



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
REGION II
245 PEACHTREE CENTER AVENUE N.E., SUITE 1200
ATLANTA, GEORGIA 30303-1200

July 18, 2023

James J. Bittner
Vice President and General Manager
BWXT Nuclear Operations Group, Inc.
P.O. Box 785
Lynchburg, VA 24505-0785

SUBJECT: BWXT NUCLEAR OPERATIONS GROUP, INC. – INTEGRATED INSPECTION
REPORT 07000027/2023002

Dear James J. Bittner:

This letter refers to the U.S. Nuclear Regulatory Commission (NRC) inspection activities conducted from April 1, 2023, to June 30, 2023, for the BWXT Nuclear Operations Group, Inc., facility. On June 30, 2023, the NRC inspectors discussed the results of this inspection with you. The results of this inspection are documented in the enclosed report.

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

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with Title 10 of the *Code of Federal Regulations* 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Sincerely,

A handwritten signature in blue ink, appearing to read "Eric Michel".

Signed by Michel, Eric
on 07/18/23

Eric C. Michel, Chief
Projects Branch 2
Division of Fuel Facility Inspection

Docket No. 07000027
License No. SNM-42

Enclosure:
As stated

cc w/ encl: Distribution via LISTSERV

SUBJECT: BWXT NUCLEAR OPERATIONS GROUP, INC. – INTEGRATED INSPECTION REPORT 07000027/2023002 DATED: JULY 18, 2023

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**U.S. NUCLEAR REGULATORY COMMISSION
Inspection Report**

Docket Number: 07000027

License Number: SNM-42

Report Number: 07000027/2023002

Enterprise Identifier: I-2023-002-0064

Licensee: Nuclear Operations Group, Inc.

Facility: BWXT Nuclear Operations Group, Inc.

Location: Lynchburg, VA 24505

Inspection Dates: April 01, 2023, to June 30, 2023

Inspectors: L. Cooke, Fuel Facility Inspector
M. Doyle, Senior Resident Inspector
K. Sullivan, General Engineer NRAM
C. Taylor, Sr. Fuel Facility Project Inspector

Approved By: Eric C. Michel, Chief
Projects Branch 2
Division of Fuel Facility Inspection

Enclosure

SUMMARY

The U.S. Nuclear Regulatory Commission (NRC) continued monitoring the licensee's performance by conducting an integrated inspection at BWXT Nuclear Operations Group, Inc., in accordance with the fuel cycle facility inspection program. This is the NRC's program for overseeing the safe operation of licensed fuel cycle facilities. Refer to <https://www.nrc.gov/materials/fuel-cycle-fac.html> for more information.

List of Violations

No violations of more than minor significance were identified.

Additional Tracking Items

None.

PLANT STATUS

During the inspection period, routine fuel manufacturing operations and maintenance activities were conducted in the fuel processing areas, the uranium recovery (UR) facility, and the research and test reactors (RTR) facility.

INSPECTION SCOPES

Inspections were conducted using the appropriate portions of the inspection procedures (IPs) in effect at the beginning of the inspection unless otherwise noted. Currently approved IPs with their attached revision histories are located on the public website at <http://www.nrc.gov/reading-rm/doc-collections/insp-manual/inspection-procedure/index.html>. Inspections were declared complete when the IP requirements most appropriate to the inspection activity were met consistent with Inspection Manual Chapter 2600, "Fuel Cycle Facility Operational Safety and Safeguards Inspection Program." 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.

SAFETY OPERATIONS

88020 - Operational Safety

The inspectors evaluated selected aspects of the licensee's operational safety program to verify compliance with selected portions of Title 10 of the *Code of Federal Regulations* (10 CFR) 70, "Domestic Licensing of Special Nuclear Material," including 70.24, 70.61, 70.62, and chapter 11, "Management Measures," of the facility's license application, and applicable licensee procedures.

Identification of Safety Controls and Related Programs (IP Section 02.01)

The inspectors selected specific process areas for inspection based on the safety basis information of the facility, the risk/safety significance of the process areas, the description of plant changes submitted to the NRC, and past plant performance documentation. For the process areas of interest, the inspectors selected a sample of accident sequence information provided in the integrated safety analysis (ISA) summary, safety basis documentation. The inspectors conducted a general plant tour of each major plant operating area. The process areas and accident sequences selected for review are listed below:

- safety analysis report (SAR) 15.09, "Main Extraction and Drum Dryer Processes in Uranium Recovery," Revision (Rev.) 107
- observed other ongoing processing, sampling, and maintenance activities in UR.

