



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

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October 13, 1993

TO: File

THRU: Daron Haddock, Permit Supervisor

FROM: Steven M. Johnson, Reclamation Specialist *SMJ*

RE: Loadout Culvert Plans, Coastal States Energy Company, Skyline Mine, ACT/007/005-93J, Folder #2, Carbon County, Utah.

### SUMMARY

As a result of Violation NOV N93-39-5-3 (3 of 3) plans for a culvert placed under the substation at the loadout facility of the Skyline Mines were submitted to the Division. The hydrology of these plans were reviewed and the findings are revealed in this memorandum.

### ANALYSIS

#### Proposal:

Plans for culvert CD-14 at the Skyline Mines Loadout facility have been submitted in response to violation NOV N93-39-5-3 (3 of 3). The plans include sizing of the culvert using the 10-year 6-hour storm event, and location of the culvert shown on Map No. 3.2.1-3. Using Manning Equation a 24-inch culvert was designed for a flow of 13.6cfs. This culvert will be placed under the substation, linking ditch DD-10 to DD-11.

#### Analysis:

The design of a 24-inch culvert is adequate for the needs and will carry safely the 10-year 6-hour storm event at a grade of 2% assuming a roughness coefficient of 0.024 for plain corrugated pipe.

#### Deficiencies:

none.

### RECOMMENDATIONS

A 24-inch corrugated pipe culvert is adequate to convey the 10-year 24-hour storm event. It is recommended the plans submitted be approved and included in the current plan for abatement of NOV N93-39-5-3 (3 of 3).

## PERMIT CHANGE TRACKING FORM

DATE RECEIVED	OCT. 4, 1993	PERMIT NUMBER	007/005
Title of Proposal:	loadout Culvert	PERMIT CHANGE #	93J
Description:	Abatement NOV 93-39-5-3 3 of 3	PERMITTEE	Coastal States
		MINE NAME	SKYline

	DATE DUE	DATE DONE	RESULT
<input type="checkbox"/> 15 DAY INITIAL RESPONSE TO PERMIT CHANGE APPLICATION			<input checked="" type="checkbox"/> ACCEPTED <input type="checkbox"/> REJECTED
<input type="checkbox"/> Notice of Review Status of proposed permit change sent to the Permittee.			Permit Change Classification
<input type="checkbox"/> Request additional review copies prior to Division/Other Agency review.			<input type="checkbox"/> Significant Permit Revision
<input type="checkbox"/> Notice of Approval of Publication. (If change is a Significant Revision.)			<input checked="" type="checkbox"/> Permit Amendment
<input type="checkbox"/> Notice of request to modify proposed permit change prior to approval.			<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 <u>Steve</u>	<u>11/4/93</u>	<u>10/13/93</u>				
<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)	<u>NA</u>	<input type="checkbox"/> Permit Change Approval Form signed and approved effective as of this date. <input type="checkbox"/> Permit Change Denied.	<u>10/18/93</u>
<input type="checkbox"/> Copies of permit change marked and ready for MRP.		<input type="checkbox"/> Notice of <input checked="" 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.	<u>11/4/93</u>
<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.	<u>11/4/93</u>

# APPLICATION FOR PERMIT CHANGE

Title of Change:

Add Culvert CD-14 at RRLO

Permit Number: ACT/ 007 / 005

Mine: Skyline Mines

Permittee: Coastal States Energy Co.

Description, include reason for change and timing required to implement:

Design and install adequate drainage culvert through RRLO substation.

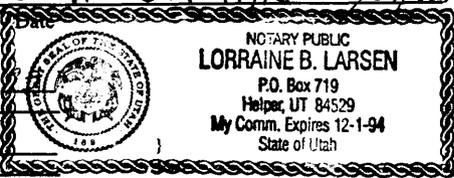
- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 1. Change in the size of the Permit Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.               |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 2. Change in the size of the Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.            |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 3. Will permit change include operations outside the Cumulative Hydrologic Impact Area?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 4. Will permit change include operations in hydrologic basins other than currently approved?   |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 5. Does permit change result from cancellation, reduction or increase of insurance or reclamation bond?                                  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 6. Does permit change require or include public notice publication?  |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 7. Permit change as a result of a Violation? Violation # <span style="float: right;">NOV N93-39-5-3 3 of 3</span>                        |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 8. Permit change as a result of a Division Order? D.O.#  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 9. Permit change as a result of other laws or regulations? Explain:  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 10. Does permit change require or include ownership, control, right-of-entry, or compliance information?                                 |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 11. Does the permit change affect the surface landowner or change the post mining land use?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 12. Does permit change require or include collection and reporting of any baseline information?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 13. Could the permit change have any effect on wildlife or vegetation outside the current disturbed area?                                |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 14. Does permit change require or include soil removal, storage or placement?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 15. Does permit change require or include vegetation monitoring, removal or revegetation activities?                                     |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 16. Does permit change require or include construction, modification, or removal of surface facilities?                                  |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 17. Does permit change require or include water monitoring, sediment or drainage control measures?                                       |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No            | 18. Does permit change require or include certified designs, maps, or calculations?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 19. Does permit change require or include underground design or mine sequence and timing?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 20. Does permit change require or include subsidence control or monitoring?  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 21. Have reclamation costs for bonding been provided or revised for any change in the reclamation plan?                                  |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 22. Is permit change within 100 feet of a public road or perennial stream or 500 feet of an occupied dwelling?                           |
| <input type="checkbox"/> Yes            | <input checked="" type="checkbox"/> No | 23. Is this permit change coal exploration activity <input type="checkbox"/> inside <input type="checkbox"/> outside of the permit area? |

Attach 3 complete copies of proposed permit change as it would be incorporated into the Mining and Reclamation Plan.

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

*[Signature]* VP GEN Mgr *9/29/93*  
 Signed Name - Position Date

Subscribed and sworn to before me this 29 day of Sept, 1993  
*Lorraine B. Larsen*  
 Notary Public



My Commission Expires: \_\_\_\_\_, 19\_\_\_\_  
 Attest: STATE OF \_\_\_\_\_  
 COUNTY OF \_\_\_\_\_

Received by Oil, Gas & Mining

ASSIGNED PERMIT CHANGE NUMBER

