

PERMIT TRACKING FORM

- Permit Amendment
 Exploration Permit
 NOV Abatement
 Division Order
 Permit Transfer
 Incidental Boundary Change
 Permit Midterm
 Permit Renewal
 New Permit
 Significant Revision
 Bond Release

Permit Number	ACT/015/019	Title of Proposal:	HIGHWALL ELIMINATION CORRECTION
Permit Change Number	98E	Description:	
Permittee	PacifiCorp		
Mine Name	Cottonwood/ Wilberg	# of Copies Required:	7
		# of Copies Received:	7

<input type="checkbox"/> Permit Change Application Sent to SLC:	Transmittal Letter to Permittee:
<input type="checkbox"/> Notice of Affidavit of Publication. (If change is a Significant Revision, New Permit, or Permit Transfer.)	Dates Published:
	Date Received at DOGM:

REVIEW TRACKING

ROUND 1				ROUND 2			
DATE RECEIVED:				DATE RECEIVED:			
	Reviewer:	Date Due:	Date Done:		Reviewer:	Date Due:	Date Done:
<input type="checkbox"/> Project Lead				<input type="checkbox"/> Project Lead			
<input type="checkbox"/> Administrative				<input type="checkbox"/> Administrative			
<input type="checkbox"/> Land Use/ AQ				<input type="checkbox"/> Land Use/ AQ			
<input type="checkbox"/> Biology				<input type="checkbox"/> Biology			
<input type="checkbox"/> Engineering				<input type="checkbox"/> Engineering			
<input type="checkbox"/> Geology				<input type="checkbox"/> Geology			
<input type="checkbox"/> Soils				<input type="checkbox"/> Soils			
<input type="checkbox"/> Hydrology				<input type="checkbox"/> Hydrology			

ROUND 1	TA Review Due:	Date Compiled:	Permittee Response Due:	Date Received:
ROUND 2	TA Review Due:	Date Compiled:	Permittee Response Due:	Date Received:

Coordinated Reviews:	Round 1		Round 2		Comments Received: Y/N	Additional Tracking	Date:
	Sent	Due	Sent	Due			
<input type="checkbox"/> OSM						Public Hearing	
<input type="checkbox"/> BLM						Letter from Compliance Super.	
<input type="checkbox"/> US Forest Service						AVS Completed	
<input type="checkbox"/> Wildlife Resources						Approval Effective Date	
<input type="checkbox"/> Water Rights						Approved Copy to File	
<input type="checkbox"/> DEQ						Approved Copy to Permittee	
<input type="checkbox"/> SITLA						Approved Copy to PFO/ SLO	
						Approved Copy to Agencies	
						CHIA Modified	
						Update Master TA	

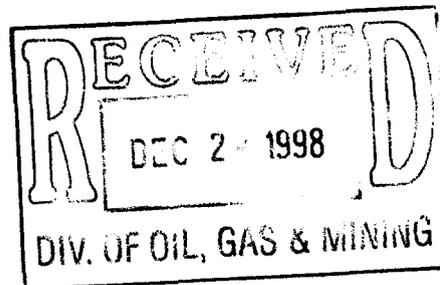
COMMENTS: *RESUBMIT SUP FROM ANOTHER TOPIC. Req for SEH TO REVIEW SUP 10/29/06 TO NEW JFH SEH AND TEL. CJA 12/29/06*

Item 3-L Waste Rock Storage Site:

Final reclamation of the site Cell #7 has been completed along with the previous sites which were completed according to the approved plan. Material to cover the waste rock was taken from the perimeter berms. The unpaved access road has been relinquished to the BLM for use by Texaco to serve drill site #35-14.

