000</u>	<u>5000</u>	<u>8600</u>
Explosive Magazine	1/2	120	240	Concrete Block	2/500	1000	1240
Culverts	1/20	160	3200	Truck	20/250	5000	8200
	1/20	160	3200	Crane	20/381	7620	10820
	2/20	120	4800	None	-	-	4800
Trash Removal	1/2	120	240	Truck	1/250	250	<u>490</u>
							42755 ← should be
							\$93,971 ← 94381
Earth Moving and Recontouring(10, 12)	<u>1/25(14, 17)</u> 1/21	160	<u>4000</u> 3260	Dozer	<u>25/703</u> 2/703	<u>17575</u> 14763	<u>21575</u> 18123
	<u>1/62(15)</u> 1/52	160	<u>9920</u> 8320	988 Loader	<u>62/971</u> 52/971	<u>60202</u> 50492	<u>70122</u> 58812
	<u>1/15(16)</u> 1/12	160	<u>2400</u> 1920	Track Excavator	<u>15/954</u> 12/954	<u>14310</u> 11448	<u>16710</u> 13368
							<u>\$108,407</u> 90303
Riprap(19)	1/12	160	1920	Truck	12/250	3000	4920
	1/12	160	1920	Backhoe/loader	12/225	2700	<u>4620</u> 4920 ← should be
	1/12	120	1440	None	-	-	<u>1440</u>
							<u>\$10,980</u> 11280

6/4/93

Trail Mountain Mine

**SURETY BOND ESTIMATE
TABLE 3-3**

<u>ITEM</u>	<u>AMOUNT LABOR MAN/SHIFT^{1,2}</u>	<u>COST/MAN SHIFT</u>	<u>LABOR COST</u>	<u>EQUIPMENT³ REQUIREMENTS</u>	<u>MATERIAL⁴ EQUIPMENT SHIFT/COST⁵</u>	<u>MATERIALS EQUIPMENT TOTAL COST</u>	<u>TOTAL LABOR MATERIALS EQUIPMENT¹¹</u>
REVEGETATION							
Fertilization	1/4	160	640	Dozer Spreader Fertilizer	4/703 4/55 10.0*/@30 acre	2812 220 300	3452 220 300
Seedbed Preparation ^C(Grassland- Shrub)	1/4	160	640	Dozer Spreader Seed Land Imprinter	4/703 2/55 7.0*/@388 acre 2/200	2812 110 2716 400	3452 110 2716 400
Seedbed Preparation (Riparian)	1/3	160	480	Dozer Spreader Fertilizer Disk Harrow Seed	3/703 1/55 1/55 1/55 1/55 3*/@236 acre	2109 55 55 55 55 708	2589 55 55 55 55 708
Contour Trenching	1/5	160	800	Dozer	5/703	3515	4315
Mulch	10/21	120	25200	Erosion Mat	10.0*/1100 acre	11000	36200
Containerized	2/3	120	720	Plant Materials	--	694	<u>1414</u>
						SUBTOTAL	56,096

**TABLE 3-4
RECLAMATION-COST BREAKDOWN
FOR
RECLAMATION BOND**

	<u>PRESENT BOND</u>	
1. Surface Facility Removal	\$ 93,971	94 381
2. Earth Moving and Recontouring	108,407	
3. Riprap	10,980	
4. Revegetation	56,096	
5. Miscellaneous*	<u>70,920</u>	
 SUBTOTAL (1984 Dollars)	 \$340,374	 340 784
 +10% Contingency	 34,037	 34 078
 +4.3% Reclamation Management	 <u>14,636</u>	 14 634
 TOTAL	 \$389,047	 389,516
 Add an inflation factor of 6.78 percent over 5 year Permit Term	 <u>151,025</u>	 151 207
 (1989 Dollars) Total Surety Estimate	 \$540,073	 540 723
 +6.78 percent over 5 years	 <u>209,652</u>	 209 904
 Suggested Surety Estimate (1994 Dollars)	 \$749,725	 750 627

*Miscellaneous costs include all monitoring and maintenance related costs for successful reclamation establishments.

**PacifiCorp
Trail Mountain Mine**

Operation Plan for Existing Structures

The following is a list of major structures associated with this operation. All structures are shown on Figure 3-1.