Review of Safety Controls and Related Programs (IP Section 02.02)

The inspectors reviewed information related to administrative, engineered, and passive safety controls or items relied on for safety (IROFS) for the accident sequences selected above including the identification of the licensee's assumptions and bounding cases as they apply to each of the selected accident sequences, safety controls, or IROFS.

This review was performed to verify that the controls or IROFS were available and reliable to perform their intended safety functions and that the design basis assumptions were reflected in the actual conditions in the field. The specific safety controls selected for review are listed below:

- temperature, pressure, and mass control IROFS EVP 1-3a through EVP 1-3c for prevention of red oil formation in the evaporators listed in SAR 15.09 table 15.9.4.2.1, "Chemical Safety Parameters and Limits, Controls and Control Maintenance."
- mass control IROFS EVP 1-1 and EVP 1-2 for evaporators (1 through 6) listed in SAR 15.09 table 15.9.4.1.1, "Criticality Safety Parameters and Limits, Controls, and Control Maintenance."
- geometry IROFS SBFE 1-1 for sample boxes and filter enclosures listed in SAR 15.09 table 15.9.4.1.1
- mass control IROFS SCHX1-1 and SCHX-2 for steam condensate cooling heat exchangers listed in SAR 15.09 table 15.9.4.1.1
- geometry IROFS, CCE1-1, CCE1-2, CCE1-3, CCE1-4, and CCE1-5 for centrifuge contactors and enclosures listed in SAR 15.09 table 15.9.4.1.1
- moderation IROFS CCE1-2, CCE1-3, CCE1-4, and CCE1-5 for centrifuge contactors and enclosures listed in SAR 15.09 table 15.9.4.1.1
- geometry IROFS DDG-10, DDG-14, and DDG-15 for drum dryer systems enclosure, loading and elevator glove box listed in SAR 15.09 table 15.9.4.1.1
- spacing IROFS DDS-1, DDS-2, and DDSS-2 for the drum dryer system listed in SAR 15.09 table 15.9.4.1.1
- volume IROFS DDV-1 for drum dryer system listed in SAR 15.09 table 15.9.4.1.1
- product piece count IROFS DDMS-1 for drum dryer system listed in SAR 15.09 table 15.9.4.1.1
- conducted walkdowns of UR and drum dryer system to verify compliance with mass, geometry, housekeeping, and posting requirements of quality work instruction (QWI) 9.1.7, "Preventive/Predictive Maintenance and Other Safety-Related Controls Testing Program, " Rev. 13

Implementation of Safety Controls (IP Section 02.03)

For the selected safety controls listed above, the inspectors reviewed management measures to verify proper implementation in accordance with 10 CFR 70 and applicable sections of the license application. This review was performed to verify that selected safety controls or IROFS were present, available, and reliable to perform their safety function and that the design basis assumptions were reflected in the actual conditions in the field. The inspectors conducted the following activities to verify the implementation of selected safety controls:

- conducted a walkdown of various passive engineered IROFS features identified in nuclear criticality safety (NCS)-2004-069, "Nuclear Safety Release Supporting Phase 5 of SER 03-033, "Centrifugal Contactor System - Install Contactors and Other Equipment Necessary for the Contactor Operation," including drain system to ensure favorable geometry, equipment installation requirements that limit specific quantity and spacing for the centrifugal contactors in UR and drum dryer system.

- observed various NCS postings in the main extraction and drum dryer areas (i.e., IROFS CCE1-1, DDS-1, DDS-2, DDSS-2, DDPPC-1, and DDMS-1) to control mass, spacing, and moderator limits.
- conducted a walkdown of drum dryer system to verify independent and second independent drain in the drum dryer enclosure as described in NCS-2019-014, "Safety Release for a New Recovery Drum Dryer System per SER 17-048 Phase 1."
- reviewed CHG-00009650, "Changes to SAR 15.09 and SAR Appendix 15.09 per CA202001323 and Action Item 07588," related to removing uranium concentration control IROFS for the evaporators.
- conducted a walkdown of the steam condensate lines in UR for the steam condensate cooling heat exchangers to verify condensate lines terminate above annular tank and siphon breaks were present as described in NCS-2011-075, "Nuclear Safety Release Supporting SER 10-032 (Primary Condensate Annular Tank Install dated 4/28/2011)"
- observed UR and drum dryer operations and interviewed one supervisor and three operators.

