



Department of Environmental Quality



To protect, conserve and enhance the quality of Wyoming's environment for the benefit of current and future generations.

Matthew H. Mead, Governor

Todd Parfitt, Director

August 29, 2013

Mr. Douglas Minter
Unit Chief
Underground Injection Control Program
US EPA Region 8
1595 Wynkoop Street
Denver, CO 80202

Re: Linc Energy. Underground Coal Gasification Demonstration Gasifier #6 Project;
Groundwater Reclassification to Class 5 (Mineral Commercial)

Dear Mr. Minter:

In accordance with the 1983 Underground Injection Control (UIC) program Memorandum of Agreement (MOA) between the State of Wyoming and the United States Environmental Protection Agency (US EPA), the Wyoming Department of Environmental Quality (WDEQ) is providing the following materials related to the above-referenced in-situ mining project for your review:

- definition of the permit area and map (hard copy and electronic shape file);
- description of regional and site specific geology, including the mineralized zone;
- description of the groundwater within the permitted area, including map and description of groundwater use;
- sections of the mine plan, including extraction techniques and process detail; and
- aquifer exemption summary sheet (attached).

With the exception of the hard copy map, these data and materials are being submitted electronically in the attached DVD as a stand-alone "Aquifer Reclassification Justification Statement of Basis" (SOB), also known as Appendix D-12. Appendix D-12 contains the relevant sections of the mine permit application geology section (Appendix D-5) and hydrology section (Appendix D-6) that were previously submitted independently of this document.

The SOB is for the Water Quality Division's (WQD) reclassification of groundwater within the mining unit to Class V (Mineral Commercial) and reflects WDEQ's findings regarding the current use of the affected aquifer as a water source and the presence of commercially producible minerals within that aquifer.

In accordance with the MOA, please review these materials for conformance with Wyoming's groundwater classification criteria and US EPA's regulations at 40 CFR 146.4.



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Statement of Basis
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Please contact Don Fischer, North District Groundwater Section Supervisor, at (307)675-5640 if you have any questions. We look forward to your review and response.

Sincerely,

A handwritten signature in cursive script that reads "Don Fischer".

Kevin Frederick
Wyoming Department of Environmental Quality
Administrator
Water Quality Division

Attachments: *Statement of Basis, (a.k.a., Appendix D-12); Aquifer Exemption Summary Sheet*

cc: Todd Parfitt, WDEQ Director (w/o enclosures)
Nancy Nuttbrock, LQD Administrator (w/o enclosures)
Don Fischer, WQD/GPC District Supervisor, Sheridan (w/o enclosures)