

May 1, 2015

G. Paul Bollwerk, III, Chair
Administrative Judge
Atomic Safety and Licensing Board Panel
Mail Stop T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Dr. Richard E. Wardwell
Administrative Judge
Atomic Safety and Licensing Board Panel
Mail Stop T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Dr. Thomas J. Hirons
Administrative Judge
Atomic Safety and Licensing Board Panel
Mail Stop T-3 F23
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

In the Matter of
CROW BUTTE RESOURCES, INC.
(Marsland Expansion Area)
Docket No. 40-8943-MLA-2; ASLBP No. 13-926-01-MLA-BD01

Dear Administrative Judges:

Pursuant to 10 C.F.R. §§ 2.336(d) and 2.1203(c), and the Memorandum and Order (Establishing Schedule for Discovery) issued by the Atomic Safety and Licensing Board (Board) on June 14, 2013, the Nuclear Regulatory Commission (NRC) Staff provides the Board and the parties with a supplement to the Staff's hearing file and mandatory disclosures. Attachment 1 to this letter provides an index listing publicly available documents required to be disclosed by the Staff. These documents may be viewed by accessing the hearing file for this proceeding that is maintained by the NRC's Office of the Secretary, or by accessing the documents in the NRC's Agencywide Documents Access and Management System (ADAMS) using the accession numbers provided. Because there are no documents containing sensitive or proprietary information in this month's supplement, the Staff is not providing an attachment listing documents exempt from disclosure under 10 C.F.R. § 2.390. Finally, as required by 10 C.F.R. § 2.336(c), the Staff is providing an affidavit certifying that all relevant materials have been disclosed.

Respectfully submitted,

/Signed (electronically) by/
Emily Monteith
Counsel for the NRC Staff
U.S. Nuclear Regulatory Commission
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Emily.Monteith@nrc.gov

Dated at Rockville, Maryland
this 1st day of May, 2015.

Bollwerk
Wardwell
Hirons

-2-

Enclosures: Attachment 1 – Hearing File Index
Affidavit of Thomas Lancaster

cc: EIE Service List

**ATTACHMENT 1
CROW BUTTE MARSLAND HEARING FILE AND MANDATORY DISCLOSURES
HEARING FILE INDEX
Update 20 – May 1, 2015**

ID No.	Accession Number	Document Date	Title/Description
518	ML15105A060	06/24/1941	Hydraulic Studies of Spillway for Box Butte Dam - Mirage Flats Project.
519	ML15104A722	01/15/1988	Relationship Between Groundwater Flow and Uranium Mineralization in the Chadron Formation, Northwest Nebraska.
520	ML15104A736	05/01/1994	Geologic Framework of the Niobrara River Drainage Basin and Adjacent Areas in South Dakota Generally East of the 100th Meridian West Longitude and West of the Missouri River.
521	ML15105A054	01/15/1996	Hat Creek - White River Drainage Basin Hydrogeologic Summary from Domestic Well-water Quality in Rural Nebraska.
522	ML15104A424	12/01/2011	2011 Nebraska Groundwater Quality Monitoring Report.
523	ML15105A048	01/10/2012	Drawing 2.3-3 - Structure Contour Map, Top of Injection Zone.
524	ML15105A051	01/10/2012	Drawing 2.3-4 - Structure Contour Map, Top of Confining Zone (Top of Pierre Shale).
525	ML15104A615	01/15/2012	2011 Nebraska Water Monitoring Programs Report
526	ML15105A045	01/19/2012	Drawing 2.3-2 - Northwest-Southeast Geologic Cross-Section.
527	ML15104A626	04/01/2012	2012 Water Quality Integrated Report.
528	ML15104A637	05/08/2012	Geophysical Boring Logs.
529	ML15104A620	01/15/2013	2012 Nebraska Water Monitoring Programs Report.
530	ML15082A164	01/09/2014	CBR MEA App J - BOW Lab Analysis BOW-1 BOW-2 BOW-3.
531	ML15082A247	01/09/2014	CBR MEA App J - BOW Lab Analysis BOW-4A BOW-5 BOW-6.
532	ML15082A249	01/10/2014	CBR MEA App J - BOW Lab Analysis BOW-7 BOW-8.
533	ML15082A152	01/14/2014	CBR MEA App J - AOW Lab Analysis AOW-3 AOW-4 AOW-5.

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ID No.	Accession Number	Document Date	Title/Description
534	ML15082A254	01/14/2014	CBR MEA App J - BOW Lab Analysis BOW-9 BOW-10 BOW-11.
535	ML15082A244	01/16/2014	CBR MEA App J - AOW Lab Analysis AOW-10 AOW-11.
536	ML15082A160	11/17/2014	CBR MEA App J - AOW Lab Analysis AOW-6 AOW-8 AOW-9.
537	ML15082A246	03/16/2015	ACBR MEA dd'l Notes #2 (email 6 of 8).
538	ML15078A363	03/16/2015	CBR E-mail Additional Notes Bullet #1, Crow Butte Resources, Inc., Source Materials License SUA-1534.
539	ML15085A014	03/16/2015	CBR E-mail CBR Clarification of the MEA Depth to the Basal Chadron, Crow Butte Resources, Inc., Source Materials License SUA-1534.
540	ML15078A392	03/16/2015	CBR E-mail; Response to MEA RAI 25, Crow Butte Resources, Inc., Source Materials License SUA-1534.
541	ML15082A151	03/16/2015	CBR MEA Add'l Notes #2 (email 2 of 8).
542	ML15082A158	03/16/2015	CBR MEA Add'l Notes #2 (Email 3 of 8).
543	ML15082A161	03/16/2015	CBR MEA Add'l Notes #2 (Email 4 of 8).
544	ML15082A243	03/16/2015	CBR MEA Add'l Notes #2 (email 5 of 8).
545	ML15082A248	03/16/2015	CBR MEA Add'l Notes #2 (email 7 of 8).
546	ML15082A252	03/16/2015	CBR MEA Add'l Notes #2 (email 8 of 8).
547	ML15082A137	03/16/2015	CBR MEA Add'l Notes Bullet #2 and Section 2.9.3.3.
548	ML15082A298	03/16/2015	CBR MEA- App V-1 Part 1.
549	ML15082A311	03/16/2015	CBR MEA- App V-1 Part 2.
550	ML15082A316	03/16/2015	CBR MEA- App V-1 Part 3.

