

Adam Tankersley

From: Slezak - DNR, Elissa <elissa.slezak@state.co.us>
Sent: Wednesday, October 16, 2019 11:03 AM
To: Adam Tankersley
Cc: Taylor Elm - DNR; Trevor Burrell
Subject: Re: RWF 12-9 Pad (& Support Facilities) - CPW Pre-App Review

Hi Adam,

I just sent you and Jim and email regarding an follow up on-site for the 12-9 pad on Oct 30, hopefully that will work for all of us.

I've reviewed the project PODs and plats. All of the facilities and activity fall within or directly adjacent to Mule Deer Critical Winter Range Sensitive Wildlife Habitat (SWH), as well as a mule deer migration corridor.

CPW supports TEP beginning construction activities for the 12-9 pad and associated facilities as soon as possible after May 1, 2020 in order to complete drilling operations by Dec 2020 (or earlier, if possible), and then finish completion operations as soon as possible to minimize disturbance on Big Game Winter Range. CPW strongly encourages TEP to make scheduling a priority to avoid the Big Game Winter Timing Limitation (TL) to the greatest extent possible.

CPW plans to discuss appropriate compensatory mitigation with TEP and the BLM for any activity that falls within the Dec 1- April 30 Big Game Winter TL. If operations are delayed significantly and pushed further into this time period, CPW would like to discuss an updated timeline with TEP and BLM.

CPW supports TEP's proposed BMPs including:

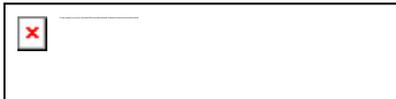
- Utilization of existing pads for new drilling, and existing roads for access and as corridors for proposed pipelines
- Enforcement of speed restrictions and minimization of traffic and operations outside the hours of 10am-3pm during the Big Game Winter TL
- Bear-proof garbage practices
- Reclamation using wildlife friendly seed mixes
- Noxious weed control

If I have anything to add after the on-site, I will let you know. It is very helpful to have all of the related sites together in one proposal for our review.

Thanks,
Elissa

Elissa Slezak

Northwest Region Land Use Specialist
Colorado Parks and Wildlife



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On Thu, Oct 10, 2019 at 5:29 PM Adam Tankersley <ATankersley@terraep.com> wrote:

Elissa,

As mentioned in my previous email, the construction layout and plan of development maps for the RWF 12-9 Pad, DOE RM 2-8, RMV 12-16, and Clough 104 Tank Battery are attached for your review.

I will be out of town beginning October 18th. If possible I'd like to have feedback from you on or before Wednesday October 16th. Also, if you'd like to visit these locations please give me a call. I'm available most days early next week.

Thanks,

Adam Tankersley

Planning Lead

(970) 623-8994 Office

(970) 589-6277 Cell



From: Adam Tankersley

Sent: Thursday, October 10, 2019 5:22 PM

To: 'Slezak - DNR, Elissa' <elissa.slezak@state.co.us>

Cc: Taylor Elm - DNR <taylor.elm@state.co.us>; Trevor Burrell <tburrell@terraep.com>

Subject: RWF 12-9 Pad (& Support Facilities) - CPW Pre-App Review

Good Afternoon Elissa,

We are in the process of preparing the permit applications for the RWF 12-9 pad and the associated support facilities (DOE RM 2-8 pad, RMV 12-16 pad, and Clough 104 pad) and would like to discuss any concerns CPW may have related to the planned activities at this facility. The RWF 12-9 pad is an existing well pad located on Federal surface in the NESE of Section 8, Township 6 South, Range 94 West, 6th P.M. within Garfield County, Colorado. TEP is proposing to drill,

complete, and operate ten (10) new Federal wells from the RWF 12-9 pad. Per TEP's current operations schedule, construction activities for the RWF 12-9 pad and the associated support facilities is scheduled to begin in Spring of 2020. Drilling operations for the ten (10) proposed wells on the RWF 12-9 pad would begin October of 2020 and would be complete December of 2020. Well completion operations would then begin in January 2021 and would be complete February 2021.

TEP will utilize three (3) ancillary support facilities (DOE RM 2-8 pad, RMV 12-16 pad, and Clough 104 pad) during development of the proposed wells on the RWF 12-9 pad. The DOE RM 2-8 pad will be utilized for long-term production operations as the separators for the ten (10) proposed wells on the RWF 12-9 pad would be installed on the DOE RM 2-8 pad. The RMV 12-16 pad would be utilized as the remote frac pad during well completions operations. Completions equipment including frac tanks, blenders, sand silos, and pumps will be temporarily staged on the RMV 12-16 pad during completions operations. The Clough 104 pad will be utilized for long-term production operations to support storage of condensate production. In an effort to minimize new surface disturbance, or disturbance to wildlife habitat, TEP utilizes existing locations whenever possible. All three (3) locations mentioned above are existing Oil and Gas Location operated by TEP.

