

State of Colorado Energy & Carbon Management Commission

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Document Number: 403385474 Date Received: 06/27/2023

EARTHEN PIT REPORT / PERMIT

This form is to be used for both reporting and permitting pits. Rule 908 describes when a Permit with prior approval, or a Report within 30 days is required for pits. Submit required attachments and forms.

Form Type: [ ] PERMIT [X] REPORT ECMC PIT NUMBER: 489326

NOTE: Operator to provide ECMC Pit Number only if available on an existing pit for pit report

ECMC Operator Number: 96850 Contact Name: Michael Gardner
Name of Operator: TEP ROCKY MOUNTAIN LLC
Address: 1058 COUNTY ROAD 215 Phone: (970) 623-4875
City: PARACHUTE State: CO Zip: 81635 Email: mgardner@terraep.com

Pit Location Information

Operator's Pit/Facility Name: South Leverich 13-09 Cutting Trench Operator's Pit/Facility Number:
API Number (associated well): 05- 00
ECMC Location ID (associated location): 335045 Or Form 2A #
Pit Location (QtrQtr, Sec, Twp, Rng, Meridian): NESE-13-7S-94W-6
Latitude: 39.435343 Longitude: -107.828970 County: GARFIELD

Operation Information

Construction Date: Actual or Planned: Actual Pit Type: Unlined
Per rule 405.c: Operators will provide the Commission written notice 2 business days in advance of a Pit liner installation at any facility.
Pit Use/Type (Check all that apply):
[ ] Drilling: (Ancillary, Completion, Flowback, Reserve Pits) [ ] Oil-based Mud [ ] Salt Sections or High Chloride Mud
[ ] Production: [ ] Skimming/Settling [ ] Produced Water Storage [ ] Percolation [ ] Evaporation
[ ] Special Purpose: [ ] Flare [ ] Blowdown [ ] BS&W/Tank Bottoms
[ ] Multi-Well Pit: [ ] Check if Rule 909.g.(1-4) applies.
[X] Cuttings Trench
[ ] Form 15 Exception Pit Submitted within 30 Days after Constructing (908.c): [ ] Emergency [ ] Workover [ ] Plugging
Method of treatment prior to discharge into pit: De-Watering
Offsite disposal of pit contents: [ ] Injection; [ ] Commercial; [X] Reuse/Recycle; [ ] NPDES; Permit Number:
Other Information:
The purpose of this drill cuttings trench is to receive drill cuttings from 21 new wells drilled on the South Leverich 13-09 well pad (COGCC Location ID 335045). The document number for the approved Form 2A for this location is 403064316, and the most recent Sundry Notice Form 4 is 403356629. Both documents are attached to this Form 15.

Site Conditions

Enter 5280 for distance greater than 1 mile.
Distance (in feet) to the nearest surface water: 640 Ground Water (depth): 90 Water Well: 1089
Distance (in feet) to nearest Building Unit: 5280
Distance (in feet) to nearest Designated Outside Activity Area: 5280

**Pit Design and Construction**

Size of Pit (in feet): Length: 424 Width: 50 Depth: 16 Calculated Working Volume (in barrels): 59584  
Flow Rates (in bbl/day): Inflow: 500 Outflow: \_\_\_\_\_ Evaporation: \_\_\_\_\_ Percolation: \_\_\_\_\_  
Primary Liner. Type: Earthen Trench Thickness (mil): 0  
Operational Lifespan, per manufacturer's specs (years): 1000  
Secondary Liner (if present): Type: none Thickness (mil): \_\_\_\_\_  
Operational Lifespan, per manufacturer's specs (years): 0  
Is Pit Fenced? Yes Is Pit Netted? No Leak Detection? No

**Pit Emissions**

Attach Pit Emission Calculations.

Estimated tons per year (tpy) of volatile organic compounds (VOCs): 2 (Round to nearest whole ton.)

Other Information:

Air emissions from drill cuttings are considered to be "pre-production" phase, and are currently not regulated per CDPHE

Operator  
Comments:

All drill cuttings will be treated/amended onsite to meet COGCC 915-1 clean up standards and will be disposed on site. Any cuttings exceeding the volume of the cuttings trench will be hauled offsite to a permitted commercial disposal facility.

In compliance with Rule 911.a, a Form 27 will be submitted to document final closure of the South Leverich 13-09 drill cuttings trench and to convey sampling data that supports closure of the cuttings trench.

Under the Pit Design and Construction Information section, the "Calculated Working Volume" of the cuttings trench has been converted from cubic yards (12,390 cy) to barrels (~59,584 bbls). Similarly, the daily flow rate has been estimated / converted from cubic yards to barrels.

Also, the "Operational Lifespan, per manufacturer's specs (years)" is a required value to complete this Form 15; however it is not applicable to an earthen pit where there are no primary or secondary liners. Therefore, a default value of 1000 years was used.

Refer to the attached documents for site diagrams with cross sections, waste management plan, aerial imagery maps, GarCO permit approval and sensitive area determination.

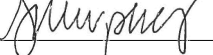
**Certification**

Rule 909.e.(3): If an Operator allows oil or condensate (free product or sheen) to accumulate in a Pit, then the Director may revoke the Operator's Form 15 and require the Operator to close and remediate the Pit.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Kris Rowe  
Title: TEP Environmental Email: krowe@terraep.com Date: 06/27/2023

**Approval**

Signed:  Title: Director of ECOM Date: 02/20/2025

## Operator Best Management Practices

**No BMP/COA Type**

**Description**

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**CONDITIONS OF APPROVAL, IF ANY LIST**

**COA Type**

**Description**

	Contingency Sampling of the water/bentonite based drill cuttings will occur regardless of whether the original "background" or "baseline" samples collected from each well drilled are compliant with Table 915-1. The 6-point composite samples from each well may be used for preliminary analysis and waste profiling; however, discrete sample results will be required for confirmation sampling. The operator will need to close out the cuttings trench with a Form 27. The operator will propose the number of discrete samples, the locations, and depth intervals for the confirmation samples. The depth intervals will be selected to provide sufficient coverage between 0 and 13 to 19 feet below the final top surface of the cuttings within the trench. Upon approval of the Form 27, TEP will collect the proposed samples and analyze them for the Table 915-1 constituents.
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	Waste Management Plan Table 5, Waste Handling Summary reports Contaminated Soils with a Disposal Type of "On-site Disposal" and a Disposal location of "O&G Location." Per the definition of a Cuttings Trench, only dried cuttings generated from drilling a Well may be stored and disposed of in a cuttings trench. Contaminated Soils are not allowed in the cuttings trench or to be disposed of on location per Rule.
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2 COAs

### ATTACHMENT LIST

**Att Doc Num**

**Name**

403385474	PIT PERMIT SUBMITTED
403446841	OTHER
403446842	AS BUILT: PLAN AND CROSS SECTION
403446843	TOPOGRAPHIC MAP
403446844	OPERATIONS PLAN
403446851	SENSITIVE AREA DETERMINATION
403446853	OTHER
403446854	OTHER
403446855	OTHER

Total Attach: 9 Files

### General Comments

**User Group**

**Comment**

**Comment Date**

Environmental	South Leverich 13-09 Cutting Trench Since the South Leverich 13-09 Cutting Trench has been constructed, ECMC has changed this from Pit Permit to Pit Report.	02/20/2025
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Total: 1 comment(s)