

## Dwayne Knudson

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**From:** Dwayne Knudson  
**Sent:** Tuesday, October 22, 2019 11:14 AM  
**To:** Fischer - DNR, Alex  
**Cc:** Steven Arauza - DNR; Jim Hughes - DNR; Craig Burger - DNR; Cari Mascioli; Chris McRickard (cmcrickard@ursaresources.com)  
**Subject:** RE: Form 28 Review; Proposed Facility 466144; Boies Ranch Solidification Area.  
**Attachments:** Ursa Form 28 Review Evaporation Rates table - Revised.pdf; Boies Ranch Solidification Area\_Attach I\_Construction Layout Drawing\_08.20.19.pdf

Alex,

I have attached the follow-up information based off of your comments.

- **Question 1:**
  - a. Revised evaporation rate table attached.
- **Question 7:**
  - a. XTO letter is still pending. Will submit separately as soon as it is available (will send in via sundry).
- **Question 9:**
  - a. Updated construction drawings attached showing:
    - i. Perimeter fence
    - ii. Buffer & fire zones more clearly
- **Question 13:**
  - a. Volumes for waste material expected for 2020 are estimated to be 50-100cy annual or 5-10cy of material per month on average.
    - i. This may change depending on drilling operations in 2020.
- **Question 16:**
  - a. Baseline sampling has not yet been completed. Three water wells are proposed for this location. These wells were going to be installed, developed and sampled to comply with the 609 requirements. Installation date for the wells are pending approval of the Form 28.
- **Question 17:**
  - a. Financial assurance estimates were submitted for the reclamation. If the number provided with the Form 28 is acceptable this will be the amount bonded. Bonding will be provided prior to approval of the Form 28. Currently pending the XTO letter and an estimated timeline for Form 28 approval.
- **Rule 908.b.(5).A site plan:**
  - a. Updated site plan is included.
- **Rule 908.b.(5).C Access Control Measures:**
  - a. Updated site plan with fencing outline is included.
- **Rule 908.b.(5).D Fire Lane & Buffer:**
  - a. Updated site plan with Fire and Buffer zones outlined is included.
- **Rule 908.b.7.(C):**
  - a. Updated drawings included. No reference in the above rule mentions PE stamp.
- **Appendix C:**
  - a. In-situ soil will be used at this location but is not considered moderate to rapid permeability due to the previous excavation done by XOM. Proposed solidification area is in bedrock.
- **Operating Plan:**
  - a. XTO letter will be submitted when available. Volume estimates are covered above in question 13. The plan states soils impacted with hydrocarbons may be mixed with clean on-site soil to reduce overall hydrocarbon levels to below Table 910-1 levels. This material will be part of the overburden found at

this location and estimated overburden from the construction. The “pond” referenced in the stormwater section is a stormwater sediment catch basin only and can be changed to that language to avoid confusion. No “pit or pond” will be constructed at this location.

If more information is needed please let me know and we will get working on it.

Thank you for the comments.

Regards,

Dwayne

**Dwayne Knudson**

**From:** Fischer - DNR, Alex <alex.fischer@state.co.us>

**Sent:** Wednesday, October 16, 2019 7:16 AM

**To:** Dwayne Knudson <dknudson@ursaresources.com>

**Cc:** Steven Arauza - DNR <steven.arauza@state.co.us>; Jim Hughes - DNR <jimo.hughes@state.co.us>; Craig Burger - DNR <craig.burger@state.co.us>

**Subject:** Re: Form 28 Review; Proposed Facility 466144; Boies Ranch Solidification Area.

Dwayne- You can go ahead and provide the additional information with a follow up on the XTO piece. Please let us know when provide that information.

Alex

On Tue, Oct 15, 2019 at 2:00 PM Dwayne Knudson <[dknudson@ursaresources.com](mailto:dknudson@ursaresources.com)> wrote:

Hello Alex,

Thank you for your comments. We have already made several of the changes you requested and are currently holding on the XTO letter piece before we were going to submit the updated information.

Our land team is working with theirs and we are hopeful we are close but don't dare to put a date on that. I can certainly comply with the rest of the comments and get those over independent of the XTO letter if that is helpful?

Regards,

Dwayne

**Dwayne Knudson**

**From:** Fischer - DNR, Alex <[alex.fischer@state.co.us](mailto:alex.fischer@state.co.us)>

**Sent:** Tuesday, October 8, 2019 10:51 AM

**To:** Dwayne Knudson <[dknudson@ursaresources.com](mailto:dknudson@ursaresources.com)>

**Cc:** Steven Arauza - DNR <[steven.arauza@state.co.us](mailto:steven.arauza@state.co.us)>; Jim Hughes - DNR <[jimo.hughes@state.co.us](mailto:jimo.hughes@state.co.us)>; Craig Burger - DNR <[craig.burger@state.co.us](mailto:craig.burger@state.co.us)>

**Subject:** Form 28 Review; Proposed Facility 466144; Boies Ranch Solidification Area.

Dwayne-

Please see review comments attached.

Alex

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**Alex Fischer, P.G.**

**Environmental Supervisor, Western Colorado**



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