



**CAMECO RESOURCES
CROW BUTTE OPERATION**

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July 25, 2022

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

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

Subject: Mechanical Integrity Test failure at I342-7

Dear Document Control:

On July 21, 2022 during routine 5-year Mechanical Integrity Testing (MIT), well number I342-7 in Mine Unit 3, Wellhouse 7 failed the MIT criteria at the Crow Butte Resources (CBR) mine site. Kory Winters, of the NDEE Chadron field office, and Ron Burrows, NRC Project Manager, were notified concerning this well on July 21, 2022.

This well is an injector and was last used in December of 1997. This well was last successfully mechanically integrity tested June 14, 2017. The well casing depth is 824 feet with a K-packer set at 765 feet. Using isolation techniques, CBO was able to isolate the failure to the 20' joint. The nearest shallow monitor well is SM3-2. The static water level of the shallow monitor well is 79 to 77 feet deep.

Upon review of this data with NDEE staff, it was determined that CBR will attempt to repair the well by placing a sleeve at the impacted area. It is CBR's intention to repair the well and perform a successful MIT. There is no indication of or reason to believe that there has been any release of contaminants from the well.

Graphs of the sampling results from the nearest shallow monitor well SM3-2 are included for your review.



CROW BUTTE RESOURCES, INC.

If you have any questions or concerns on this matter, please do not hesitate to call me at 308-665-2215 ext. 117.