SUPERSEDED
EFFECTIVE:
FEB 25 1999
UTAH DIVISION OIL, GAS AND MINING

Revised 7/25/97
INCORPORATED
EFFECTIVE:
MAY 18 1998
UTAH DIVISION OIL, GAS AND MINING
atc



December 18, 1998

Utah Coal Program
Utah Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Attn: Daron Haddock

Re: Amendment to the Cottonwood/Wilberg Permit for the Purpose of Correcting Plan Deficiencies Associated with Highwall Elimination, PacifiCorp, Cottonwood/Wilberg Mine, ACT/015/019, Emery County, Utah.

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, hereby submits an amendment to the Cottonwood/Wilberg (CTW) mine permit which addresses the deficiencies associated with highwall elimination.

During recent years, one of the main topics of the Office of Surface Mining (OSM) oversight has been highwall elimination and retention as part of approximate original contour restoration. The joint DOGM/OSM oversight team has evaluated this element under the primary oversight objective of determining whether mine site reclamation is successful. DOGM/OSM has concluded that there exists 18 areas (portals) that may fall under the definitions of highwall as defined in the R645 Utah Coal Rules. These areas are lettered A through R with their respective identity.

- | | |
|---|--|
| A - Wilberg Mine Fan * | K - Cottonwood Fan Access Tunnel |
| B - Wilberg Fan Portal | L - Cottonwood Fan Portal |
| C - Belt Portal in Wilberg * | M - Cottonwood Belt Portal |
| D - Intake Portal Wilberg * | N - Cottonwood Canyon Portal |
| E - Underground Offices * | O - Cottonwood Canyon Fan Portal Area |
| F - Old Portals * | P - Cottonwood Canyon Fan Portal Faceoff |
| G - Old Portals * | Q - Miller Canyon Breakouts |
| H - Portals for Wilberg before Fire * | R - Channel Canyon Breakouts |
| I - Mine Access Tunnel to Cottonwood Mine Portals | |
| J - Cottonwood Intake Portals | |

J:\PCCOMMON\Environmental\PERMITS\CTWMINE\AMENDMNT\1998\Highwall Elimination\highwall cover letter.doc

Huntington Office:
(435) 687-9821

Fax (435) 687-2695

Purchasing Fax (435) 687-9092

Deer Creek Mine:
(435) 687-2317

Fax (435) 687-2285

Trail Mountain Mine:
(435) 748-2140

Fax (435) 748-5125

R - Channel Canyon Breakouts

Of these 18 sites, 7 are pre-SMCRA and denoted with an asterisk. These areas need only to eliminate to the extent practical. The eleven other areas need to eliminate the highwall completely with the exception of the following:

- Area P, Cottonwood Canyon Fan Portal faceoff area was recently reclaimed.
- Area Q, Miller Canyon portals, were ventilation breakouts developed in 1981 with no associated highwall. Energy West is currently discussing possibilities of reclaiming these portals in 1999.
- Area R, Channel Canyon breakouts were reclaimed in June of 1997 and has been approved for Phase III bond release (6/98).

The above mentioned areas are addressed and will be incorporated in the Cottonwood MRP upon approval.

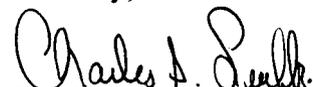
Revisions to Cottonwood Permit:

Pages – Volume 2, Part 4, page 4-4.4, add highlighted text
Volume 2, Part 4, addition to this part, add Appendix A and Appendix B
Appendix A includes drawings KS1658D and KS1659D.

Enclosed is seven (7) copies of this amendment. Unless an unforeseen item has been neglected, all parameters necessary for highwall elimination have been covered and are complete.

If you have any questions or concerns regarding this amendment, please feel free to contact Dennis Oakley at (435) 687-4825.

Sincerely,


Chuck Semborski

Environmental/Geology Supervisor

DCO/dco/cas

Enclosures

Cc: Carl Pollastro, w/o enclosures
Dennis Oakley with enclosures
Blake Webster w/o enclosures



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

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

March 1, 1999

Chuck Semborski, Environmental Supervisor
Energy West
P.O. Box 310
Huntington, Utah 84528

Re: Highwall Elimination, PacifiCorp, Cottonwood/Wilberg Mine, ACT/015/019-98E,
Folder #3, Emery County, Utah

Dear Mr. Semborski:

The referenced amendment is hereby approved effective February 25, 1999. A stamped approved incorporated copy is provided for inclusion in your MRP.

