

STATE OF  
COLORADO

Andrews - DNR, Doug &lt;doug.andrews@state.co.us&gt;

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**RE: [EXTERNAL] :Fern 5N65W11EJ Form 2A question - possible UMA**

6 messages

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**Venessa Chase** <Venessa.Chase@pdce.com>  
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Mon, Mar 6, 2017 at 2:12 PM

Does this include the MLVTs as well?

**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]  
**Sent:** Monday, March 6, 2017 1:57 PM  
**To:** Venessa Chase <[Venessa.Chase@pdce.com](mailto:Venessa.Chase@pdce.com)>; John Noto - DNR <[john.noto@state.co.us](mailto:john.noto@state.co.us)>  
**Subject:** [EXTERNAL] :Fern 5N65W11EJ Form 2A question - possible UMA

Venessa,

I've begun reviewing PDC Energy's Fern Form 2A but would like some additional information before continuing. This proposed Oil & Gas Location is in an industrial area immediately south of the Greeley-Weld County Airport. The Form 2A indicates it is a Buffer Zone location only. However, there are quite a few buildings that may be considered Building Units due to their being either commercial facility greater than 5,000 square feet or warehouse facility greater than 15,000 square feet. Additionally, there may be enough Building Units (residential, commercial and warehouse) to make this location fall within an Urban Mitigation Area (UMA). As you know, UMAs are based on the number of Building Units within 1,000 feet of the edge of the proposed disturbance area, not within 1,000 feet of a well or production facility. While you have included a Notification Zone drawing showing there are two residential Building Units within 1,000 feet of the nearest well or production facility, there may be commercial, warehouse, and/or additional residential Building Units within 1,000 feet of the disturbance area. Will PDC Energy provide a UMA Determination drawing to confirm whether this proposed location is or is not in a UMA?

Thank you.

*Doug Andrews*

Oil & Gas Location Assessment Specialist - Northeast Colorado



**COLORADO**  
Oil & Gas Conservation  
Commission  
Department of Natural Resources

1120 Lincoln St., Suite 801

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doug.andrews@state.co.us

303-894-2100 Ext. 5180

**Andrews - DNR, Doug** <doug.andrews@state.co.us>  
To: Venessa Chase <Venessa.Chase@pdce.com>

Mon, Mar 6, 2017 at 2:23 PM

Yes. A UMA is determined by the number of Building Units (residential, commercial, warehouse) within 1,000 feet of the location. The Oil & Gas Location is the area where an operator has or intends to disturb the land surface in order to locate an oil and gas facility. Per the COGCC Policy on the Use of MLVTs, MLVTs are considered to be an Oil & Gas Facility but not a production facility. Thus, even though they are there temporarily, MLVTs are considered part of the location.

*Doug Andrews*

## Oil & Gas Location Assessment Specialist - Northeast Colorado



1120 Lincoln St., Suite 801  
Denver, CO 80203  
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303-894-2100 Ext. 5180

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**Venessa Chase** <Venessa.Chase@pdce.com>  
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Mon, Mar 6, 2017 at 2:29 PM

Thanks! I will send you the map as soon as I get it back from the surveyors.

**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]  
**Sent:** Monday, March 6, 2017 2:24 PM  
**To:** Venessa Chase <[Venessa.Chase@pdce.com](mailto:Venessa.Chase@pdce.com)>  
**Subject:** Re: [EXTERNAL] :Fern 5N65W11EJ Form 2A question - possible UMA

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**Venessa Chase** <Venessa.Chase@pdce.com> Tue, Mar 10, 2020 at 10:01 AM  
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>, John Noto - DNR <john.noto@state.co.us>

Tue, Mar 14, 2017 at 3:32 PM

Good Afternoon,

Attached is the UMA Determination Map. There are 4 residential BU's and 1 commercial building unit. The rest of the buildings are private. Please let me know if you need any additional information.

Thank you!

**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]  
**Sent:** Monday, March 6, 2017 1:57 PM  
**To:** Venessa Chase <[Venessa.Chase@pdce.com](mailto:Venessa.Chase@pdce.com)>; John Noto - DNR <[john.noto@state.co.us](mailto:john.noto@state.co.us)>  
**Subject:** [EXTERNAL] :Fern 5N65W11EJ Form 2A question - possible UMA

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*Doug Andrews*



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<https://mail.google.com/mail/u/0/?ui=2&ik=6cde1142d7&view=pt&search=inbox&th=15aa577b02ad94bf&siml=15aa577b02ad94bf&siml=15aa5818184d6e9d&sim...> 3/5

**Andrews - DNR, Doug** <doug.andrews@state.co.us>  
To: Venessa Chase <Venessa.Chase@pdce.com>

Wed, Mar 15, 2017 at 11:04 AM

Venessa,

Thank you for the UMA Determination Map. It is very helpful and I have attached it to this Form 2A. I have completed the technical review of the Form 2A and have the following comments.

- 1) In the Drilling Waste Management Program section you have indicated the drilling fluids and cuttings will be disposed of Offsite, but forgot to indicate the method. Please let me know what it will be for both fluids and cuttings and I will update the Form 2A.
- 2) In the Land Use section you have indicated the Land Use is Other (Industrial). This agrees with what Weld County has zoned this parcel for. As the Form 2A already has an Industrial category in the Subdivided group, I have checked that box and cleared the Other (Industrial) box in the Non-Crop Land group. Because of this, the Reference Area Map & Reference Area Pictures attachments are not required. Therefore, I would like to remove them from the Form 2A.

Please respond to this correspondence by April 15, 2017. If you have any questions, please contact me. Thank you.

*Doug Andrews*

Oil & Gas Location Assessment Specialist - Northeast Colorado



1120 Lincoln St., Suite 801  
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**Venessa Chase** <Venessa.Chase@pdce.com>  
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Wed, Mar 15, 2017 at 11:11 AM

Hi Doug,

Please see my comments below. Also attached is the 306e cert.

**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]  
**Sent:** Wednesday, March 15, 2017 11:05 AM  
**To:** Venessa Chase <[Venessa.Chase@pdce.com](mailto:Venessa.Chase@pdce.com)>  
**Subject:** Re: [EXTERNAL] :Fern 5N65W11EJ Form 2A question - possible UMA

Venessa,

Thank you for the UMA Determination Map. It is very helpful and I have attached it to this Form 2A. I have completed the technical review of the Form 2A and have the following comments.

1) In the Drilling Waste Management Program section you have indicated the drilling fluids and cuttings will be disposed of Offsite, but forgot to indicate the method. Please let me know what it will be for both fluids and cuttings and I will update the Form 2A. [Drilling disposal method is Land Application and cuttings disposal method is Beneficial Reuse.](#)

2) In the Land Use section you have indicated the Land Use is Other (Industrial). This agrees with what Weld County has zoned this parcel for. As the Form 2A already has an Industrial category in the Subdivided group, I have checked that box and cleared the Other (Industrial) box in the Non-Crop Land group. Because of this, the Reference Area Map & Reference Area Pictures attachments are not required. Therefore, I would like to remove them from the Form 2A. [Agreed](#)

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**306e Meeting Requirements Certification Letter to Director\_Fern.pdf**

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