From: Lilah Hubbard
To: Marette - DNR, Brandon
Cc: Lexi Hamous-Miller - DNR; Travis Harris - DNR; Logan McConnell; Nathan Bennett; Dan Harrington; Scott Farkas; Jeff Annable
Subject: Re: Sunlight/Long Pad (Lowry)
Date: Tuesday, December 10, 2024 3:25:34 PM
Attachments: image.png
Outlook-sk3w3wiw.png
Outlook-wvbpqi1z.png
Crestone_StateSunlightLong_WildlifeMitigationPlan_OGDP_20241210.pdf
Outlook-swr2xgxg.png

Good afternoon Brandon,

Thank you for the clarifications and feedback! We discussed the silt fence suggestion with SLB, and this BMP has been added for the areas of the road that overlap Aquatic HPH.

Please find the Wildlife Mitigation Plan attached, with your feedback and suggestions incorporated into the plan. Please let us know if you have any significant questions/concerns regarding the WMP so we can make any necessary changes prior to submittal or during the OGDP revision process.

Thanks again!

Lilah Hubbard
Natural Resource Specialist
Cell 510-734-4733
555 17th Street |Suite 700 | Denver, CO | 80202
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CIVITAS

From: Marette - DNR, Brandon <brandon.marette@state.co.us>
Sent: Friday, December 6, 2024 11:37 AM
To: Lilah Hubbard <lhubbard@civiresources.com>
Cc: Lexi Hamous-Miller - DNR <lexi.hamous-miller@state.co.us>; Travis Harris - DNR <travis.harris@state.co.us>; Logan McConnell <logan@hwa-wildlife.com>; Nathan Bennett <nbennett@civiresources.com>; Dan Harrington <dharrington@civiresources.com>; Scott Farkas <sfarkas@civiresources.com>; Jeff Annable <jannable@civiresources.com>
Subject: Re: Sunlight/Long Pad (Lowry)

Good morning Lilah,

Thanks for your emails on this matter and patience with my reply.

To answer your questions:
1) I agree with your direct amount, and that indirect amount will not be needed per your reason.
2) I confirmed with ECMC that a WMP will be needed since this proposal impacts HPH.
3) I do not believe a variance is needed, per ECMC rule 1202.c.(2).C - *Access road construction and Flowline/utility corridor clearing and installation activities within the High Priority Habitat identified in Rules 1202.c.(1).Q–S in association with an approved Form 2A may be allowed subject to Best Management Practices or other avoidance measures agreed to in consultation with CPW.* Therefore, I would suggest you have a separate portion of your WMP with that figure and BMPs. Also, could you please add the use of freshwater for dust suppression not mag chloride, produced water or equivalent? Finally, could you talk internally with SLB if a silt fence should be added say 100 ft west of the western berm, say if a truck tips over, and would act as a final containment BMP should spill start just west of that berm?

Then could you please send me your WMP for me to review and eventually approve when we have our formal consultation a few weeks before the hearing?

Regards,

Brandon B. Marette, CWB®
Northeast Region Energy Liaison
Direct (720) 880-0819
6060 Broadway, Denver, CO 80216
brandon.marette@state.co.us
CPW's Energy Webpage
CPW's Wildlife Movements Webpage
THINK SAFETY FIRST!

On Thu, Dec 5, 2024 at 8:59 AM Lilah Hubbard <lhubbard@civiresources.com> wrote:

> Good morning Brandon,
>
> I just wanted to follow up on this. Please let us know if you have any questions or need anything else.

Thank you!

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From: Lilah Hubbard
Sent: Thursday, November 21, 2024 11:49 AM
To: Marette - DNR, Brandon <brandon.marette@state.co.us>
Cc: Lexi Hamous-Miller - DNR <lexi.hamous-miller@state.co.us>; Travis Harris - DNR <travis.harris@state.co.us>; Logan McConnell <logan@hwa-wildlife.com>; Nathan Bennett <nbennett@civiresources.com>; Dan Harrington <dharrington@civiresources.com>; Scott Farkas <sfarkas@civiresources.com>; Jeff Annable <jannable@civiresources.com>
Subject: Sunlight/Long Pad (Lowry)

Good morning Brandon,

We are working through the ECMC permit process for the Sunlight/Long Pad (part of Lowry CAP), and I am following up about the access road improvements and pipeline ROW construction that will partially overlap Mule Deer Severe Winter Range HPH and Aquatic Sportfish Management Waters HPH. As a reminder, the proposed Working Pad Surface and Oil and Gas Location are *outside* HPH. Below are three items/questions for your review:

1. **Mitigation Fees for Mule Deer Severe Winter Range HPH (1202.d):**

   - *Direct Impacts*: below are the direct impact fee calculations (map also attached for reference). Please let us know if these appear correct or if you have any questions.