Safety Control Support Programs (IP Section 02.04)

The inspectors assessed additional management measures that support the availability and reliability of the selected safety controls to verify these were implemented in accordance with 10 CFR 70 and applicable sections of the license application. Specifically, the inspectors conducted the following:

- observed quarterly uranium sampling and security protocol of sample valve #120003 for cooling discharge in UR per maintenance plan (MP) 1086, "Quarterly Sampling of Cooling Water Discharge for U-235", work order (WO) 20333839 and WO 20338482
- reviewed NCS-2006-090, SAP maintenance plan, preventive/predictive maintenance and safety-related controls testing program, QWI 9.1.7 to review the MP, and testing schedule for UR and the drum dryer system.
- reviewed MP 3161, "Semi-Annual Pressure Testing for Heat Exchanger Integrity," dated 01/3/2023, WO 20335407 and WO 20324845
- reviewed MP 3366, "Evaporators 1-6 Heat Exchanger Integrity Test" dated 08/02/2022 and 02/27/2023, WO 20328390 and WO 20338553
- reviewed MP 5146, "Quarterly Sampling of Cooling Water Discharge for U235, Valve 120002," WO 20334943 and WO 20339357
- reviewed operating procedure E61-019, "Daily Uranium and Safety Inventory Procedure and Checklist Form," Rev. 14: May 2023 for IROFS SCHX1-2
- reviewed OP-0061234, "Operating Procedure for Performing Maintenance in UPRR," Rev. 60
- reviewed OP-0061121, "Primary Evaporator Systems," Rev. 33
- reviewed corrective action program entries/documents for area process affecting UR IROFS (see document list)
- reviewed a sample of training qualification records for operators (ID: H3850, H3286, H2206, and H3855) in the UR and drum dryer area; document topics included introduction to recovery, advanced recovery operator functions, recovery scrubber, and drum dryer area activities.

- reviewed audits and assessments of the UR process and drum dryer system (see document list)
- reviewed HS 2022-020, "Removal of Crediting Trained Operator Utilizing Densitometers as an IROFS in SAR 15.09."

88135.02 - Plant Status

The inspectors routinely conducted walkdowns of licensee areas, observed operators, material control and accounting and security force personnel, inspected postings and licensee guidance documents, interviewed plant personnel, and discussed the results of operational and shift turnover meetings to gain insight into the status of facility activities, risk-inform the selection and implementation of the appropriate core inspection procedures, and ensure compliance with license and regulatory requirements.

Plant Tours (IP Section 03.01)

The inspectors performed weekly tours of plant operating areas housing special nuclear material (SNM) to verify that licensed activities were conducted safely and in compliance with the license and 10 CFR 70, "Domestic Licensing of Special Nuclear Material."

Status Meetings (IP Section 03.02)

The inspectors, on a routine basis, attended and reviewed the results of scheduled licensee meetings to determine plant status and awareness of site activities so that inspection resources were appropriately focused on those activities with the higher safety significance.

- attended the annual contractor's seminar on June 16, 2023

Identification and Resolution of Problems (IP Section 03.05)

The inspectors reviewed the selected issues below to determine if the licensee was entering equipment, human performance, and other performance issues in a formalized program to identify, track, and assure correction of safety and safeguard significant problems in accordance with 10 CFR 70.62(a)(3) and applicable license requirements.

