



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

September 25, 2026

Tate Hagman, Restoration Manager
Crow Butte Resources, Inc.
86 Crow Butte Road
Post Office Box 169
Crawford, NE 69339-0169

**SUBJECT: CROW BUTTE RESOURCES, INC. - NRC INSPECTION REPORT
04008943/2026001**

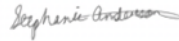
Dear Tate Hagman:

On September 9-10, 2026, the U.S. Nuclear Regulatory Commission (NRC) completed an inspection at your Crow Butte Project near Crawford, Nebraska. The inspection examined activities conducted under your license as they relate to public health and safety, the common defense and security, and to confirm compliance with the Commission's rules and regulations and the conditions of the license. Within these areas, the inspection consisted of selected examination of procedures and representative records, observations of activities, measurements of radiation levels, and interviews with personnel.

The inspection findings were discussed with you and other members of your staff at the conclusion of the onsite inspection on September 10, 2026. The enclosed report presents the results of this inspection. No findings or violations of more than minor significance were identified during the inspection, and no response to this letter is required.

In accordance with 10 CFR 2.390 of the NRC's "Agency Rules of Practice and Procedures," a copy of this letter, its enclosure, and your response, if you choose to provide one, will be made available electronically for public inspection in the NRC Public Document Room and from the NRC's ADAMS, accessible from the NRC website at <http://www.nrc.gov/reading-rm/adams.html>. To the extent possible, your response should not include any personal privacy or proprietary information so that it can be made available to the public without redaction.

Sincerely,



Signed by Stephanie Anderson on 09/25/26

Stephanie Anderson, Acting Chief
Decommissioning Oversight, Evaluation, and
Remediation Branch
Division of Decommissioning, Fuels, ISFSIs, and
Transportation

Docket No. 04008943
License No. SUA-1534

Enclosure:
NRC Inspection Report 04008943/2026001

cc w/enclosure: Distribution via GovDelivery Subscription

T. Dyer, Crow Butte Resources
Becki Wisell, Nebraska DHHS

SUBJECT: CROW BUTTE RESOURCES, INC. - NRC INSPECTION REPORT 040-08943/2026-001 DATED SEPTEMBER 25, 2026

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U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report

Docket No.	040-08943
License No.	SUA-1534
Report No.	04008943/2026001
Enterprise Identifiers:	I-2026-001-0120
Licensee:	Crow Butte Resources, Inc.
Facility:	Crow Butte Project
Location:	Dawes County, Nebraska
Inspection Dates:	September 9-10, 2026
Inspectors:	C. Dennes, Health Physicist M. Abbaszadeh, Senior Health Physicist T. Lancaster, Hydrogeologist L. Guo, Hydrogeologist
Approved By:	S. Anderson, Acting Chief Decommissioning Oversight, Evaluation, and Remediation Branch Division of Decommissioning, Fuels, ISFSIs and Transportation

Enclosure

SUMMARY

This U.S. Nuclear Regulatory Commission (NRC) inspection was a routine, announced team inspection of activities being conducted at the licensee's Crow Butte Project, Dawes County, Nebraska. No findings or violations of more than minor significance were identified during the inspection.

List of Findings of Significance and Violations

No findings or violations of more than minor significance were identified.

Additional Tracking Items

None.

SITE STATUS

At the time of the inspection, the site remained under care and maintenance mode, with no active uranium processing or yellowcake drying operations taking place. Site activities since previous inspection during this period focused primarily on the continued management of wellfield flows and groundwater restoration. This was achieved through the use of a reverse osmosis system and ion exchangers. Site activities since the previous inspection also included groundwater stability sampling and uranium production and packaging. The inspectors confirmed that there was no uranium processing or yellowcake drying in progress at the time of the inspection. The Marsland Expansion Area, located in Marsland, Nebraska, has not yet commenced operations and no construction has occurred. At the time of the inspection, inspectors observed no activity in the area.

There were no significant changes to site features or site operations since the last inspection in August 2025 ([ML25226A245](#)).

INSPECTION SCOPES

The inspection was conducted using the appropriate portions of the inspection procedures (IPs). Currently approved IPs are located on the public website at <http://www.nrc.gov/reading-rm/doccollections/insp-manual/inspection-procedure/index.html>. The inspectors reviewed selected procedures and records, observed activities, and interviewed personnel to assess licensee performance and compliance with Commission rules and regulations, license conditions, site procedures, and standards. The inspection was declared complete when the objectives of the IPs were met, consistent with Inspection Manual Chapter (IMC) 2801, "Uranium Recovery and 11e.(2) Byproduct Material Facility Inspection Program."

