

## Dave Kubeczko - DNR

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**From:** Dave Kubeczko - DNR  
**Sent:** Thursday, June 15, 2017 3:54 PM  
**To:** Dave Kubeczko - DNR  
**Subject:** Resend: TEP Rocky Mountain LLC (Terra), Trail Ridge Pit 11-5-697 Location, NWNW Sec 5 T6S R97W, Garfield County, Form 15#401261675 Review

**Categories:** Operator Correspondence

Scan No. 2108178

SUPPLEMENTAL OPERATOR CORRESPONDENCE

15# 401261675

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**From:** Mike Gardner [mailto:[MGardner@terraep.com](mailto:MGardner@terraep.com)]  
**Sent:** Thursday, June 15, 2017 3:51 PM  
**To:** Dave Kubeczko - DNR  
**Cc:** [vicki.schoeber@wpxenergy.com](mailto:vicki.schoeber@wpxenergy.com)  
**Subject:** RE: Resend: TEP Rocky Mountain LLC (Terra), Trail Ridge Pit 11-5-697 Location, NWNW Sec 5 T6S R97W, Garfield County, Form 15#401261675 Review

Dave,

We are good with these COAs. Thanks again for all of your help ... it is greatly appreciated!

Mike Gardner  
Cell: (970) 623-4875  
Office: (970) 263-2760  
[mgardner@terraep.com](mailto:mgardner@terraep.com)

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**From:** Dave Kubeczko - DNR [mailto:[dave.kubeczko@state.co.us](mailto:dave.kubeczko@state.co.us)]  
**Sent:** Thursday, June 15, 2017 1:07 PM  
**To:** Mike Gardner <[MGardner@terraep.com](mailto:MGardner@terraep.com)>  
**Cc:** [vicki.schoeber@wpxenergy.com](mailto:vicki.schoeber@wpxenergy.com)  
**Subject:** Resend: TEP Rocky Mountain LLC (Terra), Trail Ridge Pit 11-5-697 Location, NWNW Sec 5 T6S R97W, Garfield County, Form 15#401261675 Review  
**Importance:** High

Mike and Vicky,

COGCC has been reviewing the TEP Rocky Mountain LLC (Terra), Trail Ridge Pit 11-5-697 Location **Form 15 #401261675**. The COGCC would like to attach the following conditions of approval (COAs) based on the data Terra has submitted on or attached to the Form 2A #401261983 and Form 15 #401261675, or subsequently in emails, will be placed on these two permits prior to passing the Pit Permit Oil and Gas Location Assessment (OGLA) review.

**Below are the revised (highlighted yellow) and new (highlighted green) COAs for the Form 15 Pit Permit for your review. COGCC would like to finalize them on the Form 15 by Friday, June 16, 2017.**

**Planning:** The following conditions of approval (COA) will apply:

**COA 90a - Within 45 days of approval of the Form 15 Pit Permit, operator shall have adequate financial assurance per Rules 704 and 908.11.g.(1)B.**

**COA 90b** - Prior to first use of the multi-well pit, operator shall submit and receive approval of an E&P waste management plan per Rule 907.a.(3).

**COA 90c** - The operator shall submit via a Form 4 Sundry Notice, an Operations Plan consistent with the requirements per Rule 908. CENTRALIZED E&P WASTE MANAGEMENT FACILITIES; b. Permit requirements; (8) Operating plan, pPrior to first use of the multi-well pit, operator shall submit an Operating Plan and Contingency Plan, generally consistent with Rules 908.b.(8) and 908.b.(11) via Form 4 Sundry Notice. The Contingency Plan shall include procedures if liners are compromised and if fluids are found in the leak detection system.

**COA 90d** - Per Rule 902.e, this multi-well pit is permitted for maximum of three (3) years use. The operator shall cease using the pit after three (3) years use and immediately begin pit closure in accordance with Rule 905 unless the following conditions are met;; a Form 28, Application for a Centralized E&P Waste Management Facility is submitted COGCC within two (2) years of the Form 15 approval date, the Form 28 is deemed complete by COGCC, and the pit construction and operation is in full compliance with Rule 908. In order for the Form 28 to be deemed complete, it must fully comply with Rule 908 and a not require a Rule 502.b variance from any part of Rule 908.

**COA 95a** - Operator shall submit additional Location Pictures (since the initial Location Pictures were taken during the winter) as required by Rule 303.b.(3)B. prior to commencement of construction of location and multi-well pit.