- CA202300401, incident date April 5, 2023
- CA202300453, incident date April 16, 2023
- CA202300610, incident date May 2, 2023
- CA202300638, incident date May 23, 2023
- CA202300643, incident date May 23, 2023
- CA202300683, incident date June 1, 2023
- CA202300703, incident date June 2, 2023
- CA202300711, incident date June 7, 2023
- CA202300761, incident date June 18, 2023
- CA202300769, incident date June 20, 2023
- CA202300771, incident date June 22, 2023

Event Review (IP Section 03.06)

The inspectors reviewed the plant events listed below to determine if the event warranted the use of formal event review criteria and to evaluate the licensee's response was in accordance with 10 CFR Parts 40.60 (source material), 70.50 (mainly radiological events), 70.52 (criticality and safeguards events), 71.95 (transportation events), 73.71 (safeguards events) and 20.2201, 20.2202, and 20.2203 (radiological and environmental events):

- NCS-2023-037, "NCS Safety Concern for Exceeding the 4-Tier Plate Rack Piece Count Limit," dated April 6, 2023
- NCS-2023-052, "NCS Safety Concern for SFF Waste Discharge into Hot Waste Drains," dated June 6, 2023
- NCS-2023-063, "NCS Safety Concern for HFIR Plates in Non-Fuel Storage Location in RTR," dated June 13, 2023
- NCS-2023-067, "NCS Safety Concern for Hydraulic Leak in Jaw Crusher," dated June 22, 2023
- NCS-2023-071, "NCS Safety Concern for Removal of High-Level Dissolver Filter," dated June 22, 2023

Audits (IP Section 03.07)

The inspectors reviewed the internal audit listed below to determine whether they have been performed in accordance with 10 CFR 70.22(h)(1) and the license application.

- health physics audit 1st quarter 2023 dated March 31, 2023

Radiation Work Permit (IP Section 03.09)

The inspectors reviewed and observed the radiation work permit (RWP) listed below to determine whether the RWP contains the information required by chapter 4, "Radiation Safety," of the license application, the radiation protection manual, and implementing procedures:

- RWP 23-0034, "Clean Bay 12A Saw to Decontaminate in Order to Support Return to Operation," conducted on May 17, 2023

88135.04 - Resident Inspection Program Operational Safety

The inspectors evaluated whether the material condition and as-found configuration of selected site structures, systems, and components, documentation, personnel, and IROFS to verify compliance with 10 CFR 70, the license, the SAR and/or license application, and licensee policies and procedures; and determine whether they are appropriate, available, and reliable to protect worker and public safety during normal, off-normal, and accident conditions.

Operations Safety Walkdown (IP Section 03.01)

The inspectors evaluated the operational safety of the systems and sub-systems of the listed processes associated with SAR 15.28, "Metallographic Laboratories."

- observed the operation of the hot side saw.
- compared met lab storage racks with design drawings.
- observed operations in the met lab.
- reviewed NCS technical work records.
- observed cleanout of the met lab sludge tank.

88135.05 - Resident Inspection Program Fire Protection (Annual/Quarterly)

The inspectors evaluated the operational status and material condition of fire protection systems, structures, and components to verify compliance with the fire protection program as described in chapter 7, "Fire Safety," of the license application, and the National Fire Protection Association 801, "Standard for Fire Protection for Facilities Handling Radioactive Materials," as required.

Fire Area Walkdown (IP Section 03.01)

The inspectors walked down and evaluated the fire area listed below:

- bay 12A, recovery

88135.19 - Post Maintenance Testing

The inspectors evaluated post-maintenance test activities to verify compliance with license application chapter 11, "Management Measures," and test procedures and/or WO instructions to confirm functional capability of the IROFS and/or safety controls following maintenance.

Post-Maintenance Testing (IP Section 03.01)

The inspectors reviewed the post-maintenance tests listed below. Tests were either observed directly or test results were reviewed.

- WO 20333897, oxygen sensor test on filler manufacturing lines #7 and #8 on May 1, 2023
- WO 20347241, leak check of column contactor organic #1 on June 2, 2023

88135.22 - Surveillance Testing

The inspectors evaluated IROFS and safety controls that required periodic surveillance and/or calibration tests to ensure they were available and reliable to perform their function when needed, to comply with license application chapter 11, "Management Measures," and the performance requirements of 10 CFR 70.61 and 70.62, and to maintain their operational readiness consistent with the integrated safety analysis.

Surveillance and Calibration Testing (IP Section 03.01)

The inspectors reviewed the surveillance and/or calibration test listed below. Test was either observed directly or test results were reviewed.

- shift inline monitor operation check for inline monitor #3 on May 17, 2023

INSPECTION RESULTS

No issues were identified.

