

**Objective Criteria Review Memo - TEP Rocky Mountain LLC (TEP), GM Chevron Tank Facility Pad, Form 2A #402035184.**

This summary explains how COGCC staff conducted its technical review of the GM Chevron Tank Facility Pad, Form 2A #402035184, Facility ID #452926 within the context of SB 19-181 and for the required Objective Criteria. This Form 2A permit application met the following Objective Criteria -

1. *(Criteria 5.c) The existing oil and gas location is in a sensitive area for surface water resources.*
2. *(Criteria 6) The existing oil and gas location falls within CPW mapped 'sensitive wildlife habitat' (SWH) area for mule deer critical winter range.*
3. *(Criteria 12) The existing access road (the road constructed from Garfield County Road 215 [Parachute Creek Road] to the oil and gas location) falls within CPW mapped 'sensitive wildlife habitat' (SWH) area for mule deer critical winter range.*

COGCC staff met with the Director to discuss whether the Objective Criteria were sufficiently addressed and whether the Form 2A could be approved with the proposed Best Management Practices (BMPs) and applied Conditions of Approval (COAs). The GM Chevron Tank Facility Pad was constructed in 2000 prior to the COGCC rules that required a Form 2A.

The operator submitted the Form 2A because they are planning to expand the location and install four (4) additional condensate storage tanks within the existing corrugated steel / poly lined secondary containment structure. Two (2) VOC combustors will be installed on the expanded area of the location, north of the tank containment area. This tank facility location is being upgraded to support storage for condensate production from the Chevron GR 12-29 Pad (Location ID #335260, amended Form 2A #401991715), the Chevron-66S96-29NENW Pad (Location ID #335088), and future wells on the GM 12-20 Pad (Location ID #335426, amended Form 2A #402202966). The following sections provide details regarding the evaluation of each criterion.

**Criteria 5.c:** Oil and Gas Locations within: c) a Sensitive Area for water resources.

**Site Specific Description of Applicability of Criteria 5.c:** Based on the technical review and desktop evaluation, staff determined that there are two (2) unnamed USGS identified intermittent drainages (one located approximately 200 feet to the northwest and the other approximately 300 feet to the northwest, flowing southwest to northeast into a tributary drainage) and the Jangles Ditch (located approximately 510 feet to the east of the existing facility, flowing north to south from the same tributary drainage). The drainages are sub-tributaries leading to Parachute Creek. The facility, as it is currently constructed, limits the direction of a potential release towards the southeastern side. If a potential release were to migrate off the location, flow would be to the south and out onto open rangeland, not towards any drainage.

**Site Specific Measures to Address Criteria 5.c:** This existing fee surface oil and gas location (Facility ID #452926) constructed in 2000 had ten (10) product storage tanks initially installed. In 2011, the number of tanks was reduced to four. Currently, there is one (1) produced water and three (3) condensate storage tanks. In October 2017, a spill/release of approximately 60 barrels of a condensate/produced water mixture occurred from one tank within the lined secondary containment structure. A vacuum

truck was used and all fluids were recovered. There was no evidence of a breach in the liner and the entire liner was re-inspected.

The 0.40 acre location will be re-constructed in a manner to control run-on and run-off, prevent offsite transport of sediments or contaminants, and minimize site degradation. Storm water BMP's will include continuous perimeter berms, cut edge diversion ditches, and other control measures as needed. Current site degradation control measures include grading, slope stabilization (seeding, mulching, surface roughening), and the use of gravel and road base materials for surfacing. Through maintenance of the existing steel / poly lined secondary containment structure, the potential for impacts to surface water resources is low.

**Summary:** During the technical review process for this Form 2A, COGCC staff reviewed information regarding the operator's planned activities, fluid containment, and existing and planned storm water/erosion control measures. The Form 2A drawings and site-specific BMPs address the protection of surface water resources and include the maintenance of the existing steel / poly lined secondary containment structure, use of gravel for surfacing, surface grading away from surface water features, continuous perimeter berming, and diversion ditches.

**Criteria 6:** Oil and Gas Locations within a Colorado Parks and Wildlife ("CPW") mapped Restricted Surface Occupancy Area ("RSO") or Sensitive Wildlife Habitat ("SWH"), or locations receiving site- or species-specific CPW comments.

**Criteria 12:** Oil and Gas Locations with an access road (the road constructed from the public road to the Oil and Gas Location) within a RSO, SWH, 317B buffer zone, or within 200' feet of a Building Unit on lands not subject to a Surface Use Agreement.

**Site Specific Description of Applicability of Criteria 6 and 12:** Based on the technical review and desktop evaluation, staff determined that this existing oil and gas location and access road from Garfield County Road 215 (Parachute Creek Road) fall within a CPW-mapped 'sensitive wildlife habitat' (SWH) area for mule deer critical winter range.

**Site Specific Measures to Address Criteria 6 and 12:** The existing access road and location fall within CPW mapped 'sensitive wildlife habitat' (SWH) area for mule deer critical winter range habitat. COGCC contacted TEP to determine the timeframe and duration of the planned activities (tank pad re-construction, re-configuration, and facility equipment installation). The activities will start in May 2020 and are estimated to take three to four weeks to complete. Since this is a dedicated tank facility, interim reclamation will be limited to berms and topsoil storage.

Given the site will be re-constructed after April 30 and that this will be a tank battery without active drilling operations, CPW does not see a need for mitigation. BMPs to address wildlife conflicts, erosion and storm water control, interim reclamation, certified weed-free native and wildlife friendly seed mixes, and remote facilities monitoring, are adequate to minimize any other wildlife impacts from the proposed activities.

**Summary:** During the technical review process for this Form 2A, COGCC staff reviewed the CPW pre-consultation and Form 2A consultation for this location. The tank pad re-construction, re-configuration, and facility equipment installation are planned for May

2020 and be completed in one month, outside of the CPW recommended deer and elk timing stipulation of December 1 to April 30.

**Director Determination:** Staff met with the Director to discuss Objective Criteria that are met by this Oil and Gas Location.

- the Director determined Criteria 5.c. was sufficiently analyzed since COGCC's review of information regarding the operator's planned activities, fluid containment, existing and planned storm water/erosion control measures, the Form 2A drawings, and the site-specific BMPs that address the protection of surface water resources meet the standard for protection of the sensitive environment and water resources; and
- the Director determined Criteria 6 and 12 were sufficiently analyzed since this is a built location within a developed and disturbed area; and according to CPW, the re-construction, re-configuration, and facility equipment installation (scheduled to be completed in one month starting May 2020) would have no adverse impacts to wildlife or habitats within this area since the activities are taking place outside of the CPW recommended deer and elk timing stipulation of December 1 to April 30.

Based on the additional analysis from the Objective Criteria, the Director has determined that this permit application meets the standard for protection of public health, safety, welfare, the environment and wildlife resources set by SB 19-181.