

**CAMECO RESOURCES  
CROW BUTTE OPERATION**



**86 Crow Butte Road  
P.O. Box 169  
Crawford, Nebraska 69339-0169**

**(308) 665-2215  
(308) 665-2341 – FAX**

May 29, 2012

**CERTIFIED MAIL  
RETURN RECEIPT REQUESTED**

Michael Linder, Director  
Nebraska Department of Environmental Quality  
P. O. Box 98922  
Lincoln, Nebraska 68509-8922

Dear Mr. Linder:

On May 25, 2012, during routine 15-year Mechanical Integrity Testing (MIT), well number SM6-5 in Mine Unit 6, Wellhouse 21 failed the MIT criteria. Using isolation techniques, it has been determined that the failure is at the 35 foot level which is at the top of a 70 foot sleeve. Jenny Coughlin, Groundwater Geologist UIC/ME, at Nebraska Department of Environmental Quality (NDEQ), Lindsey Phillips, of the NDEQ field office in Chadron, and Ron Burrows, NRC Project Manager were notified concerning this well on May 25, 2012 at 11:55 a.m. MDT.

This well is a shallow monitor well which is sampled bi-weekly. The failed joint is approximately 5 feet above the static water level for the Brule Formation. Based on the location of the failure the likelihood for contamination is minimal. The most recent sampling results for SM6-5 are enclosed for your review.

At this time, Crow Butte intends to repair SM6-5 by replacing the sleeve so that it covers 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.

If you have any questions or concerns on this matter, please do not hesitate to call me.

