



# 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

June 7, 2016

Ms. Lydia W. Chang  
U.S. Nuclear Regulatory Commission  
11545 Rockville Pike  
Mail Stop: T-4B16  
Rockville, Maryland 20852

RE: Review of Draft Environmental Assessment for Lost Creek ISR Class V Injection  
Permit 15-081, Docket No.: 40-9068

Dear Ms. Chang:

Attached, please find comments developed by the Wyoming Department of Environmental Quality (WDEQ) with respect to your request for comments regarding the above referenced document received on May 9, 2016.

Please feel free to contact me with any questions related to these comments.

Sincerely,

John Passehl, P.G.  
Geology Supervisor  
Underground Injection Control Program  
john.passehl@wyo.gov  
(307) 777-5623

JP/LL/rm/16-0570

Attachments: WDEQ Comments  
Enclosure: Permit 15-081

c: WDEQ UIC Permit 15-081 file  
Lily Lee, WDEQ Cheyenne

## UIC PROGRAM REVIEW COMMENTS

Specific Comments - Additional Information Required (John Passehl: 307-777-5623)

1. On February 8, 2016 the Department issued permit 15-081, a Class V injection well permit that authorized construction and operation of injection wells M-FG6 and M-FG7. The purpose of the injection wells are for disposing of non-source and non-byproduct fluids into the shallow Battle Spring Formation.
2. The permit classified the groundwater as Class IVA (industrial) because of naturally occurring concentrations of total iron at 1.03 mg/L (> 0.3 mg/L – Class I drinking water standard), gross alpha (minus radon and uranium contribution) at 57 pCi/L (> 15 pCi/L - Class I drinking water standard), and radium 226+228 at 5.4 pCi/L (> 5 pCi/L - Class I drinking water standard). See Permit 15-081, Section 3, GROUNDWATER CLASSIFICATION.
3. The Department concurs with the findings outlined in **Section 4** (ENVIRONMENTAL IMPACTS OF THE PROPOSED ACTION), **Section 4.1** (Resource Areas Not Affected by the Proposed Action), **Section 4.2** (Resource Areas Potentially Affected by the Proposed Action), and **Section 7** (Conclusion) “...the NRC staff has determined that a Finding of No Significant Impact is appropriate.”

STATE OF WYOMING  
DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION  
200 WEST 17TH STREET  
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