IP 89005 – Management Organization and Controls at Uranium Recovery and 11e.(2) Byproduct Material Facilities

The inspectors:

- (1) Reviewed 2025 Annual ALARA Report and 2025 Land Use Survey dated May 26, 2026 ([ML26146A215](#))
- (2) Reviewed 2025 Additional Protocol Reports including forms AP-1 (certification), AP-2, (contact information), AP-7 (concentration plant operations) and AP-8 (holdings impure source material)
- (3) Reviewed Annual Report of Changes, Tests and Experiments dated January 5, 2026 ([ML26005A145](#))
- (4) Reviewed Licensee's organizational structure in place at the time of the inspection

IP 89020 – Groundwater and Water Management at Uranium Recovery and 11e.(2) Byproduct Material Facilities

The inspectors:

- (1) Observed the centralized computer automation facility used to monitor site activities to confirm that alarms were in use to ensure minimum extraction rates were maintained across the well fields

- (2) Observed the control room to confirm that the production well extraction rates were providing an adequate bleed rate (pumping rate) to create an inward hydraulic gradient in the mine units
- (3) Observed Wellhouse 36 and 40 in Mine Unit 8 to observe the manifold layout and operating injection/extraction wells
- (4) Reviewed Excursion Monitoring Report for 1st Quarter, 2026 dated April 7, 2026 ([ML26189A400](#))
- (5) Reviewed Excursion Monitoring Report for 2nd Quarter, 2026 dated July 8, 2026 ([ML26189A400](#))
- (6) Reviewed the On-Site Laboratory Manual of Standard Operating Procedures
- (7) Conducted interviews with laboratory technicians regarding operating procedures and data maintenance practices
- (8) Toured the On-Site Laboratory to observe the testing equipment, laboratory chemical storage and quality control features
- (9) Reviewed contoured, groundwater elevation map and production rates for the facility for a qualitative evaluation of the inward hydraulic gradient during the inspection review period
- (10) Reviewed Underground Injection Control Class I Injection Well Permit
- (11) Reviewed procedure CBR-SOP-017 "Responding to Operational Alarming," Revision 13

IP 89025 – Assessment of Dryer and Yellowcake Packaging Operations

The inspectors:

- (1) Observed the dryer and yellowcake packaging area
- (2) Reviewed procedure CBR-EPRP-004G, "Yellowcake (Uranyl peroxide)," dated June 30, 2016
- (3) Conducted a limited review of operational data related to uranium production
- (4) Interviewed the supervisor of operations to discuss significant changes to dryer and yellowcake packaging operations, maintenance activities, radiological sampling/monitoring in the dryer enclosure, and incidents related to dryer operations
- (5) Reviewed Yellowcake Inventory checklist dated June 30, 2026
- (6) Reviewed procedure CBR-SOP-019 "Yellowcake Dryer Operation and Maintenance," Revision 24

IP 89030 – Radiation Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities

The inspectors:

- (1) Reviewed procedures of CBR-RPP-002, "Health Physics Organization and Management," Revision 5, CBR-RPP-004, "External Radiation Protection," Revision 2 and CBR-RPP-008, "Exposure Monitoring," Revision 5
- (2) Reviewed dosimetry reports, exposure calculations, site monthly radiation safety summary reports, and respirator fit tests
- (3) Reviewed records for equipment contamination survey and release dated December 30, 2025, March 24, 2026, and June 1, 2026
- (4) Verified worker doses were within regulatory and site limits
- (5) Reviewed in-plant survey results including wellhouse gamma radiation surveys, dose rate surveys, and contamination surveys

- (6) Observed use of instrumentation in the field for surveying out of a radiologically restricted area and checked the calibration and functional status of three survey instruments being used in the facility
- (7) Reviewed bioassay sample results and discussed the bioassay program with the RSO
- (8) Reviewed training records including visitor, respirator, annual refresher training, instrument calibration records, instrument parameter print outs, and source certificates
- (9) Conducted site tours and performed independent surveys in part, to measure ambient radiation levels using a Ludlum Model 19 Micro R Meter (serial number 33033, calibration due date of 6/26/27)
- (10) Reviewed personal dose details for the yellowcake loading and packaging for the months of September 2025, October 2025, and November 2025
- (11) Reviewed CBR-RPP-Form-012 "Personal Contamination Spot Check," dated 8/6/2026, Revision 4