The Mitigation and BMP table attached outlines which locations TEP will be providing compensatory mitigation for if operation are conducted during winter months. The table also includes wildlife BMPs we are proposing to include in the permit. Also attached is the draft Surface Use Plan of Operations which details the project including activities at the support facilities mentioned above. I will send the Plan of Development Maps and Construction Layouts in a separate email.

Please review the proposed development plan and proposed BMPs and let me know if you have any questions or concerns regarding the RWF 12-9 pad or the support facilities.

Thanks,

Adam Tankersley

Planning Lead

(970) 623-8994 Office

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Pad Name / Access Road	Sensitive Wildlife Habitat	Restricted Surface Occupancy	Compensatory Mitigation Requirements	Proposed Best Management Practices
RWF 12-9 Pad (Well Pad)	Within 200' of Mule Deer Critical Winter Range	NA	TEP will consult with BLM and CPW to determine appropriate compensatory mitigation to off-set impacts to wildlife if construction, drilling, or completions operations are planned to occur during winter months (Dec 1 - April 30).	<ol style="list-style-type: none"> Utilize existing location to greatest extent possible to minimize impacts to wildlife habitat. Piping fluids to centralized facility minimizing onsite activities and traffic to site. Implement and enforce speed restrictions on lease roads to minimize potential for wildlife related traffic accidents. Make best efforts to minimize onsite operations during winter months by maximizing operation when possible between the hours of 10:00am and 3:00pm when wildlife activities are low. Utilize bear proof trash receptacles and report bear conflicts immediately to CPW. Reclaim the site using CPW-identified native shrubs, grasses and forbs, and preclude the use of aggressive non-native species. Use certified weed free grass hay, straw, hay, or other mulch during reseeding/reclamation.
DOE RM 2-8 Pad (Production Pad)	Mule Deer Critical Winter Range	NA	TEP will consult with BLM and CPW to determine appropriate compensatory mitigation to off-set impacts to wildlife if construction, drilling, or completions operations are planned to occur during winter months (Dec 1 - April 30).	<ol style="list-style-type: none"> Utilize existing location to greatest extent possible to minimize impacts to wildlife habitat. Implement and enforce speed restrictions on lease roads to minimize potential for wildlife related traffic accidents. Make best efforts to minimize onsite operations during winter months by maximizing operation when possible between the hours of 10:00am and 3:00pm when wildlife activities are low. Utilize bear proof trash receptacles and report bear conflicts immediately to CPW. Reclaim the site using CPW-identified native shrubs, grasses and forbs, and preclude the use of aggressive non-native species. Use certified weed free grass hay, straw, hay, or other mulch during reseeding/reclamation.
RMV 12-16 Pad (Remote Frac Pad)	Mule Deer Critical Winter Range	NA	Compensatory mitigation is not required for the RMV 12-16 pad, however TEP will implement Best Management Practices to minimize impacts to wildlife during all phase of development.	<ol style="list-style-type: none"> Utilize existing location to greatest extent possible to minimize impacts to wildlife habitat. Implement and enforce speed restrictions on lease roads to minimize potential for wildlife related traffic accidents. Make best efforts to minimize onsite operations during winter months by maximizing operation when possible between the hours of 10:00am and 3:00pm when wildlife activities are low. Utilize bear proof trash receptacles and report bear conflicts immediately to CPW. Reclaim the site using CPW-identified native shrubs, grasses and forbs, and preclude the use of aggressive non-native species. Use certified weed free grass hay, straw, hay, or other mulch during reseeding/reclamation.
Clough 104 Pad (Tank Facility)	Mule Deer Critical Winter Range	NA	Construction activities are limited to installation of new tanks, equipment, and plumbing at this location. No compensatory mitigation is begin proposed at this time.	<ol style="list-style-type: none"> Utilize existing location to greatest extent possible to minimize impacts to wildlife habitat. Implement and enforce speed restrictions on lease roads to minimize potential for wildlife related traffic accidents. Make best efforts to minimize onsite operations during winter months by maximizing operation when possible between the hours of 10:00am and 3:00pm when wildlife activities are low. Utilize bear proof trash receptacles and report bear conflicts immediately to CPW. Reclaim the site using CPW-identified native shrubs, grasses and forbs, and preclude the use of aggressive non-native species. Use certified weed free grass hay, straw, hay, or other mulch during reseeding/reclamation.
Access Road (RWF 12-9 and DOE RM 2-8)	Mule Deer Critical Winter Range	NA	NA	See associated pad above
Access Road (RMV 12-16 and Clough 104)	Mule Deer Critical Winter Range	NA	NA	See associated pad above