

CAMECO RESOURCES
CROW BUTTE OPERATION
86 Crow Butte Road
P.O. Box 169
Crawford, Nebraska 69339-0169



(308) 665-2215
(308) 665-2341 – FAX

September 6, 2018

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

40-8943

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

Subject: Semiannual Radiological Effluent and Environmental Monitoring Report

Dear Document Control:

In the Semiannual Radiological Effluent and Environmental Monitoring Report for Crow Butte Resources (CBO), submitted August 29, 2018, CBO noted that the Ra226 result for private well #435 was above the historical range for that well, and a recheck had been requested. The results of the recheck were not available in time to include in the report. CBO has now received the result for the recheck, and that result (.4 pCi/l compared to 1.2 pCi/l) is much more in line with historical data. A copy of the laboratory result for the recheck is attached

If you have any questions or require any further information, please do not hesitate to call me at 1(308)665-2215 ext. 117.

Sincerely,
CAMECO RESOURCES
CROW BUTTE OPERATION

Walter Nelson
SHEQ Coordinator

cc: Ron Burrows-NRC
CBO - File
ec: Amanda Jones- NDEQ Program Coordinator
CR-Electronic File

Attachments: As stated

IE48
IE25
NMSSD1
NMSS



Sample Analysis Report

Company: Cameco Resources, Crow Butte Operation
PO Box 169
Crawford, NE 69339

Date Reported 8/30/2018
Report ID S1806447001

ProjectName: Crow Butte Quarterly Enviromentals Q2 2018
Lab ID: S1806447-009
ClientSample ID: Well 435
COC: WEB
PWS ID:

WorkOrder: S1806447
CollectionDate: 6/7/2018
DateReceived: 6/26/2018 3:00:00 PM
FieldSampler:
Matrix: Water

Comments

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init

Metals - Dissolved

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows for Uranium and Uranium Activity.

Radionuclides - Dissolved

Table with 7 columns: Analyses, Result, Units, Qual, RL, Method, Date Analyzed/Init. Rows for Radium 226 and Radium 226 Precision (±).

These results apply only to the samples tested.

RL - Reporting Limit

- Qualifiers: B Analyte detected in the associated Method Blank
E Value above quantitation range
H Holding times for preparation or analysis exceeded
L Analyzed by another laboratory
ND Not Detected at the Reporting Limit
S Spike Recovery outside accepted recovery limits
X Matrix Effect

- C Calculated Value
G Analyzed at IML Gillette laboratory
J Analyte detected below quantitation limits
M Value exceeds Monthly Ave or MCL or is less than LCL
O Outside the Range of Dilutions
U Analysis reported under the reporting limit

Reviewed by: [Signature]
Wade Nieuwsma, Assistant Laboratory Manager