IP 89035 – Radioactive Waste Management and Transportation at Uranium Recovery and 11e.(2) Byproduct Material Facilities

The inspectors:

- (1) Observed the central processing plant to verify control of radioactive waste
- (2) Reviewed the most recent Straight Bill of Lading (shipping paper) on September 10, 2026, for an offsite shipment including the associated calculation used to determine the total shipment activity to verify shipment was properly classified
- (3) Verified that that licensee continued to have a Byproduct Disposal Agreement as required by License Condition 9.9
- (4) Observed an operator conducting a daily/weekly monitoring of evaporation ponds including verification of liner leaks, pond water depth, and pond embankments
- (5) Reviewed Straight Bill of Lading (shipping paper) for two 11e.(2) byproduct material shipments to an authorized facility dated December 1, 2025 and December 9, 2025, and discussed the calculation of the activities for the shipments
- (6) Reviewed procedure CBR-RPP-009 "Transportation of Radioactive Material" Revision 9

IP 89045 – Effluent Control and Environmental Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities

The inspectors:

- (1) Reviewed the two 2025 Semi-Annual Radiological Effluent and Environmental Monitoring Reports dated August 27, 2025, and February 23, 2026 ([ML26054A049](#) and [ML25239A332](#), respectively) to verify the liquid effluent and monitoring programs were conducted in accordance with applicable license conditions
- (2) Observed the Deep Disposal Well 1 and 2 wellhouse, including piping, filtration system, and annulus tank, to confirm operations were conducted in accordance with procedure CBR-SOP-022, "Deep Disposal Well Operation and Control," Revision 19
- (3) Reviewed procedure CBR-RPP-003, "Airborne Radioactivity," Revision 6
- (4) Reviewed airborne effluent monitoring results including radon and radon progeny sample results for both the central processing plant and well houses

- (5) Observed Air Monitor 5, a fixed radon monitoring station, and reviewed the instrumentation used to monitor airborne radioactivity
- (6) Observed sampling and mechanical integrity testing of a monitoring well

IP 89050 – Emergency Preparedness and Fire Protection at Uranium Recovery and 11e.(2)
Byproduct Material Facilities

The inspectors:

- (1) Reviewed procedure CBR-EPRP-007, “Radiological & Spill Emergencies,” Revision 10
- (2) Confirmed the location and contents of the spill response kit, as established in procedure CBR-EPRP-007
- (3) Interviewed the supervisor of operations to evaluate whether the licensee’s fire protection program was adequate

INSPECTION RESULTS

No findings or violations of more than minor significance were identified during this inspection.

EXIT MEETING

The inspectors verified that no proprietary information was retained or documented in this report. The inspectors presented the final inspection results to Tate Hagman, Restoration Manager, and other members of the licensee's staff at the conclusion of the onsite inspection on September 10, 2026.

ATTACHMENT

Crow Butte Resources Records Request dated July 23, 2026

**The following items are requested for the
Operating Uranium Recovery Inspection
at Crow Butte Resources
September 9 – 10, 2026
Inspection Report 2026-001**

Inspection Procedures (IP) to be implemented:

1. IP 89005, Management Organization and Controls at Uranium Recovery and 11e.(2) Byproduct Material Facilities
2. IP 89020, *Groundwater and Water Management at Uranium Recovery and 11e.(2) Byproduct Material Facilities*
3. IP 89030, Radiation Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities
4. IP 89035, Radioactive Waste Management and Transportation at Uranium Recovery and 11e.(2) Byproduct Material Facilities
5. IP 89045, Effluent Control and Environmental Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities
6. IP 89050, Emergency Preparedness and Fire Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities
7. IP 89025 Assessment of Dryer and Yellowcake Packaging Operations

Please have the requested documents uploaded to the external NRC SharePoint site no later than August 21, 2026.

For each inspection procedure, please submit the information specified below. If multiple procedures require the same documentation, a single submission will be sufficient. Should any requested document be too extensive for scanning and uploading, it may be made available for in-person review during the inspection. If a document is not relevant to your facility or operations, indicate this and omit that item.