EXIT MEETINGS AND DEBRIEFS

The inspectors verified no proprietary information was retained or documented in this report.

- On June 30, 2023, the inspectors presented the integrated inspection results to James J. Bittner and other members of the licensee staff.
- On May 25, 2023, the inspectors presented the operation safety inspection results to James J. Bittner and other members of the licensee staff.

DOCUMENTS REVIEWED

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
88020	Corrective Action Documents	CA202200509	Incident 03/29/2023	05/24/2023
88020	Corrective Action Documents	CA202200634	Incident 05/04/2022	05/24/2023
88020	Corrective Action Documents	CA202201581	Incident 11/22/2022	05/24/2023
88020	Corrective Action Documents	CA202201603	Incident 11/28/2022	05/24/2023
88020	Corrective Action Documents	CA202300078	Incident 01/23/2023	05/24/2023
88020	Corrective Action Documents	CA202300083	Incident 01/19/2023	05/24/2023
88020	Corrective Action Documents	CA202300136	Incident 02/06/2023	05/24/2023
88020	Corrective Action Documents	CA202300297	Incident 05/24/2023	05/24/2023
88020	Corrective Action Documents	CA202300632	Incident 05/22/2023	05/22/2023
88020	Corrective Action Documents	CA202300643	Incident 05/23/2023	05/24/2023
88020	Corrective Action Documents	CA202300645	Incident 05/24/2023	05/25/2023
88020	Engineering Changes	CHG-12205	Addition of Secondary Scrub Lines to Adequately Flush Process Systems	03/10/2023
88020	Engineering Changes	CHG-12348	Evaporator System Pressure Gauges MP Creation and Drawing Update	12/15/2022
88020	Engineering Changes	CHG-2545	Revise OPs 61121, 61123, and 61124	09/15/2022
88020	Engineering Changes	CHG-9650	Changes to SAR 15.09 and SAR Appendix 15.09	02/21/2022
88020	Engineering Evaluations	95-00169-00	Fire Loading Calculation for Fire Area 13A-3	12/05/1995

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
88020	Engineering Evaluations	95-0038-00	Fire Loading Calculation for Fire Area 14A-1	01/03/1997
88020	Engineering Evaluations	95-0058-00	Fire Loading Calculation for Fire Area 13A-2	07/05/1995
88020	Engineering Evaluations	HS 2022-020	Removal of Crediting Trained Operator Utilizing Densitometers as an IROFS in SAR 15.09	02/01/2022
88020	Engineering Evaluations	NCS-2004-069	Nuclear Safety Release Supporting Phase 5 of SER03-033, Centrifugal Contactor System - Install Contactors and Other Equipment Necessary for the Contactor Operation, 03-033 Phase 5	03/24/2004
88020	Engineering Evaluations	NCS-2006-090	Nuclear Criticality Safety Release Supporting SAR 15.09 Cross Walk Revision	04/24/2006
88020	Engineering Evaluations	NCS-2011-075	Nuclear Safety Release Supporting SER 10-032 (Primary Condensate Annular Tank)	04/28/2011
88020	Engineering Evaluations	NCS-2012-06	Drum Dryer Safety Release per SER 11-033	05/09/2012
88020	Engineering Evaluations	NCS-2019 -014	NCS Safety Release for a New Recovery Drum Dryer System per SER 17-048 Phase 1	02/01/2019
88020	Miscellaneous	QWI 18.1.1	Safety Training	Rev. 12
88020	Miscellaneous	QWI 4.1.5	Design Criteria for NRC Licensed Activities	Rev. 26
88020	Miscellaneous	QWI 9.1.7	Preventive/Predictive Maintenance and Safety-Related Controls Testing Program	Rev. 13
88020	Miscellaneous	TP-REC-0001	Introduction to Recovery	Rev. 1
88020	Miscellaneous	TP-REC-0002	Advanced Recovery Operator Functions	Rev. 0
88020	Miscellaneous	TP-REC-0007	Primary and Raffinate Extraction Area	Rev. 1
88020	Miscellaneous	TP-REC-0010	Drum Dryer Area	Rev. 0
88020	Miscellaneous	TP-REC-0012	Recovery Scrubber	Rev. 0
88020	Procedures	E61-019	Daily Uranium and Safety Inventory Checklist Form	Rev. 14: May 2023 (Monthly)
88020	Procedures	MP 1086	Quarterly Sampling of Cooling Water Discharge for U-235	03/13/2023, 11/11/2022
88020	Procedures	MP 3161	Recovery Evaporators 1-6 Condenser and Heat Exchanger 1-3 Integrity Test	01/31/2023, 06/30/2022

