

State of Wyoming Mail - Linc Energy Aquifer Exemption request

Page 1 of 2



Muthu Kuchanur &lt; muthu.kuchanur@wyo.gov &gt;

### Linc Energy Aquifer Exemption request

Muthu Kuchanur &lt; muthu.kuchanur@wyo.gov &gt;

Thu, Aug 1, 2013 at 2:41 PM

To: Don Fischer &lt; don.fischer@wyo.gov &gt;

Cc: Mark Rogaczewski &lt; mark.rogaczewski@wyo.gov &gt;, Kevin Frederick &lt; kevin.frederick@wyo.gov &gt;, Mark Taylor &lt; mark.taylor@wyo.gov &gt;, Nancy Nuttbrock &lt; nancy.nuttbrock@wyo.gov &gt;, Carol Bilbrough &lt; carol.bilbrough@wyo.gov &gt;

Thanks Don for the review. I discussed your comments with Mark Rogaczewski and Lidstone. Please find below our thoughts/responses:

1. It is a good idea to forward your comments 1, 2, 4, 5 and 6 to Linc and ask Linc to respond to the comments. Addressing these comments in the aquifer exemption SOB will help set a template for the future.
2. For the submittal to EPA, Linc needs to provide DVD copies of the entire permit application along with hard copies of Section 13.14 (Aquifer Exemption SOB). Once all your comments are addressed, Linc will be providing these copies. The LQD has previously informed Linc that they need to submit five copies ( two each for LQD and WQD and one for EPA) after all the comments are addressed.
3. The LQD agrees with your recommendation on the involvement of WQD earlier in the process of aquifer exemption and we will work with you to keep the WQD involved earlier.

On your comment # 3 and question # 2 about the applicability of Chapter 11, LQD non-coal in situ mining regulations to Underground Coal Gasification:

4. Comment 3 Response:

Chapter 11, LQD non-coal regulations are not applicable to Linc Energy UCG R&D project. The applicable LQD regulation is Chapter 18, In situ mining - Coal. Chapter 18 does not include regulations that directly addresses aquifer reclassification/exemption. However, Section 2a states "Applicable Sections of Chapter VIII and IX, Water Quality Division Rules and Regulations shall also apply to in situ mining operations." We wanted to get your thoughts on the applicable WQD rules and regulations and we concur with you that this might be a discussion that will involve the LQD/WQD Administrators.

5. Question 2 Response:

You are correct that Linc will be providing additional baseline data to the LQD as they collect data from new wells. The LQD will provide this data to WQD Groundwater Section to establish class of use standards for groundwater restoration. The applicable regulation will be Chapter 18, In situ mining coal, Section 2 (d) (i) B.

After resolving Comment # 3, we can forward the other comments to Linc. Please let me know if you have questions or need additional information.

Thanks,  
Muthu

-----  
Muthu Kuchanur, Ph.D., P.E.

Geology Supervisor,  
Division Services - Land Quality Division,  
Wyoming Department of Environmental Quality,  
Cheyenne - 82002

Phone: 307-777-7132  
Email: muthu.kuchanur@wyo.gov

On Mon, Jul 29, 2013 at 4:23 PM, Don Fischer < don.fischer@wyo.gov > wrote:  
Muthu, Mark R.,

I have some concerns with the Linc aquifer exemption (groundwater reclassification) request that I'd like to discuss. Some are not significant, but one (see Comment 3) is more significant and could hold up the aquifer exemption process. My comments are attached.

Thanks.  
Don