Inspectors:

1. Christian Dennes, Lead
2. Muhammadali Abbaszadeh
3. Tom Lancaster
4. Lifeng Guo

If there are any questions, please contact Christian Dennes, 817-200-1529, or via email at Christian.Dennes@nrc.gov.

PAPERWORK REDUCTION ACT STATEMENT

This letter contains voluntary information collections that are subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). The Office of Management and Budget (OMB) approved these information collections (approval number 3150-0011). The burden to the public for these information collections is estimated to average 90 hours per response. Send comments regarding this information collection to the FOIA, Library and Information Collection Branch, Office of the Chief Information Officer, Mail Stop: t6-A10M, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by email to Infocollects.Resource@nrc.gov, and to the Desk Officer, Officer of Information and Regulatory Affairs, NEOB-10202, (3150-0011) OMB, Washington, DC 20503.

1. **IP 89005, Management Organization and Controls at Uranium Recovery and 11e.(2) Byproduct Material Facilities**
 - A. Current organizational chart and staffing qualifications
 - B. Documentation on recent changes to management or procedures
 - C. Plant review committee and radiation safety committee meetings since last inspection
 - D. 2025 records of ALARA program review
 - E. Facility procedures and 2025 Additional Protocol reports
 - F. 2025 annual report of Changes, Tests and Experiments
2. **IP 89020, Groundwater and Water Management at Uranium Recovery and 11e.(2) Byproduct Material Facilities**
 - A. Groundwater corrective action and monitoring program documentation
 - B. Annual and semi-annual groundwater status reports completed since last inspection
 - C. Spill and leakage reports since last inspection
 - D. Records of pond, impoundment, well, and underdrain monitoring and sampling since last inspection
 - E. Documentation of any changes to groundwater or water management program
3. **IP 89030, Radiation Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities**
 - A. Radiation protection program description and procedures
 - B. Occupational exposure records, bioassay results, and dose assessments since last inspection
 - C. Records of radiological surveys, instrument calibrations, and contamination surveys since the last inspection
 - D. Training records for workers and visitors since the last inspection
 - E. Routine and non-routine reports submitted to NRC since the last inspection
4. **IP 89035, Radioactive Waste Management and Transportation at Uranium Recovery and 11e.(2) Byproduct Material Facilities**
 - A. Effluent and environmental monitoring program documentation
 - B. Routine and non-routine effluent/environmental monitoring reports since last inspection
 - C. Calibration records for monitoring equipment since last inspection
 - D. Public dose assessment reports and annual land use surveys since last inspection
 - E. Documentation of any changes to effluent/environmental programs
 - F. Shipments of 11e.(2) byproduct materials since the last inspection
5. **IP 89045, Effluent Control and Environmental Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities**
 - A. Monitoring Reports Effluent and environmental monitoring program documentation
 - B. Routine and non-routine effluent/environmental monitoring reports since last inspection
 - C. Calibration records for monitoring equipment since last inspection
 - D. Public dose assessment reports and annual land use surveys

E. Documentation of any changes to effluent/environmental programs

6. IP 89050, Emergency Preparedness and Fire Protection at Uranium Recovery and 11e.(2) Byproduct Material Facilities

- A. Emergency preparedness and fire protection program manuals and procedures
- B. Records of emergency response drills, training, and equipment inventories since last inspection
- C. Agreements and contact lists for offsite support agencies
- D. Incident/accident reports and corrective actions since last inspection
- E. Audit and assessment reports for emergency preparedness and fire protection since last inspection

7. IP 89025, Assessment of Dryer and Yellowcake Packaging Operations

- A. Procedures of handling, processing, and storing yellowcake
- B. Procedures for emergency instructions for yellowcake spills
- C. Maintenance logs for dryer equipment, support systems, alarms, and ventilation systems
- D. Documentation of any changes in dryer or yellowcake packaging operations since the last inspection

Regulatory Basis

Licensees are reminded that records required to demonstrate compliance with NRC requirements must be maintained in accordance with:

- Title 10 of the Code of Federal Regulations 50.75(G) – Records of decommissioning
- Title 10 of the Code of Federal Regulations 20.2103 – 20.2108 – Recordkeeping requirements for radiation protection, effluents, surveys, and waste disposal

Documentation should be complete, current, and clearly identify revisions and effective dates. Proprietary or sensitive information should be appropriately marked in accordance with 10 CFR 2.390 (Public inspections, exemptions, requests for withholding).