- (a) **Office, Warehouse and Shop Complex** - This is a block, 2-story structure which houses the mine offices upstairs, and a warehouse and shop facility on the ground floor. The building was constructed in 1976 and modified up until 1981.
- (b) **Bathhouse** - The bathhouse was moved from the Mountain Coal Company Gordon Creek No. 8 Mine in the fall of 1990. This is a single story bathhouse, equipped to serve approximately 125 people. The building lies directly north of the Office/Warehouse/Shop complex.
- (c) **Substation** - The substation is an open structures protected by a 6' chain link fence. The structure is constructed, operated and maintained in compliance with applicable MSHA and electrical codes. The substation was constructed in 1980. All transformers in the station have been checked and are non-PCB. An EPA inspection for PCB was conducted in early 1988, and confirmed the compliance of the substation and other transformers on the site.
- (d) **Fan Control House** - The existing fan was removed in 1993 and a new fan was constructed the same year (see Appendix 3-9).

Only spacing changed on this page

**PacifiCorp
Trail Mountain Mine**

(e) **Coal Handling and Loadout System** - This system was installed in late 1990 - early 1991. The old tippie was removed at that time. The system consists of the following major components:

- (1) Magnet to remove metal;
- (2) Flop-gate on main conveyor to by-pass chute;
- (3) By-pass chute, used in the event of system malfunction or bin overflow;
- (4) 55' Conveyor to Crusher transfer;
- (5) Crusher;
- (6) 145' Conveyor to Bin;
- (7) 600 Ton Truck Loadout Bin;
- (8) Truck Scales;
- (9) Control House

The system is equipped with sprinklers to control dust. All conveyors and transfer points are enclosed.

(f) **Sediment Control Facilities** - The main sediment control facilities on the site consist of the following:

APPENDIX 3-9

FACILITY MODIFICATIONS AND ADDITIONS

This should be Appendix 3-10; there is already a 3-9 which describes the bathhouse/culinary water system which was installed in 1990/91

**PacifiCorp
Trail Mountain Mine**

Operation Plan for Facility Modifications and Additions

Following is a list of facility modifications and additions. All structures are shown on Figure 3-1.

- (a) **Blowing Fan** - A blowing fan and concrete portal liner was installed in the old access portal in 1993.
- (b) **Fuel Storage Area** - The fuel storage area was removed in 1993 to allow construction of the new access portal.
- (c) **Belt Portal** - The existing belt portal was modified in 1993 with a concrete portal liner.
- (d) **South Return Portal** - The existing south portal was modified in 1993 with a concrete portal liner.
- (e) **North Return Portal** - The existing fan (pre-1993) portal was modified in 1993 by removing the fan and lining the portal with a concrete portal liner.
- (f) **Pumphouse and Water Tank** - A new high pressure pumphouse and water tank system was added in 1993. This facility supplies water underground to be used for mining operations.
- (g) **Access Portal** - A new access portal for transportation of men, equipment and materials was constructed in 1993.

- 6) Install a concrete portal liner in the existing south portal, allowing this portal to now become a return portal.

Additional disturbance of 0.17 acres is necessary. These areas are indicated on the Site Plan Map.

Please find enclosed for your review a site plan map with corresponding cross-sections, construction drawings for the new blowing fan, pumphouse and water tank. The construction drawings for the new blowing fan, pumphouse and water tank are provided for your information but are not to be included in the MRP.

In addition please find enclosed the following revised pages:

Chapter 3 - Table of Contents and List of Appendices;

Page 3-2, revised 6/4/93;

Two pages, revised 6/4/93, from Appendix 3-4;

Appendix 3-9 for inclusion in the MRP upon approval of the amendment;

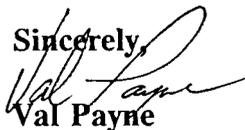
Table 3-3, Surety Bond Estimate - Pages 3-63, 3-64, and 3-65 and Table 3-4, Reclamation Cost Breakdown for Reclamation Bond - Page 3-69, revised 6/4/93.

Figure 3-1 - Surface Facilities Map will be revised and submitted after final construction to indicate the actual placement of the facilities.

Reclamation costs have been revised to cover this amendment bringing the total cost to \$749,725. The existing Bond of \$700,000 will be increased sufficiently to cover the projected reclamation costs.

Please feel free to contact Karl Houskeeper or myself at 653-2312 if you have any questions or require further information.