If you have any questions please call.

Sincerely,

Joseph C. Helfrich
Permit Supervisor

tam

Enclosure: approved amendment

cc: Ranvir Singh, OSM
Richard Manus, BLM
Janette Kaiser, USFS, 2 copies
Mark Page, Water Rights, w/o
Dave Ariotti, DEQ, w/o
Bill Bates, DWR, w/o
Price Field Office

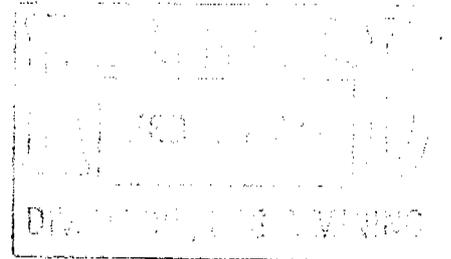
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PO Box 310
Huntington, Utah 84528

February 22, 1999

Utah Coal Program
Utah Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801



ACT/015/019 #2
Joe

Attn: Joe Helfrich

Re: Plan Response of Concerns, Highwall Elimination, PacifiCorp, Cottonwood/Wilberg Mine, ACT/015/019-98E, Folder #3, Emery County, Utah

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, hereby responds to the amendment concern regarding the December 18, 1998 review of the proposed Cottonwood Highwall Elimination Plan.

The concern regarding this plan examined the amount of fill to cover the highwall at least 1-foot above the coal seam. Soil settling had not been considered when organizing this plan. Although Utah Coal Regulations considers cover of at least 1 foot above coal seam as achieving minimum requirements, over time, the soil would subside and the coal seam would again be exposed. In order to resolve this problem, a 20% soil shrinkage factor will be used when estimating the fill depth of the highwall area.

The Division must realize, though, that some of the areas that will be filled are very narrow and will not allow for a 2:1 slope to be maintained. In these areas, the backfill will be compacted to the extent practical in order to minimize soil settling. The slope will be dependent on the height of the highwall and the allowable width to be filled.

The elimination plan has been amended to account for the concerns mention above. Seven (7) copies of redlined text of Appendix A are included with this submittal along with 7 clean copies. Appendix B is also amended to address the slope of backfill. Only clean copies of Appendix B are included since the software used to produce this appendix did not allow for strikeout/redlining.

If there is any questions or concerns regarding this submittal, please contact Dennis Oakley at 435-687-4825.

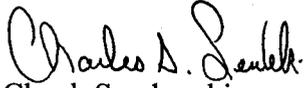
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Utah Coal Program
February 22, 1999
Page 2

Sincerely,



Chuck Semborski
Geology/Permitting Supervisor

DCO/dco/cas

Encl

Cc: Blake Webster IMC
Carl Pollastro EWMC
Dennis Oakley EWMC



State of Utah
DEPARTMENT OF NATURAL RESOURCES
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February 8, 1999

Chuck Semborski, Environmental Supervisor
Energy West
P. O. Box 310
Huntington, Utah 84528

Re: Plan Deficiency, Highwall Elimination, PacifiCorp, Cottonwood/Wilberg Mine, ACT/015/019-98E, Folder #3, Emery County, Utah

Dear Mr. Semborski:

The Division has completed the review of your December 18, 1998 submittal which provides supplemental information regarding the identification and elimination of highwalls found within the permit area. Randy Harden's technical analysis is provided. There is one deficiency that needs to be addressed. The analysis indicates that one foot of cover material is not sufficient to cover the highwall. Although it may meet the minimum design standards, it is unlikely that reclaimability and the performance standards can be met. Please address this deficiency by February 23, 1999.