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
88020	Procedures	MP 3163	Semi-Annual Pressure Testing-Steam Condensate Cooling Heat Exchangers	01/03/2023
88020	Procedures	MP 3346	Annual Replacement of the Pressure Relief Valve Serving Evaporator 1	03/29/2023
88020	Procedures	MP 3348	Annual Replacement of the Pressure Relief Valve Serving Evaporator 2	03/29/2023, 03/03/2022
88020	Procedures	MP 3349	Annual Replacement of the Pressure Relief Valve Serving Evaporator 3	03/29/2023, 03/03/2022
88020	Procedures	MP 3350	Annual Replacement of the Pressure Relief Valve Serving Evaporator 4	03/29/2023, 03/03/2022
88020	Procedures	MP 3351	Annual Replacement of the Pressure Relief Valve Serving Evaporator 5	03/29/2023, 03/03/2022
88020	Procedures	MP 3352	Annual Replacement of the Pressure Relief Valve Serving Evaporator 6	03/29/2023, 03/03/2022
88020	Procedures	MP 3366	Evaporators 1-6 Heat Exchanger Integrity Test	02/07/2023, 08/02/2022
88020	Procedures	MP 4191	Spare Organic Tank High-Level Switch Check	06/01/2022, 11/30/2022
88020	Procedures	MP 4193	Organic Tank High-Level Switch Check	06/01/2022, 11/30/2022
88020	Procedures	MP 5146	Quarterly Sampling of Cooling Water Discharge for U-235	12/15/2022
88020	Procedures	OP-0000272	Liquid Handling at the Retention Tank In-Line Monitor System	Rev. 9
88020	Procedures	OP-0061121	Primary Evaporator System	Rev. 33
88020	Procedures	OP-0061123	Contactactor Evaporator System	Rev. 27
88020	Procedures	OP-0061124	Evaporator #6 Operation	Rev. 19
88020	Procedures	OP-0061129	Drum Dryer Collection of Uranyl Nitrate Crystals	Rev. 59
88020	Procedures	OP-0061161	Operating Procedure for Training of Uranium Processing Operators	Rev. 11
88020	Procedures	OP-0061234	Performing Maintenance in UPRR	Rev. 60
88020	Procedures	QWI 14.1.01	Preventive/Corrective Action System (U)	Rev. 43
88020	Procedures	QWI 17.1.02	Internal Quality Audits	Rev. 23
88020	Radiation Work Permits (RWPs)	23-0012	Flush Recovery HF Line per OP-1018680	Rev. 00

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
88020	Self-Assessments	IA-2572B-2022-06-01		June 2022
88020	Self-Assessments	IA-2572C-2022-07-01		Nov. – Dec. 2022
88020	Self-Assessments	IA-258-3A-2022-05-01		May-June 2022
88020	Self-Assessments	IA-2583J-2022-12-01		Dec. 2022
88020	Work Orders	20334943	Quarterly Sampling of Cooling Water Discharge for U 235	04/07/2023
88020	Work Orders	20335407	Semi-Annual Pressure Testing- Steam Condensate Cooling Heat Exchangers	06/30/2022
88020	Work Orders	20343713	SC DDRY COL HL SEN 1 YURPSM/RECO	05/01/2023
88135.02	Corrective Action Documents	CA202300401	Regulatory - NCS violation	04/05/2023
88135.02	Corrective Action Documents	CA202300610	Safety near hit RP - UIR	05/02/2023
88135.02	Corrective Action Documents	CA202300638	NCS -UIR	05/23/2023
88135.02	Corrective Action Documents	CA202300643	NCS-UIR	05/23/2023
88135.02	Corrective Action Documents	CA202300683	Compliance with instruction	06/01/2023
88135.02	Corrective Action Documents	CA202300703	Work instruction incomplete/incorrect	06/02/2023
88135.02	Corrective Action Documents	CA202300711	NCS-UIR	06/07/2023
88135.02	Corrective Action Documents	CA202300761	UIR-NCS	06/18/2023
88135.02	Corrective Action Documents	CA202300769	NCS-UIR	06/20/2023
88135.02	Corrective Action Documents	CA202300771	NCS-UIR	06/21/2023
88135.02	Engineering Evaluations	NCS-2023-037	NCS Safety Concern for Exceeding the 4-Tier Plate Rack Piece Count Limit	04/06/2023

