



STATE OF  
COLORADO

Andrews - DNR, Doug <doug.andrews@state.co.us>

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## FW: COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location - Doc #400658916 (clarification about water vaults/tanks)

2 messages

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**Nick Curran** <Nick.Curran@iptenergyservices.com>  
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>

Mon, Sep 22, 2014 at 3:31 PM

Hi Doug,

Just got off the phone with Extraction and I am hoping I can clarify the issues with the water tanks. I am also happy to follow up with the survey crew to get to you a revised facility layout. At any rate, here is what I am hoping to change...

- 1.) on both the North and South pads, pls change it from 36 oil tanks to 30 oil tanks and 6 water tanks
- 2.) they do not use any buried water vaults. so the two vaults indicated on both the North and South pads sitting to the left of the tanks should be changed from 'water vaults' to 'vapor recovery towers' (there will be two on the north pad and two on the south pad)

I hope that clears up any confusion. Thanks for speaking with me,

Nick

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**From:** Nick Curran  
**Sent:** Monday, September 22, 2014 3:17 PM  
**To:** 'Andrews - DNR, Doug'  
**Subject:** RE: COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location - Doc #400658916

Doug,

After speaking with Extraction, the indicated facilities are correct. The part that was incorrectly explained is that the Waag Middle Pad will not simply flow back to the Waag South Pad as I previously indicated. What happened is that half of the wells on Waag Middle Pad (Wells #6-12) will flow to the Waag North NENW Pad #1(Doc #400658916) and the other half of the wells (Wells #13-18) will flow back to the Waag South SESW Pad #1 (Doc #400658921)

I apologize for the confusion.

Thanks,

**Nick Curran**  
**Regulatory Tech**  
**Project Management/ Permitting**

P: 720.420.5745

C: 720.445.1793

F: 720.420.5800

[nick.curran@iptenergyservices.com](mailto:nick.curran@iptenergyservices.com) | [www.iptenergyservices.com](http://www.iptenergyservices.com)



Integrated Petroleum Technologies, Inc. | 1707 Cole Blvd, Suite 200 | Golden, CO 80401

**From:** Andrews - DNR, Doug [<mailto:doug.andrews@state.co.us>]

**Sent:** Monday, September 22, 2014 2:20 PM

**To:** Nick Curran

**Subject:** Re: COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location - Doc #400658916

Nick,

If you wouldn't mind following up with Extraction on the Facilities list for WAAG NORTH location, I would appreciate it. I will change the Electric/Energy Conversion Device to say Emission Control Device instead. Thanks.

On Mon, Sep 22, 2014 at 2:15 PM, Nick Curran <[Nick.Curran@iptenergyservices.com](mailto:Nick.Curran@iptenergyservices.com)> wrote:

Hi Doug,

All of the facility drawings I have been given jive with what I have permitted. I too agree that is a lot of facility equipment but that was indeed what was given to the survey crew prior to drawing up the sketches. If you wish I can follow up with Extraction that it is indeed correct, but that is what is illustrated on the attachments. Also, an ECD (i may have the acronym wrong) is the same as a VOC combustor I was just told. Sorry if I mislead you by calling it an energy conversion device.

Nick

**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]

**Sent:** Monday, September 22, 2014 1:58 PM

**To:** Nick Curran

**Subject:** Re: COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location - Doc #400658916

Nick,

Since neither the WAAG MIDDLE nor the WAAG SOUTH wells will produce to this location, is the Facilities list for this location correct? Seems odd that a location with only 5 wells will need 36 oil tanks, 13 separators, 2 buried produced water vaults, one gas compressor, and 4 energy conversion devices. Also, what exactly is an energy conversion device?

On Mon, Sep 22, 2014 at 11:08 AM, Andrews - DNR, Doug <[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)> wrote:

Nick,

"...would I also attach 'out of window waivers' or 'twinning' waivers to the 2A as well as the APDs?"

No, those waivers only need to go on the APDs.

On Mon, Sep 22, 2014 at 11:02 AM, Nick Curran <[Nick.Curran@iptenergyservices.com](mailto:Nick.Curran@iptenergyservices.com)> wrote:

Hi Doug,

Attached is the requested property line waiver. It was attached to the APD's but not the 2A, going forward I will be sure to include it on both. PS, would I also attach 'out of window waivers' or 'twinning' waivers to the 2A as well as the APDs?

I am ok with the changes and the language for the COA. No problemo.

