

STATE OF
COLORADO

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

COGCC Form 2A review of Bison Oil & Gas' Big Mountain Viper 8-59 16 location - Doc #402026015

2 messages

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

Thu, Jan 30, 2020 at 12:03 PM

To: Abigail Wenk <awenk@bisonog.com>, Ariana Solis <asolis@bisonog.com>

Abigail & Ariana,

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

- 1) The Facilities section indicates this pad will have upto 22 oil tanks and 11 water tanks. Therefore, this location meets Objective Criteria #8 - Oil and Gas Locations with storage of hydrocarbons or produced liquid in more than 18 tanks or in excess of 5,200 barrels. To address potential impacts from such a large tank battery please provide me with a Berm CONstruction BMP.
- 2) Will you confirm the approved WOGLA includes an Emergency Action Plan and/or coordination with local emergency responders in case of a fire or explosion at the location.

Thank you.

Doug Andrews

Oil & Gas Location Assessment Specialist - Northeast Colorado

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

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doug.andrews@state.co.us | <http://cogcc.state.co.us/>**Ariana Solis** <asolis@bisonog.com>

Thu, Jan 30, 2020 at 1:11 PM

To: "Andrews - DNR, Doug" <doug.andrews@state.co.us>, Abigail Wenk <AWenk@bisonog.com>

Good afternoon Doug,

Regarding Objective Criteria #8, please add the following Berm Construction BMP to the Form 2A:

Material Handling and Spill Prevention:

Tank berms shall be constructed of steel walls with an engineered synthetic liner and designed to contain 100% of the capacity of the largest tank (or manifolded tanks) with the addition of rain water and additional freeboard to account for any small piping or equipment that may be in containment. Operator will place separators within secondary containment composed of steel berms with a minimum containment capacity of 100% of the single largest storage vessel inside the containment. The engineered secondary containment system will be constructed of a perimeter of walls around a flexible geotextile base. All components will then be sprayed with a polyurea liner technology or covered with an equivalent synthetic or engineered liner. This liner technology maintains impermeability and puncture resistance under exposure to UV rays, weather extremes, and chemicals commonly encountered in oil and natural gas production and provides protection of the liner seams. All berms will be visually checked weekly to ensure proper working condition.

I can confirm that an Emergency Response Plan was previously submitted and approved by both the local emergency responders and Weld County's Director of Emergency Management prior to receiving the approved WOGLA. The Emergency Response Plan includes general field wide, site specific safety protocol, and a tactical response plan.

Thank you,



Ariana Solis

Regulatory Analyst

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