TECHNICAL ANALYSIS:

RECLAMATION PLAN

BACKFILLING AND GRADING

Regulatory Reference: 30 CFR Sec. 785.15, 817.102, 817.107; R645-301-234, -301-537, -301-552, -301-553, -302-230, -302-231, -302-232, -302-233.

Analysis:

The proposal contains two drawings entitled, *COTTONWOOD MINE SURFACE FACILITIES MAP HIGHWALL SURVEY*, and, *COTTONWOOD MINE COTTONWOOD CANYON BREAKOUTS HIGHWALL SURVEY*. These two maps are used in conjunction with the revised text provided to identify pre- and post-SMCRA highwalls as defined by the May 3, 1978 ruling.

The proposal indicates that eighteen areas were identified and 7 of these areas are pre-SMCRA disturbances that are yet to be reclaimed.

Highwall Elimination
ACT/015/019-98E
February 8, 1999
Page 2

The maps show the general location, extent and the dates (as can best be determined) for the highwall areas associated with mine openings.

In general, the plans for the mine openings call for the installation of a concrete plug or seal within the mine portal. The Highwall areas will be backfilled to a nominal slope of 2:1.

Appendix B of the proposal is a photo essay of the extent of fill of highwalls. The photos provide an excellent pictorial description of the portal areas and approximate how fill material will be positioned during reclamation.

As noted in the photos, most of the mine openings are at the base of natural cliffs formed by competent sandstone overlying the coal seam. These natural cliff formations are not considered as part of the highwalls associated with the mine portals. The elimination of highwalls under these conditions only warrant that the portals are properly sealed and backfilled and that exposed coal seams are covered.

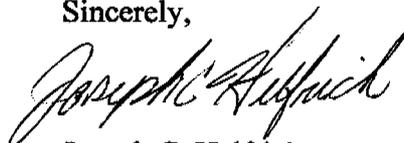
Information regarding closure of the mine openings and the elimination of highwall is considered satisfactory except that page A-2 states that, "...to cover the portal and highwall area to a depth of at least 1 foot above the coal seam..." While this comment meets the minimum requirements regarding covering exposed coal seams, the Division recommend that the amount of material covering any exposed coal seam be increased to four feet to help prevent combustion. A nominal cover of only 1 foot does not account for settling or erosion that is likely to occur.

Findings:

Information found in the proposal meets the minimum regulatory requirements for locating and identifying pre-and post-SMCRA highwall disturbances. The plan calls for the complete elimination, by backfilling, of all highwalls within the permit area.

If you have any questions please call Randy or me."

Sincerely,



Joseph C. Helfrich
Permit Supervisor

tam

cc: Ranvir Singh, OSM
Richard Manus, BLM
Janette Kaiser, USFS, 2 copies
Mark Page, Water Rights, w/o
Dave Ariotti, DEQ, w/o
Bill Bates, DWR, w/o
Price Field Office

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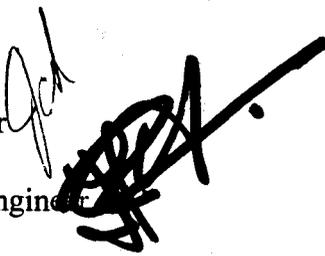
State of Utah
DEPARTMENT OF NATURAL RESOURCES
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PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

February 1, 1999

TO: File

THRU: Joe Helfrich, Permit Supervisor 

FROM: Randy Harden, Reclamation Engineer

RE: Amendment to the Cottonwood /Wilberg Permit for the Purpose of Correcting Plan Deficiencies Associated with Highwall Elimination, PacifiCorp, Cottonwood/Wilberg Mine, ACT/015/019-98E, File #2, Emery County, Utah

SUMMARY:

A proposal dated December 18, 1998 was received by the Division on December 24, 1998 and designed as Amendment ACT/015/019-98E. The proposal serves to provide supplemental information regarding the identification and elimination of highwalls found within the permit area.