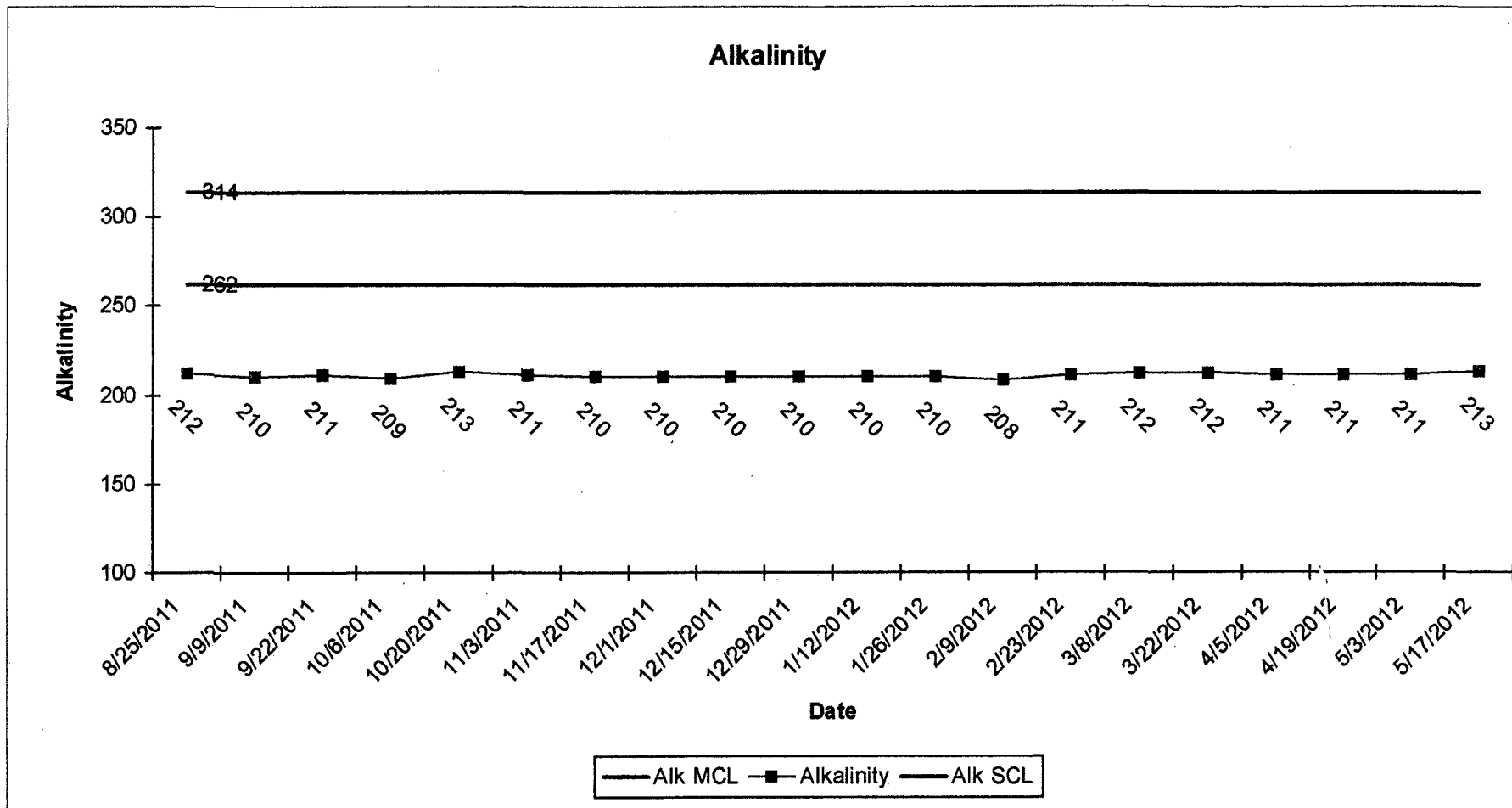
Sincerely,

Jim Stokey  
General Manager

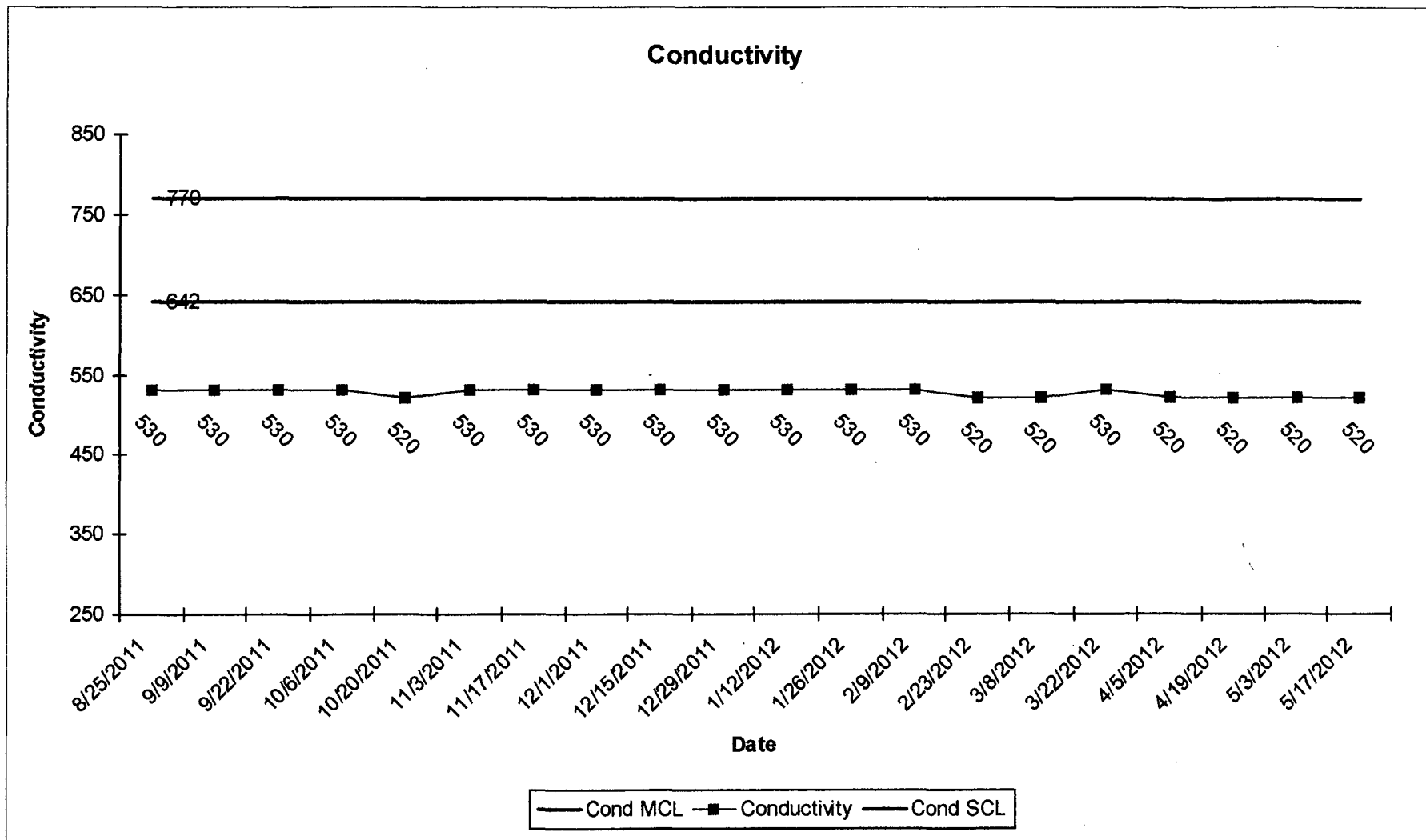
Enclosures

cc: Lindsey Phillips - NDEQ  
Ron Burrows - NRC  
CBO – File  
ec: CR - Cheyenne

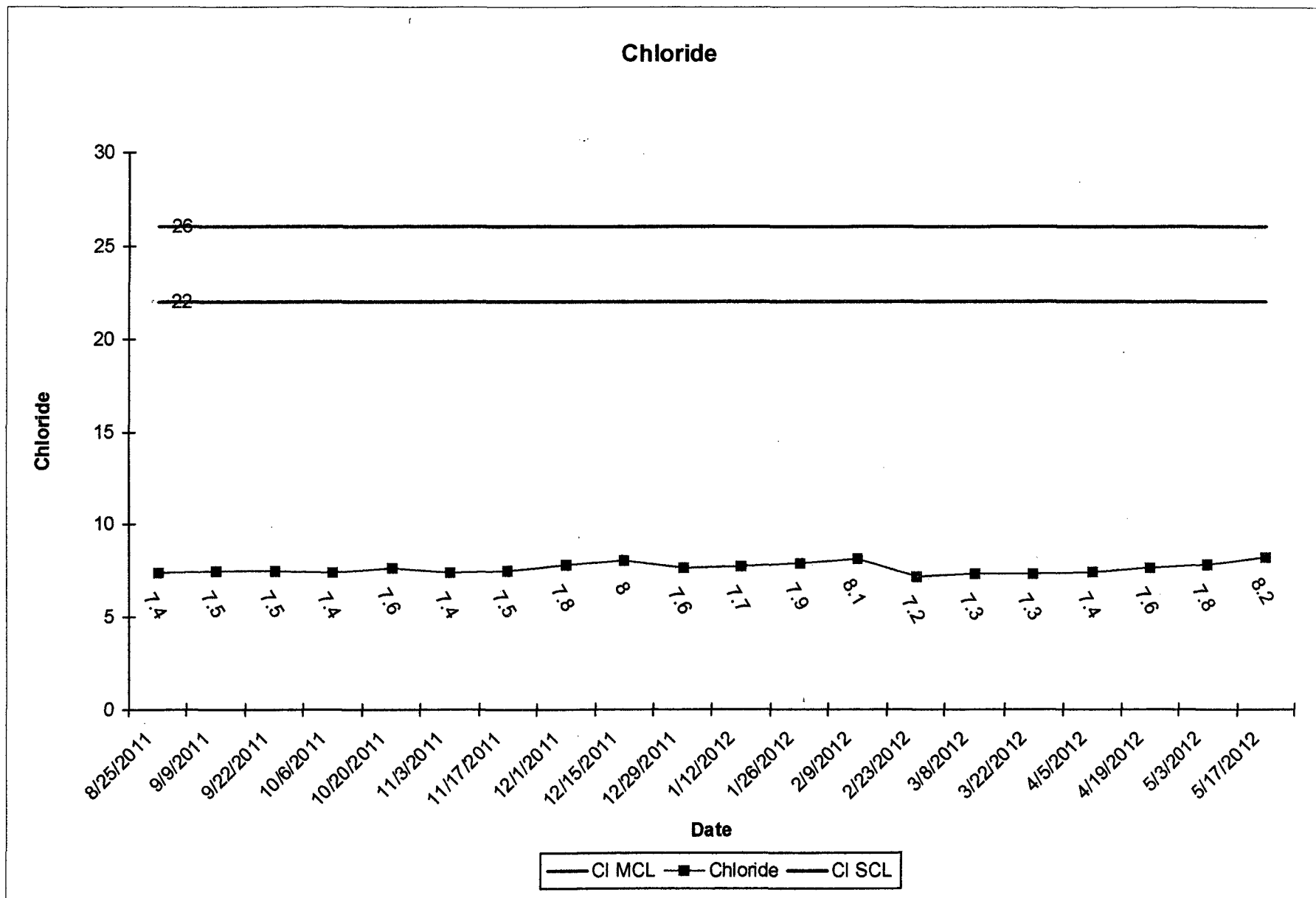
# SM6-5



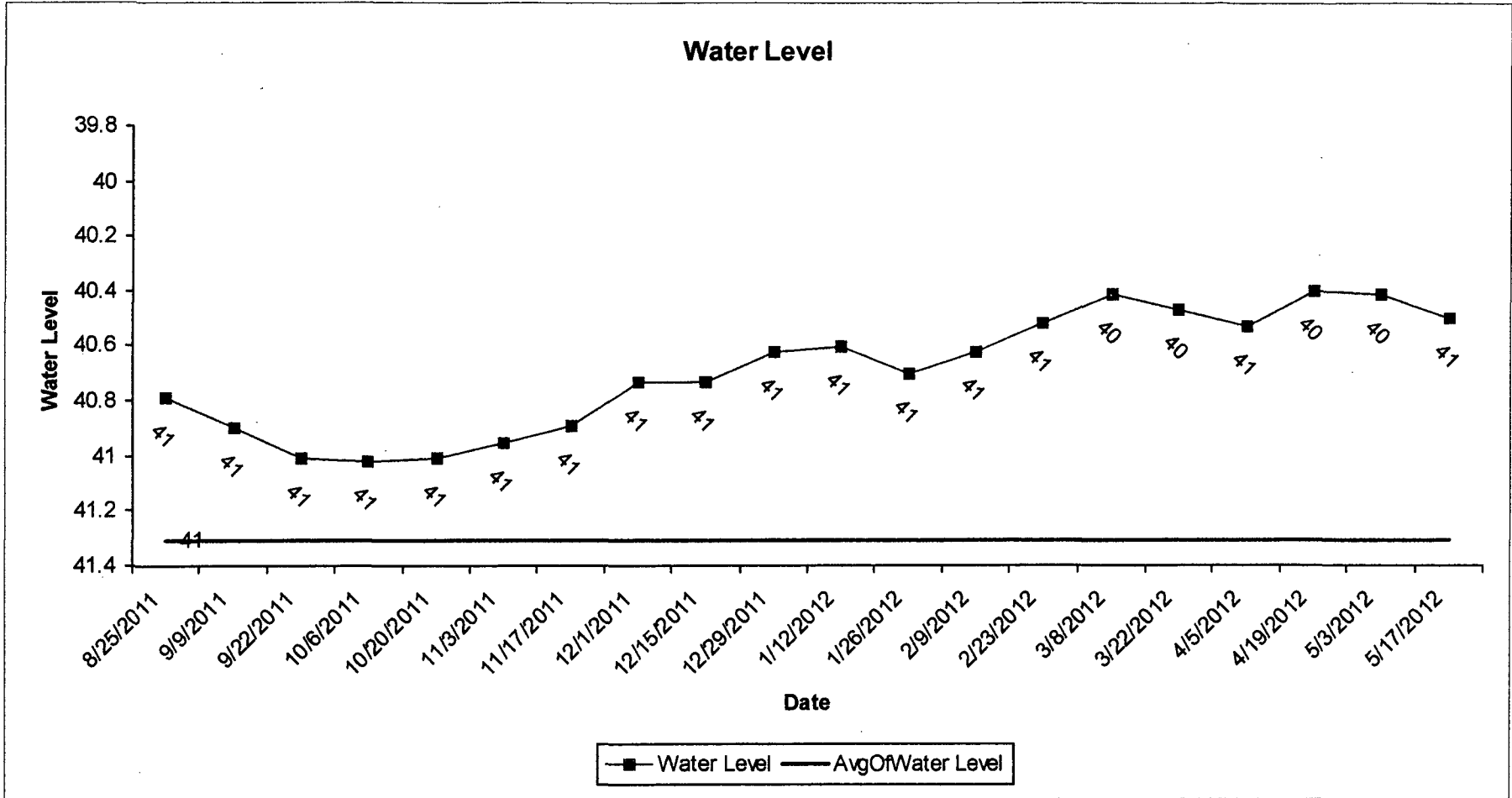
# SM6-5



# SM6-5



# SM6-5





UNITED STATES POSTAGE  
PITNEY BOWES  
02 1P \$ 001.10<sup>0</sup>  
0003818154 MAY 30 2012  
MAILED FROM ZIP CODE 69339



**Cameco**

**CAMECO RESOURCES**  
Crow Butte Operation  
86 Crow Butte Road  
P.O. Box 169  
Crawford, NE  
69339 USA

Mr. Ron Burrows, Project Manager  
Decommissioning and Uranium Recovery Licensing  
Directorate  
Division of Waste Management and Environmental  
Protection  
Office of Federal and State Materials and  
Environmental Management Programs  
Mailstop T8-F5  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001