

## Schwartz, Colin

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**From:** Charlie Barker <cbarker@ltenv.com>  
**Sent:** Friday, April 17, 2020 12:44 PM  
**To:** Schwartz, Colin  
**Cc:** Josh Logan  
**Subject:** RE: KGH Bonanza Creek 20-15H SMNSR

Colin,

The emergency flare will continue to handle high pressure vapors in the event of an emergency.

The low pressure tank vapor flare should be renamed to the "low pressure flare" as it will control:

- Low pressure vapors from the crude oil tanks
- Low pressure vapors from the produced water tanks
- Low pressure still vent vapors from the glycol dehydrator



Charles Barker  
Air Quality Manager/Project Air Quality Scientist  
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During these unprecedented COVID-19 restrictions which are in place I will be most responsive from 6:30 AM to 2:30 PM (MST). If you have an urgent need to communicate please text to my cell so that I may be able to respond to your concern in an appropriate manner.

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**From:** Schwartz, Colin <Schwartz.Colin@epa.gov>  
**Sent:** Monday, April 13, 2020 3:26 PM  
**To:** Charlie Barker <cbarker@ltenv.com>  
**Cc:** Josh Logan <JLogan@ltenv.com>  
**Subject:** RE: KGH Bonanza Creek 20-15H SMNSR

Charlie,

Will the emergency flare (FLR-01-L) be the primary control device for the Dehy? Or will the tank vapor flare (FL-01-H) be the control device? Will the flares be renamed?

Colin C. Schwartz  
Air and Radiation Division  
U.S. Environmental Protection Agency, Region 8  
303-312-6043

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**From:** Charlie Barker <[cbarker@ltenv.com](mailto:cbarker@ltenv.com)>  
**Sent:** Thursday, April 9, 2020 11:59 AM  
**To:** Schwartz, Colin <[Schwartz.Colin@epa.gov](mailto:Schwartz.Colin@epa.gov)>  
**Cc:** Josh Logan <[JLogan@ltenv.com](mailto:JLogan@ltenv.com)>  
**Subject:** RE: KGH Bonanza Creek 20-15H SMNSR

Hi Colin,  
I wanted to give you the updated process flow diagram.

You will notice that the erroneous reference to ENG-2 has been removed. In addition, the still vent vapors from the dehy are represented in a separate color than other vapor flows. The still vent vapors are to be routed to the existing dual pressure flare.

Please see additional responses in red below.



Charles Barker  
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**From:** Schwartz, Colin <[Schwartz.Colin@epa.gov](mailto:Schwartz.Colin@epa.gov)>  
**Sent:** Wednesday, April 8, 2020 2:42 PM  
**To:** Charlie Barker <[cbarker@ltenv.com](mailto:cbarker@ltenv.com)>  
**Cc:** Josh Logan <[JLogan@ltenv.com](mailto:JLogan@ltenv.com)>  
**Subject:** RE: KGH Bonanza Creek 20-15H SMNSR

Charlie,

I've been reviewing your request for a synthetic Minor NSR permit and had a few questions.

You selected "Other – Modification of Application on File for an Un-issued Permit" – However we issued a permit for this facility on September 27, 2019 (Docket #[EPA-R08-OAR-2018-0342](#)). In Section B. PREVIOUS PERMIT ACTIONS, you only reference a Part 2 registration for Permit Number. We are seeing if you might be unaware that the facility is subject to and should be operating under an active SMNSR permit? **We will be sending an updated form NEW that references permit SMNSR-UO-007088-2018.002**

You filled out both tables for Proposed New Source (E(i)) and Proposed New Construction at an Existing Source or Modification of an Existing Source (E(ii)), so that's confusing as well. **We will be sending an updated form NEW that removes values in this table.** Assuming this is the same source we have permitted (it's the same lat/long), we can ignore the information in Table E(i) and focus on Table E(ii), which indicates there would be a decrease from Current Allowable Emissions to Post-Change Allowable Emissions (approximately 0.06 tpy); however, Post-Change Potential Emissions are listed as, for instance 236.37 tpy VOC, so I think that is confusing, too, as you are subject to an active SMNSR (docket listed above) that appears to be accounted for in the Current Allowable Emissions. **I am looking into this further and may reach out for clarification.**

Based on what we might be able to assume from the application, it appears that the net emissions increase from the Current Allowable Emissions (tpy) to the Post-Change Allowable Emissions (tpy) may result in a decrease of 0.06 tpy VOC; however, what is listed in table E(ii) as the Current Actual Emissions is greater than what is listed as the Current Allowable Emissions, which doesn't make sense, so we are unable to verify the net emissions increase using the actual-to-projected actual test using this application (to determine a modification according to 49.153(a)(1)(ii)). **I am looking into this further in conjunction with above and may reach out for clarification.**

The active SMNSR permit covers two 195 hp engines. Their size would indicate they are pump jack engines, but the permit lists them as compressor engines. **The client indicated that the 195 hp engines are for compression into either the well for gas lift or into a sales line. After construction they were able to determine that the additional horsepower from the second compressor was not needed so construction did not commence. The application to add the dehy is also to remove engines that are not required.** The Legend of the PFD in the application shows 2 engines (ENG-1 and ENG-2), but the diagram itself only shows ENG-1. **The attached flow diagram makes this correction be eliminating the erroneous engine** Just to clarify: is KGH removing the Waukesha engine (ENG-2)? **Yes, the engine is not needed and is being removed from site-wide emissions.** The diagram also does not show any control device connected to the dehy, but the applications lists a lower VOC number for Post-Change Allowable Emissions for the dehy than Post-Change Potential Emissions. Is KGH proposing to control the dehy using one of the existing flares (tank vapor flare or "emergency" flare) or a new flare dedicated to the dehy? **The attached flow diagram makes this correction be connecting the still vent vapors of the dehy to the existing dual pressure flare**

Thanks for your help on this, if you have further questions please feel free to reach out.

Regards,

Colin C. Schwartz  
Air and Radiation Division  
U.S. Environmental Protection Agency, Region 8  
303-312-6043

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**From:** Charlie Barker <[cbarker@ltenv.com](mailto:cbarker@ltenv.com)>  
**Sent:** Tuesday, March 24, 2020 1:26 PM  
**To:** Schwartz, Colin <[Schwartz.Colin@epa.gov](mailto:Schwartz.Colin@epa.gov)>  
**Cc:** Josh Logan <[JLogan@ltenv.com](mailto:JLogan@ltenv.com)>  
**Subject:** RE: KGH Bonanza Creek 20-15H SMNSR

Colin,  
Find the attached packet as requested.



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**From:** Schwartz, Colin <[Schwartz.Colin@epa.gov](mailto:Schwartz.Colin@epa.gov)>  
**Sent:** Tuesday, March 24, 2020 10:40 AM  
**To:** Charlie Barker <[cbarker@ltenv.com](mailto:cbarker@ltenv.com)>  
**Subject:** KGH Bonanza Creek 20-15H SMNSR

Charlie,

I received a cover letter for the KGH Bonanza Creek 20-15H SMNSR request however we are not capable of accessing hard copies in the office due to COVID-19. We are all teleworking right now and trying to get a handle on the incoming requests.

Could you please send a pdf if available for this request to me at this email address to begin processing? If you have any questions please call or email me.

Thank you,

Colin C. Schwartz  
Air and Radiation Division  
U.S. Environmental Protection Agency, Region 8  
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