



PacifiCorp  
Thermal Generation Environmental Services  
1407 West North Temple, Suite 210  
Salt Lake City Utah, 84116

February 5, 2020

Electronically Submitted

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

**Subj: Amendment to the Cottonwood Mine Reclamation Plan to Include As-Built Conditions for the Truck Turn Around within the Disturbed Area of the TMA Area, Cottonwood/Wilberg Mine, C/015/0019, Emery County, Utah**

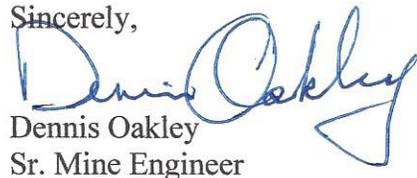
PacifiCorp hereby submits an amendment to include as-built conditions of the Emery County truck turn-around. In July of 2019, Emery County Road Department requested the use of PacifiCorp land within the Cottonwood Mine disturbed area. PacifiCorp granted an easement to Emery County and followed by submitting an amendment on September 23, 2019 to show the proposed plans for the truck turn-around. This amendment was approved on October 9, 2019 and clean copies were submitted. In December 2019, those plans were completed.

Attached are the revised sections of the Cottonwood/Wilberg mine permit as follows:

- Volume 2, Part 4: page 26
- Volume 2, Part 4: Appendix I: Site Plan
- Volume 2, Part 4: Attachment A

C1/C2 form are included for insertion into the Cottonwood/Wilberg MRP. If you have any questions or concerns regarding this amendment, please contact me at 801-220-4632.

Sincerely,



Dennis Oakley  
Sr. Mine Engineer

Cc: file

# APPLICATION FOR COAL PERMIT PROCESSING

Permit Change  New Permit  Renewal  Exploration  Bond Release  Transfer

**Permittee:** PacifiCorp

**Mine:** Cottonwood Mine

**Permit Number:** C/015/0019

**Title:** Amendment to the Cottonwood Mine Reclamation Plan to Include As-Built Conditions for the Truck Turn Around within the Disturbed Area of the TMA Area, Cottonwood/Wilberg Mine, C/015/0019, Emery County, Utah

**Description,** Include reason for application and timing required to implement:

To include as-built conditions of snow plow turn-around.

**Instructions:** If you answer yes to any of the first eight (gray) questions, this application may require Public Notice publication.

- Yes  No 1. Change in the size of the Permit Area? Acres: \_\_\_\_\_ Disturbed Area: \_\_\_\_\_  increase  decrease.
- Yes  No 2. Is the application submitted as a result of a Division Order? DO# \_\_\_\_\_
- Yes  No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
- Yes  No 4. Does the application include operations in hydrologic basins other than as currently approved?
- Yes  No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
- Yes  No 6. Does the application require or include public notice publication?
- Yes  No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
- Yes  No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
- Yes  No 9. Is the application submitted as a result of a Violation? NOV # \_\_\_\_\_
- Yes  No 10. Is the application submitted as a result of other laws or regulations or policies?

*Explain:* \_\_\_\_\_

- Yes  No 11. Does the application affect the surface landowner or change the post mining land use?
- Yes  No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
- Yes  No 13. Does the application require or include collection and reporting of any baseline information?
- Yes  No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
- Yes  No 15. Does the application require or include soil removal, storage or placement?
- Yes  No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
- Yes  No 17. Does the application require or include construction, modification, or removal of surface facilities?
- Yes  No 18. Does the application require or include water monitoring, sediment or drainage control measures?
- Yes  No 19. Does the application require or include certified designs, maps or calculation?
- Yes  No 20. Does the application require or include subsidence control or monitoring?
- Yes  No 21. Have reclamation costs for bonding been provided?
- Yes  No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
- Yes  No 23. Does the application affect permits issued by other agencies or permits issued to other entities?

