

**CAMECO RESOURCES
CROW BUTTE OPERATION**



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March 16, 2017

USPS PRIORITY MAIL
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40-8943

Attn: Document Control Desk, Director
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

MIT Failure at I-5572, Wellhouse 63, Mine Unit 11

Dear Director:

On March 14, 2017, during routine 5-year Mechanical Integrity Testing (MIT), well number I-5572 in Mine Unit 11, Wellhouse 63 failed the MIT criteria at the Crow Butte Resources (CBR) mine site. Isolation procedures indicated that the failure was the casing joint at the 80-foot level. Kory Winters, of the NDEQ Chadron field office, and Ron Burrows, NRC Project Manager, were notified concerning this well on March 14, 2017.

This well was last successfully mechanically integrity tested in April 25, 2012. This well was put into operation on January 28, 2013. The well casing depth is 769 feet with a K-packer set at 717 feet. The static water level in the adjacent shallow monitor wells 86 to 88 feet deep. Based upon field observation of the stinger pipe when it was removed from the well the operating water level was at approximately 260 feet.

Upon review of this data with the NDEQ staff, it was determined that the well will be repaired by installing a sleeve to cover the failed joint. The well will then be re-MIT'd to ensure that the repair is sufficient. If CBR is unable to repair the well, then it will be abandoned according to approved procedure. Due to the water level during operation it was determined that no other testing will be conducted.

A graph of the sampling results for the nearest Shallow Monitor Well, SM 11-6, is included for your review. This well is located 25 feet west of I-5572.

NM5520

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If there are any further questions or concerns feel free to contact me at (308) 665-2215 ext. 114.

Sincerely,



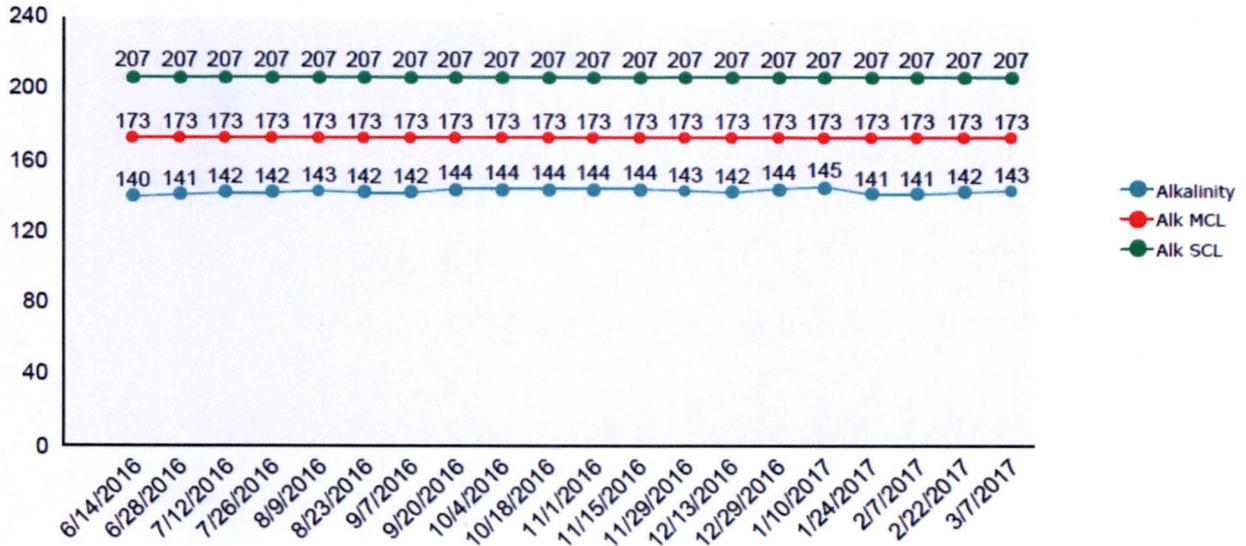
Larry Teahon
SHEQ Manager

cc: Deputy Director
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CBO- File

ec: CR – Electronic File

Alkalinity



Chloride