Sincerely,



Val Payne

Sr. Environmental Engineer

Enclosures

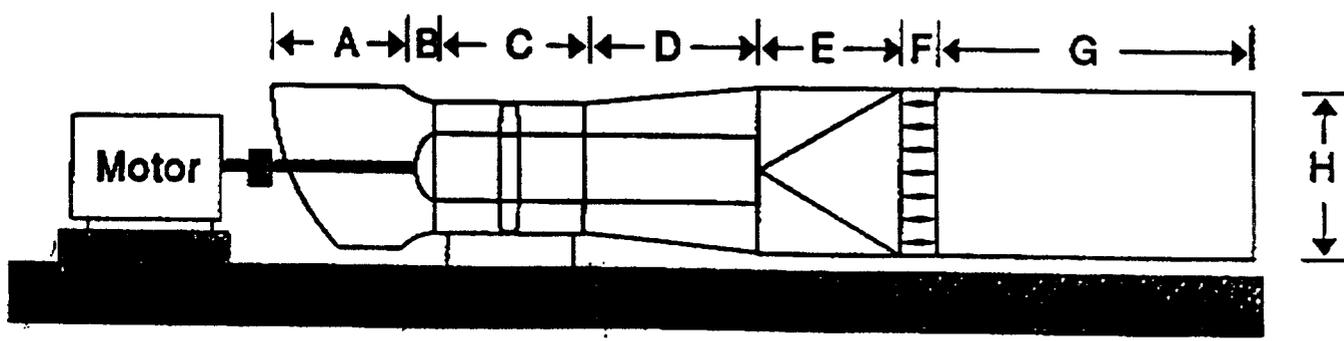
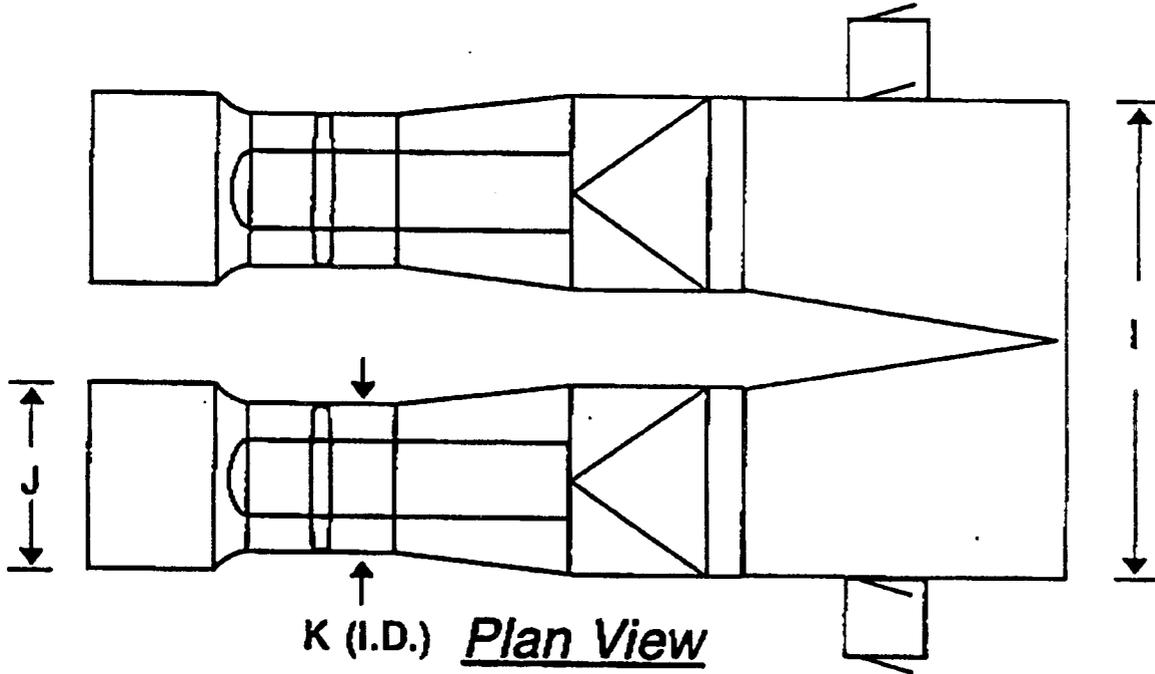
cc: Steve Kochevar
Blake Webster
Larry LaFrentz
Dale Grange

TLT-Babcock, Inc.

Energy West Mining Company

Trail Mountain Proposed Fan Arrangement

TLT-Babcock Fan Model No. 18.0/9.0-1



Elevation View

Dimensions in Inches	
A	67
B	16.5
C	84
D	118
E	65
F	24
G	168
H	96
I	240
J	88
K	70

COTTONWOOD MINE ID:8017482380 JUN 02'93 15:40 No.017 P.02

TLT-Babcock, Inc.

Energy West Mining Company

Trail Mountain Proposed Fan Arrangement