Thanks for your time,

**Nick Curran**

**Regulatory Tech**

**Project Management/ Permitting**

P: 720.420.5745

C: 720.445.1793

F: 720.420.5800

[nick.curran@iptenergyservices.com](mailto:nick.curran@iptenergyservices.com) | [www.iptenergyservices.com](http://www.iptenergyservices.com)



Integrated Petroleum Technologies, Inc. | 1707 Cole Blvd, Suite 200 | Golden, CO 80401

**From:** Andrews - DNR, Doug [mailto:[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)]

**Sent:** Monday, September 22, 2014 10:30 AM

**To:** Nick Curran

**Subject:** COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location - Doc #400658916

Nick,

I have reviewed the referenced Form 2A Oil & Gas Location Assessment and have the following comments.

- 1) You have indicated the nearest property line is 14 feet away and have a comment indicating a signed property line waiver (603.a.2) has been secured. Please provide me with a copy of this signed waiver and I will add it to the Form 2A.
- 2) Due to the proximity of irrigation ditches and the Eaton Ditch to this proposed oil and gas location, I will change the Sensitive Area designation from NO to YES in the Water Resources section.
- 3) Due to the proximity of irrigation ditches and the Eaton Ditch to this location, I will place the following Condition of Approval on this Form 2A: "Operator must implement site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to protect the irrigation ditches and Eaton Ditch located 182 feet and 199 feet northeast and 199 feet and 256 feet northwest of the oil and gas location from a release of drilling, completion, produced fluids, and chemical products."

Please respond to this correspondence by October 22, 2014. If you have any questions, please contact me. Thank you.

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*Doug Andrews*

Oil & Gas Location Assessment Specialist - Northeast Area



1120 Lincoln St., Suite 801

Denver, CO 80203

[doug.andrews@state.co.us](mailto:doug.andrews@state.co.us)

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*Doug Andrews*

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*Doug Andrews*

Oil & Gas Location Assessment Specialist - Northeast Area



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**Nick Curran** <Nick.Curran@iptenergyservices.com>  
To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>  
Cc: Derek Petrie <derek.petrie@iptenergyservices.com>

Tue, Sep 23, 2014 at 9:35 AM

Hi Doug,

I received revised sketches for the facility equipment you and I discussed yesterday. Can you please insert these to minimize confusion on what will be out there in terms of equipment?

Thanks,

Nick

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**From:** Jason Allee [mailto:[jasona@lat40pls.com](mailto:jasona@lat40pls.com)]  
**Sent:** Tuesday, September 23, 2014 9:34 AM  
**To:** Nick Curran; Kyle Rutz  
**Cc:** Brian Brinkman; Adam Kelly  
**Subject:** Re: COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location - Doc #400658916 (clarification about water vaults/tanks)

Nick,

Here are the requested revisions to the Waag Pro Scaled Facility Drawings. Let us know if you need anything else.

Thanks,

Jason Allee  
Lat40°, Inc.  
Professional Land Surveyors  
6250 W. 10th St, Unit #2  
Greeley, CO 80634  
O:[970-515-5294](tel:970-515-5294)  
C:[970-443-2575](tel:970-443-2575)  
[www.lat40pls.com](http://www.lat40pls.com)

**From:** [Kyle Rutz](#)

**Sent:** Tuesday, September 23, 2014 6:57 AM

**To:** Jason Allee

**Subject:** Fw: COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location - Doc #400658916 (clarification about water vaults/tanks)

**From:** Nick Curran

**Sent:** Monday, September 22, 2014 3:57 PM

**To:** Kyle Rutz

**Subject:** FW: COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location - Doc #400658916 (clarification about water vaults/tanks)

FYI...

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**From:** Nick Curran

**Sent:** Monday, September 22, 2014 3:56 PM

**To:** 'Brian Brinkman'

**Subject:** FW: COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location - Doc #400658916 (clarification about water vaults/tanks)

Brian,

Can you please revise the Waag North and Waag South facility layout sketches to include...

- 1.) on both the North and South pads, pls change it from 36 oil tanks to 30 oil tanks and 6 water tanks
- 2.) they do not use any buried water vaults. so the two vaults indicated on both the North and South pads sitting to the left of the tanks should be changed from 'water vaults' to 'vapor recovery towers' (there will be two on the north pad and two on the south pad)

Email me with any questions. The state needs it revised to pass the permits.

Thanks,

Nick

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**From:** Nick Curran

**Sent:** Monday, September 22, 2014 3:31 PM

**To:** 'Andrews - DNR, Doug'

**Subject:** FW: COGCC Form 2A review of Extraction's WAAG NORTH NENW PAD #1 location - Doc #400658916 (clarification about water vaults/tanks)

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**2 attachments**



**PRO SCALED FACILITY\_WAAG SOUTH PAD (rev2014-09-23).pdf**

116K



**PRO SCALED FACILITY\_WAAG NORTH PAD (2014-09-23).pdf**

158K