**Please attach one (1) review copy 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.

Dennis Oakley  
Print Name

*Dennis Oakley* 2/4/20  
Sign Name, Position, Date

Subscribed and sworn to before me this 4 day of February, 2020

*Sally Hill*  
Notary Public

My commission Expires: 9-17, 2020  
Attest: State of Utah } ss:  
County of SALT LAKE



**For Office Use Only:**

Assigned Tracking  
Number:

Received by Oil, Gas & Mining



**PacifiCorp**  
**Cottonwood/Wilberg Mine**  
**C/015/0019**

Amendment to the Cottonwood Mine  
Reclamation Plan to Include As-Built Conditions  
for the Truck Turn Around within the Disturbed  
Area of the TMA Area

Volume 2, Part 4

Replace page 26 (highlighted text)

## ***Cottonwood/Wilberg Mines***

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Due to the natural dip of the strata, the Trail Mountain Access (TMA) portal in Cottonwood Canyon (final reclamation in November 2014) is the lowest within the existing Cottonwood/Wilberg mine permit area. Groundwater intercepted during the development of the TMA development entries flows to the TMA portal. To prepare for the permanent discharge, PacifiCorp installed a series of three sediment traps located 100 feet apart within the mine to settle out particles prior to discharge. Refer to the as-built drawing of the system in Appendix I. A solid block seal (built to MSHA requirements) was constructed 25 feet in by the portal entrance. A French drain system was installed with 6” perforated PVC pipe behind the seal. A secondary decant pipe was installed at the bottom of the seal along with a backup decant line installed 2 feet from the roof. Each line was fitted with a shut-off valve. Durable drain rock of 2-4 inch sizing was placed over the perforated drain line. Pea sized gravel was placed over the drain rock as a filtering system. The thickness of the filtering system is approximately 4 feet thick.

Mine water is discharged through the seal into a 6 inch buried PVC that parallels the Emery County Road 506 for approximately 200 feet below the portal. The pipe drops into a 36 inch bypass culvert which discharges into the Cottonwood Canyon Creek. Since 2001 the discharge of mine water has averaged approximately 21 gpm. This discharge is considered permanent for post-mining land use. PacifiCorp currently possesses a UPDES permit (#UT0022896-001) for this site and monitors the quality and quantity on a monthly basis at the inlet of the 36” bypass culvert. At reclamation, Emery County Road Department requested that the 6 inch buried PVC line be left in place to keep ice from potentially building up in a road ditch in the winter and pushing ice onto the road. In a letter dated February 2015, Emery County Road Department committed to maintaining the line within their right of way. See Appendix I to review the letter from Emery County and the updated design drawing from 2001.

In 2019, Emery County requested that an area in the TMA disturbed area be used as a snow plow turn-around. As the County is responsible for plowing the Cottonwood Canyon road, there is no safe place for their plows to turn around. PacifiCorp ~~has given~~ **granted** the County an easement to utilize this area. The approved easement is found in Appendix I. Also included in Appendix I is the **as-built** plan for this area. The area ~~will be~~ **has been** graveled and includes **an 18” culvert, which parallels the county road,** as a permanent reclamation feature.

**PacifiCorp**  
**Cottonwood/Wilberg Mine**  
**C/015/0019**

Amendment to the Cottonwood Mine  
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Area of the TMA Area

Volume 2, Part 4, Appendix I

Replace Site Plan (two pages: highlighted text)

**PacifiCorp**

**Cottonwood/Wilberg Mine**

**C/015/0019**

**Appendix I**

**Plan for Truck Turnaround at the Trail Mountain Access  
Reclamation Site (completed 12/2019)**

**Site Plan:**

Emery County proposes to construct a snow plow truck turn around within the disturbed area of the 1.86 acre site of the Trail Mountain Access area. The County claims that their trucks cannot safely turn around at the end of the county road #506. The county expressed their concerns with PacifiCorp about acquiring an easement within the company's reclamation site. PacifiCorp agreed with the county and issued them an easement to allow them to construct the turnaround.

Within the easement, approximately 0.04 acres will be impacted by the turnaround. A 70 foot 18" CMP will be installed which will keep the truck from impacting any drainage from above the site. Refer to the hydrological calculations for contributing runoff and culvert sizing.

A large boulder on the east side of the easement will be removed and disposed of. The surface of the turnaround will be covered with 6" of untreated base course. The base course will be graded to allow for runoff and compacted to the specifications of the Emery County Road Department. The turnaround and all its appurtenances will be a permanent feature of the reclamation site.

**Note: This work was completed in December 2019.**

**PacifiCorp**  
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Volume 2, Part 4, Appendix I

Replace Attachment A