The supplemental information found in the proposal is considered adequate to meet the requirements for identifying and eliminating highwalls as part of approximate original contour restoration.

TECHNICAL ANALYSIS:

RECLAMATION PLAN

BACKFILLING AND GRADING

Regulatory Reference: 30 CFR Sec. 785.15, 817.102, 817.107; R645-301-234, -301-537, -301-552, -301-553, -302-230, -302-231, -302-232, -302-233.

Analysis:

The proposal contains two drawings entitled, *COTTONWOOD MINE SURFACE FACILITIES MAP HIGHWALL SURVEY*, and, *COTTONWOOD MINE COTTONWOOD*

CANYON BREAKOUTS HIGHWALL SURVEY. These two maps are used in conjunction with the revised text provided to identify pre- and post-SMCRA highwalls as defined by the May 3, 1978 ruling.

The proposal indicates that eighteen areas were identified and 7 of these areas are pre-SMCRA disturbances that are yet to be reclaimed.

The maps show the general location, extent and the dates (as can best be determined) for the highwall areas associated with mine openings.

In general, the plans for the mine openings call for the installation of a concrete plug or seal within the mine portal. The Highwall areas will be backfilled to a nominal slope of 2:1.

Appendix B of the proposal is a photo essay of the extent of fill of highwalls. The photos provide an excellent pictorial description of the portal areas and approximate how fill material will be positioned during reclamation.

As noted in the photos, most of the mine openings are at the base of natural cliffs formed by competent sandstone overlying the coal seam. These natural cliff formations are not considered as part of the highwalls associated with the mine portals. The elimination of highwalls under these conditions only warrant that the portals are properly sealed and backfilled and that exposed coal seams are covered.

Information regarding closure of the mine openings and the elimination of highwall is considered satisfactory except that page A-2 states that, "...to cover the portal and highwall area to a depth of at least 1 foot above the coal seam..." While this comment meets the minimum requirements regarding covering exposed coal seams, the Division recommend that the amount of material covering any exposed coal seam be increased to four feet to help prevent combustion. A nominal cover of only 1 foot does not account for settling or erosion that is likely to occur.

Findings:

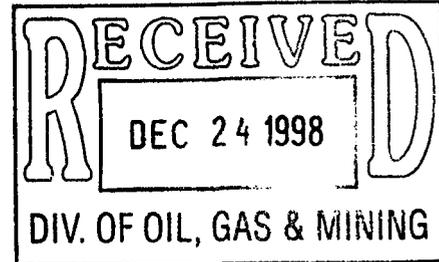
Information found in the proposal meets the minimum regulatory requirements for locating and identifying pre-and post-SMCRA highwall disturbances. The plan calls for the complete elimination, by backfilling, of all highwalls within the permit area.



ACT/015/019 #2
Joe

December 18, 1998

Utah Coal Program
Utah Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801



Attn: Daron Haddock

Re: **Amendment to the Cottonwood/Wilberg Permit for the Purpose of Correcting Plan Deficiencies Associated with Highwall Elimination, PacifiCorp, Cottonwood/Wilberg Mine, ACT/015/019, Emery County, Utah.**

98E

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company ("Energy West") as mine operator, hereby submits an amendment to the Cottonwood/Wilberg (CTW) mine permit which addresses the deficiencies associated with highwall elimination.

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- | | |
|---|--|
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| J - Cottonwood Intake Portals | |

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R - Channel Canyon Breakouts

Of these 18 sites, 7 are pre-SMCRA and denoted with an asterisk. These areas need only to eliminate to the extent practical. The eleven other areas need to eliminate the highwall completely with the exception of the following:

- Area P, Cottonwood Canyon Fan Portal faceoff area was recently reclaimed.
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- Area R, Channel Canyon breakouts were reclaimed in June of 1997 and has been approved for Phase III bond release (6/98).

The above mentioned areas are addressed and will be incorporated in the Cottonwood MRP upon approval.