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ID No.	Accession Number	Document Date	Title/Description
551	ML15085A015	03/16/2015	CBR MEA Clarification of the MEA Depth to the Basal Chadron.
552	ML15082A136	03/16/2015	CBR MEA in Front of Each Prescribed e-mail Title and Attachment Titles.
553	ML15082A293	03/16/2015	CBR MEA- RAI 12D (email 1 of 3).
554	ML15082A307	03/16/2015	CBR MEA- RAI 12D (email 2 of 3).
555	ML15082A313	03/16/2015	CBR MEA- RAI 12D (email 3 of 3).
556	ML15082A295	03/16/2015	CBR MEA- RAI 12D.
557	ML15082A142	03/16/2015	CBR MEA Table 2 9-11 Quarterly Sampling Rad Chadron Rev 2015.
558	ML15082A146	03/16/2015	CBR MEA Table 2 9-42 MEA Radiological Analytical Results Arikaree Wells.
559	ML15082A147	03/16/2015	CBR MEA Table 2 9-43 MEA Non-Radiological Analytical Results Arikaree Wells.
560	ML15082A138	03/16/2015	CBR MEA Table 2 9-8 MEA Brule Mon Wells Qtrly for 2013-2014 NonRad 02 04 2015.
561	ML15082A139	03/16/2015	CBR MEA Table 2 9-9 MEA Brule Mon Wells Qtrly for 2013-2014 Rad 2 05 2015.
562	ML15082A144	03/16/2015	CBR MEA Table 2.9-10 MEA Non-Radiological Quarterly Sampling Results for Chadron Fm Monitor Wells 2015.
563	ML15082A154	03/16/2015	CBR MEA TR Figure 2.7-8 Crow Butte Arikaree and Brule Monitor Wells.
564	ML15078A395	03/16/2015	CBR Response to MEA RAI 25.
565	ML15078A366	03/16/2015	CBR Revision to MEA Section 2.9.8.2.
566	ML15090A526	04/02/2015	Letter to L. Teahon re: Crow Butte Request for Additional Information for License Condition 11.11 Response.
567	ML15104A700	04/14/2015	Appendix 10 - Baseline and Restoration Values.

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ID No.	Accession Number	Document Date	Title/Description
568	ML15105A058	04/15/2015	Mineralogy of Uranium Ore from the Crow Butte Uranium Deposit, Oligocene Chadron Formation, Northwestern Nebraska, Open-File Report 89-225.

May 1, 2015

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
CROW BUTTE RESOURCES, INC.) Docket No. 40-8943-MLA-2
(Marsland Expansion Project)) ASLBP No. 13-926-01-MLA-BD01

AFFIDAVIT OF THOMAS LANCASTER CONCERNING
MANDATORY DISCLOSURE REQUIREMENT OF 10 C.F.R. § 2.336(c)

I, Thomas Lancaster, do hereby state as follows:

1. I am employed as a Hydrogeologist in the Nuclear Regulatory Commission's Nuclear Regulatory Commission's Office of Nuclear Materials Safety and Safeguards, Division of Decommissioning, Uranium Recovery, and Waste Programs, Uranium Recovery Licensing Branch. Among my responsibilities, I serve as Project Manager for Crow Butte Resources Inc.'s application for a license amendment to construct and operate the proposed Marsland Expansion Area uranium recovery facility. In this capacity, I am managing the preparation of the NRC Staff's hearing file and mandatory disclosures in connection with Crow Butte Resource's application.

2. I hereby certify that all materials the Staff must disclose in this proceeding under 10 C.F.R. § 2.336(b) and (c) have been disclosed, and that the disclosures are accurate and complete as of the date of this certification.

3. I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge, information and belief.

/Executed in accord with 10 C.F.R. § 2.304(d)/

Thomas Lancaster

U.S. Nuclear Regulatory Commission

Mail Stop T-8F5

Washington, DC 20555-0001

301-415-6563

Thomas.Lancaster@nrc.gov

Executed in Rockville, MD
this 1st day of May, 2015.

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING BOARD

In the Matter of)
CROW BUTTE RESOURCES, INC.) Docket No. 40-8943-MLA-2
(Marsland Expansion Project)) ASLBP No. 13-926-01-MLA-BD01

CERTIFICATE OF SERVICE

I hereby certify that copies of the foregoing "NRC STAFF'S MAY 2015 UPDATE TO HEARING FILE AND DISCLOSURES" in the above-captioned proceeding have been served via the Electronic Information Exchange ("EIE"), the NRC's E-Filing System, this 1st day of May, 2015, which to the best of my knowledge resulted in transmittal of the foregoing to those on the EIE Service List for the above-captioned proceeding.

/Signed (electronically) by/
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