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
88135.02	Engineering Evaluations	NCS-2023-052	NCS Safety Concern for SFF Waste Discharge into Hot Waste Drains	06/06/2023
88135.02	Engineering Evaluations	NCS-2023-063	NCS Safety Concern for HFIR Plates in Non-Fuel Storage Location in RTR	06/13/2023
88135.02	Engineering Evaluations	NCS-2023-067	NCS Safety Concern for Hydraulic Leak in Jaw Crusher	06/22/2023
88135.02	Engineering Evaluations	NCS-2023-071	NSC Safety Concern for Removal of High-Level Dissolver Filter	06/22/2023
88135.02	Miscellaneous	N-554	Critique meeting minutes for CA202300703	06/07/2023
88135.02	Miscellaneous	N/A	Annual contractor's seminar	06/15/2023
88135.02	Miscellaneous	N/A	2022 ALARA Report	06/05/2023
88135.02	Miscellaneous	RP-13-003, form 2	Health Physics Audit	Rev. 14
88135.02	Procedures	N-50	Employee Review of Area Documents	Rev. 8
88135.02	Procedures	N-79	Evaluation of Unusual Incidents	Rev. 11
88135.02	Procedures	OP-0061167	Operating Procedure for Spill and Leak Handling Emergency Procedure	Rev. 36
88135.02	Procedures	OP-0061450	Operating Procedure for General Safety and Safeguards Guidelines - UPRR Area	Rev. 40
88135.02	Procedures	QWI 14.1.14	Conducting Critique Meetings	Rev. 12
88135.02	Radiation Work Permits (RWPs)	23-0034	Clean Bay 12A Saw to Decontaminate in Order to Support a Return to Operation for "Cold" Material, Repackage Waste Drums	Rev. 00
88135.02	Self-Assessments	N-50	Employee review of area documents	05/25/2025
88135.04	Drawings	LP-4153E	Anocut Saw Filter System	04/02/1990
88135.04	Drawings	LT-3725E	Element Rack for Met Lab Lift or Wall Mount	Rev. 0
88135.04	Drawings	LT-4428	Met Lab Fuel Storage Cabinet	Rev. 2
88135.04	Engineering Evaluations	NCS-1989-305	Anocut Saw Filtration System	11/07/1989
88135.04	Engineering Evaluations	NCS-2000-256	NCS Evaluation for Replacement of Met Lab Hot Saw per SER-00-062	09/20/2000
88135.04	Procedures	OP-1003449	Control of Fuel Residue in Met Lab Preparation Rooms	Rev. 6
88135.04	Procedures	OP-1004709	Operation of Savage Hot Side Saw	Rev. 13
88135.05	Fire Plans	Section 13C	Bay 12A	01/15/2021

Inspection Procedure	Type	Designation	Description or Title	Revision or Date
88135.19	Procedures	E61-648	UPRR Maintenance Work Request Form	Rev. 5
88135.19	Procedures	E61-691	Checklist for UPRR Maintenance Work Order Assessment	Rev. 3
88135.19	Procedures	E61-692	Pressurized Piping and Leak Test Record	Rev. 1
88135.19	Procedures	N-307	Lockout/Tagout Permit	Rev. 2
88135.19	Procedures	N-350	Industrial Engineering Work Request	Rev. 11
88135.19	Procedures	OP-1003724	Filler Manufacturing Operations Areas Safety Controls	Rev. 35
88135.19	Work Orders	20333897	SC Oxygen Sensor 02M110 9MON PAMET	05/01/2023
88135.19	Work Orders	20347241	Replace Contactor Organic Columns 1 & 2	06/02/2023
88135.22	Procedures	E61-644	Shift Inline Monitor Operation Check	Rev. 4
88135.22	Procedures	OP-0061242	Operating Procedure for Inline Monitor System	Rev. 40