**COA 95b** - Operator shall provide four (4) color photographs of the reference area, taken during the growing season of vegetation and facing each cardinal direction, within twelve (12) months after approval of the Form 2A permit. Each photograph shall be identified by date taken, well or Oil and Gas Location name, and direction of view.

**COA 99** - Unless otherwise stated in site-specific COAs, operator shall comply with all provisions of the **NOTICE TO OPERATORS (NTO) DRILLING WELLS WITHIN ¾ MILE OF THE RIM OF THE ROAN PLATEAU IN GARFIELD COUNTY - PIT DESIGN, CONSTRUCTION, AND MONITORING REQUIREMENTS, dated June 12, 2008.**

**Location Construction:** The following conditions of approval (COAs) will apply to construction of the multi-well pit location:

**COA 44** - The access road from Garden Gulch Road to the multi-well pit location will be constructed and maintained as to not allow sediment to migrate from the access road to nearby surface water or any drainages leading to surface water.

**COA 76** - Strategically apply fugitive dust control measures, including encouraging established speed limits on private roads, to reduce fugitive dust and coating of vegetation and deposition in water sources.

**COA 58** - Berms or other containment devices shall be constructed of corrugated steel (or equivalent) with an impervious liner, to contain any spilled or released material around temporary or permanent condensate/oil and/or produced water storage tanks.

**COA 31** - The Construction Layout Drawings indicate that the edge of cut is 20 feet from the edge of the multi-well pit and pit fencing. If the facility will be converted to a Centralized E&P Waste Management Facility per Rule 908, the operator shall construct the Facility in accordance with Rule 908.5.(5).D. No variance will be granted.

**Earthen Pit Construction:** The following conditions of approval (COAs) will apply for construction of the multi-well pit and ancillary facilities:

**COA 66** - Delivery and vacuum truck hoses will not be allowed to be placed directly onto the pit liner. Operator will construct a loading/unloading station located next to the pit's tank battery and manifold areas, to deliver fluids to or remove fluids from the pit by truck (if necessary). The loading/unloading station will have a catch basin in case a leak occurs while personnel are connecting or disconnecting hoses or transferring fluids. Signs clearly marking the truck loading/unloading station shall be provided and maintained by the operator. The loading/unloading station will be the only permitted access for manual fluids transfers (if necessary) to or from the pit.

**COA 61** - Operator must submit a professional engineer (PE) approved/stamped as-built drawing (plan view and cross-sections) of the multi-well pit and the oil and gas location (including all tanks and other pit operations equipment) within 30 calendar days of construction of all the location, pit, and all operating equipment.

**COA 22** - After installation of the uppermost liner and prior to operating the pit, the synthetic liner(s) integrity shall be tested to the operating capacity of the pit facility (not to exceed the 2-foot freeboard requirement). The operator shall monitor the pit for leaks for a period of 72 hours prior to either draining the pit or commencing operations. Operator shall notify the COGCC 48 hours prior to start of the hydrotest using the Form 42. Hydrotest monitoring results must be maintained by the operator for the life of the pit and provided to COGCC prior to using the pit via a Form 4 Sundry.

**COA 59** - The multi-well pit must be fenced and netted. The operator must maintain the fencing and netting until the pit is closed. The fencing shall be placed a minimum of 1-foot from the pit liner anchor trench.

**COA 74** - Operator will use adequately sized secondary containment devices for all chemicals and/or hazardous materials stored or used on location.

**COA 40** - Operator will implement measures to ensure that adequate separation of hydrocarbons from the influent occurs to prevent accumulation of oil on the surface of stored completions fluids. Operator shall also employ a method for monitoring buildup of phase-separated hydrocarbons on the surface of stored fluids.

**COA 41** - No oil is permitted on the surface of completions fluids.

**COA 19** - The multi-well pit shall be used for a period of no more than three (3) years for storage, recycling, reuse, treatment, or disposal of E&P waste or fresh water, as applicable. The three year time clock will start from the date of first use after hydrostatic testing and be based on submittal of the Form 42 providing that date.

**Completions Operations:** The following condition of approval (COA) will apply to the pit location during completion operations at nearby locations:

**COA 26** - Potential odors associated with the multi-well pit operations must be controlled/mitigated.

If you have any questions, please do not hesitate to call me at (970) 309-2514 (cell), or email. Thanks.

Dave

David A. Kubeczko, PG  
Oil and Gas Location Assessment Specialist  
Western Colorado



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