Sincerely,

Casey Yada
SHEQ Coordinator

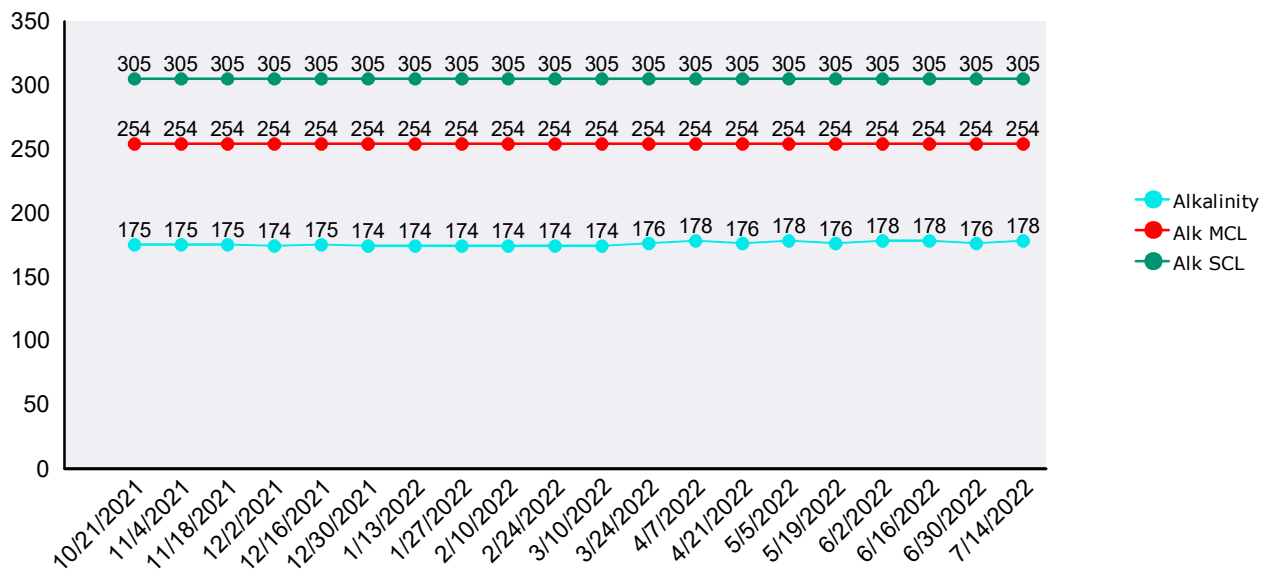
Enclosure

cc: NRC – Deputy Director, Division of Decommissioning
CBO – File

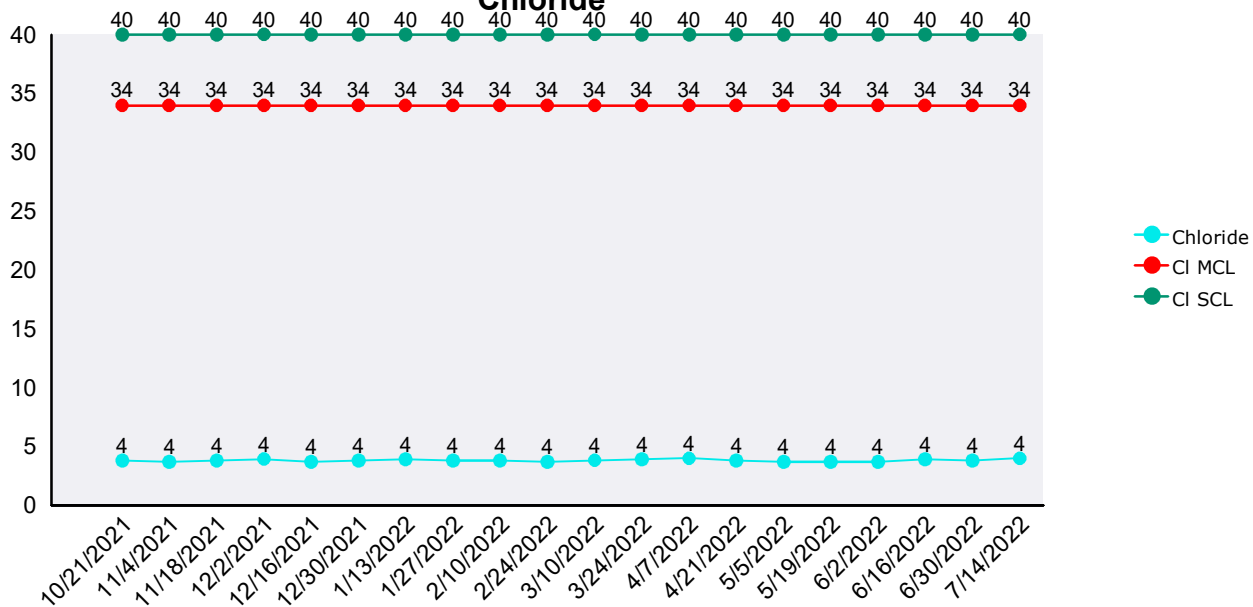
cc: CBO - File

SM03-002

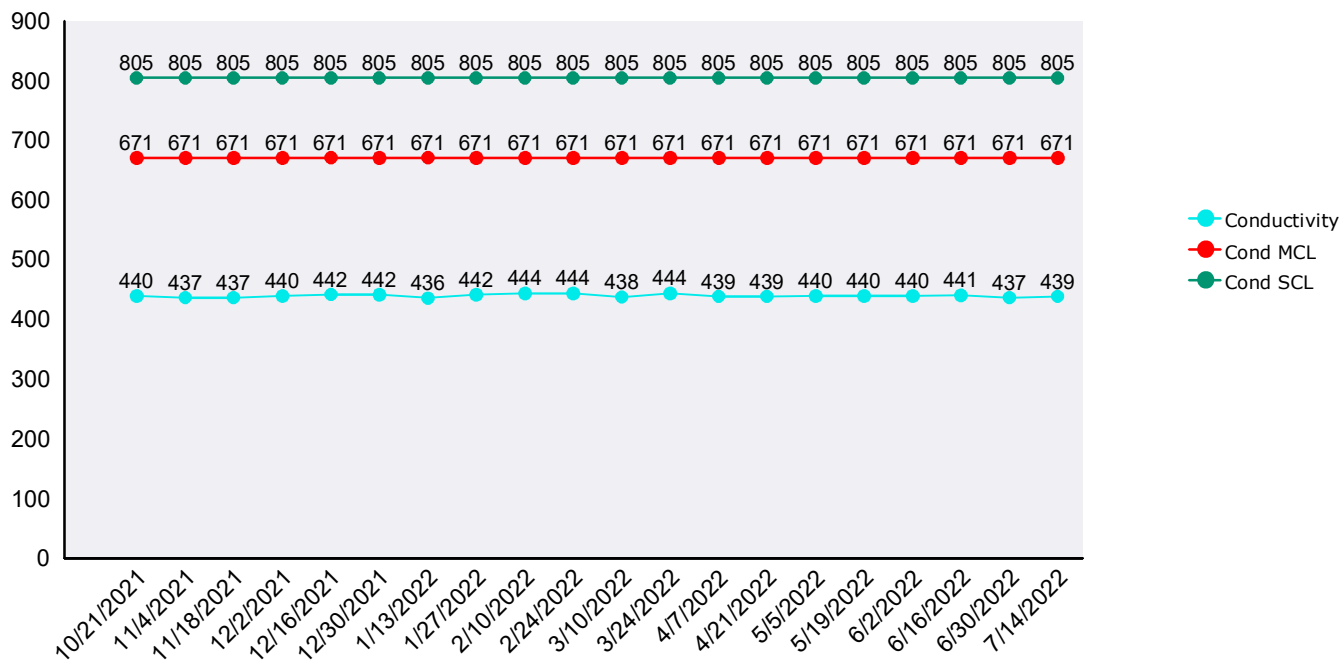
Alkalinity



Chloride



Conductivity



Water Level