STATE SUNLIGHT/LONG (MDSWR)						
Direct Calculation	**Proposed pad disturbance acreage**	**Access road disturbance acreage**	**Flowlines or other HPH surface disturbance acreage**	**Total proposed acreage**	**Base cost (per acre)**	**Total mitigation costs**
Temporary Disturbance	0.00	0.00	6.83	6.83	$735.00	$5,020.05
Permanent Disturbance	0.00	5.03	0.00	5.03	$5,295.00	$26,633.85
Total	0.00	5.03	6.83	11.86		**$31,653.90**

   - *Indirect Impacts*: not applicable since the density of active O&G Locations within 1 square mile = 0. Please let us know if this is correct.

2. **WMP vs. WPP:**

   - Can you please confirm which is required: a Wildlife Mitigation Plan or a Wildlife Protection Plan (since O&G Location is outside HPH)? (We will include the final mitigation fees in the plan, regardless of the plan type.)

3. **Variance Request Consultation for Aquatic Sportfish Management Waters (1202.c):**

   - We are preparing to submit a 1202.c Variance request for the portion of road that overlaps Aquatic Sportfish Management Waters HPH. This is for improvements to an existing access road (in compliance with SLB's direction to use the existing road rather than create a new road, which would necessitate new surface disturbance in the SLB's no surface occupancy zone east of the existing road) and for the pipeline ROW to be located immediately east of the road. We previously discussed this area with you and ECMC staff, and the agreed-upon BMPs were included in the Lowry CAP Hearing presentation (also included below).

   - This email is to initiate the formal CPW consultation that will be required as part of the Variance process. The previously agreed-upon BMPs are outlined below for reference. Please let us know if CPW has any additional questions or would like to discuss further.

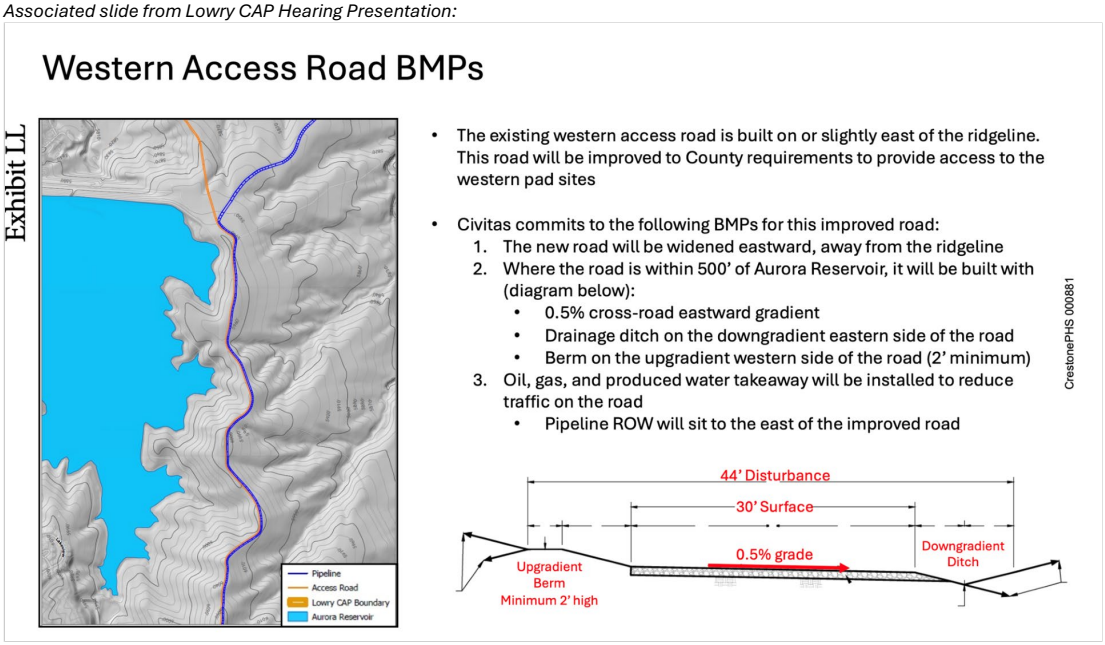
BMPs (for Access Road Improvements and Pipeline ROW):

- An existing road will be used and improved (instead of constructing a new road).
- The road will be widened eastward, away from the ridgeline.
- Where the road is within 500' of Aurora Reservoir, it will be built with:
  - 0.5% cross-road eastward gradient;

- drainage ditch on the downgradient eastern side of the road; and
- berm on the upgradient western side of the road (2' minimum).

- Oil, gas, and produced water takeaway will be installed to reduce traffic on the road.
- Pipeline ROW will be located *east* of the improved road.

Associated slide from Lowry CAP Hearing Presentation:



Thank you,

Lilah Hubbard
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