Revisions to Cottonwood Permit:

Pages – Volume 2, Part 4, page 4-4.4, add highlighted text

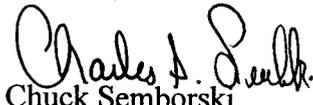
Volume 2, Part 4, addition to this part, add Appendix A and Appendix B

Appendix A includes drawings KS1658D and KS1659D.

Enclosed is seven (7) copies of this amendment. Unless an unforeseen item has been neglected, all parameters necessary for highwall elimination have been covered and are complete.

If you have any questions or concerns regarding this amendment, please feel free to contact Dennis Oakley at (435) 687-4825.

Sincerely,



Chuck Semborski

Environmental/Geology Supervisor

DCO/dco/cas

Enclosures

Cc: Carl Pollastro, w/o enclosures
Dennis Oakley with enclosures
Blake Webster w/o enclosures

APPLICATION FOR PERMIT PROCESSING

<input checked="" type="checkbox"/> Permit Change	<input type="checkbox"/> New Permit	<input type="checkbox"/> Renewal	<input type="checkbox"/> Transfer	<input type="checkbox"/> Exploration	<input type="checkbox"/> Bond Release	Permit Number: ACT/015/019
Title of Proposal: Amendment to the Cottonwood/Wilberg Permit for the Purpose of Correcting Plan Deficiencies Associated with Highwall Elimination, PacifiCorp, Cottonwood/Wilberg Mine, ACT/015/019, Emery County, Utah						Mine: COTTONWOOD/ WILBERG
						Permittee: PACIFICORP

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

Instructions: If you answer yes to any of the first 8 questions (gray), submit the application to the Salt Lake Office. Otherwise, you may submit it to your reclamation specialist.

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	1. Change in the size of the Permit Area? _____ acres Disturbed Area? _____ acres <input type="checkbox"/> increase <input type="checkbox"/> decrease.
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	2. Is the application submitted as a result of a Division Order? DO # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	3. Does application include operations outside a previously identified Cumulative Hydrologic Impact Area?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	4. Does application include operations in hydrologic basins other than as currently approved?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	5. Does application result from cancellation, reduction or increase of insurance or reclamation bond?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	6. Does the application require or include public notice/publication?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	7. Does the application require or include ownership, control, right-of-entry, or compliance information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	9. Is the application submitted as a result of a Violation? NOV # _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	10. Is the application submitted as a result of other laws or regulations or policies? Explain: _____
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	11. Does the application affect the surface landowner or change the post mining land use?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2?)
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	13. Does the application require or include collection and reporting of any baseline information?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	15. Does application require or include soil removal, storage or placement?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	16. Does the application require or include vegetation monitoring, removal or revegetation activities?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	17. Does the application require or include construction, modification, or removal of surface facilities?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	18. Does the application require or include water monitoring, sediment or drainage control measures?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	19. Does the application require or include certified designs, maps, or calculations?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	20. Does the application require or include subsidence control or monitoring?
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	21. Have reclamation costs for bonding been provided for?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	22. Does application involve a perennial stream, a stream buffer zone or discharges to a stream?
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	23. Does the application affect permits issued by other agencies or permits issued to other entities?

Attach 7 complete copies of the application.

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. (R645-301-123)

Charles A. Semborski
 Signed - Name - Position - Date
 Charles A. Semborski - Geology/Permitting Supervisor 12/18/98

Subscribed and sworn to before me this 18 day of Dec, 19 98.

Barbara J. Adams
 Notary Public
 My Commission Expires: 10-13 2000

Attest: STATE OF Utah
 COUNTY OF Emery



NOTARY PUBLIC
BARBARA J. ADAMS
 15 North Main
 Huntington, Utah 84528
 My Commission Expires
 October 13, 2000
STATE OF UTAH

Received by Oil, Gas & Mining

ASSIGNED TRACKING NUMBER

