



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

April 13, 2022

MEMORANDUM TO: Chairman Hanson
Commissioner Baran
Commissioner Wright

FROM: John W. Lubinski, Director
Office of Nuclear Material Safety
and Safeguards

SUBJECT: ANNUAL REPORT ON AGREEMENT STATES' AND U.S.
NUCLEAR REGULATORY COMMISSION'S RADIOACTIVE
MATERIALS PROGRAMS FOR CALENDAR YEAR 2021

A handwritten signature in blue ink, appearing to be "J. Lubinski", written over a horizontal line.

Signed by Lubinski, John
on 04/13/22

Enclosed is the Calendar Year 2021 annual report to inform the Commission of the status of the Agreement States' and U.S. Nuclear Regulatory Commission's radioactive materials programs. This report was developed in accordance with the June 30, 1997, Staff Requirements Memorandum on SECY-97-054, "Final Recommendations on Policy Statement and Implementing Procedures for: 'Statement of Principles and Policy for the Agreement State Program' and 'Policy Statement on Adequacy and Compatibility of Agreement State Programs.'"

Enclosure:
Annual Report on Agreement States' and
U.S. Nuclear Regulatory Commission's
Radioactive Materials Programs for
Calendar Year 2021

cc: SECY
OGC
OCA
OPA
CFO
EDO

CONTACT: Robert K. Johnson, NMSS/MSST
301-415-7314

The Commissioners

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SUBJECT: ANNUAL REPORT ON AGREEMENT STATES' AND U.S. NUCLEAR
REGULATORY COMMISSION'S RADIOACTIVE MATERIALS PROGRAMS
FOR CALENDAR YEAR 2021 DATED April 13, 2022

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NAME	RJohnson	BAnderson	KWilliams	PMenefee-Buzdygon	JLubinski
DATE	03/21/2022	3/22/022	3/28/2022	3/28/2022	4/13/2022

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**ANNUAL REPORT ON AGREEMENT STATES' AND U.S. NUCLEAR REGULATORY
COMMISSION'S RADIOACTIVE MATERIALS PROGRAMS FOR CALENDAR YEAR 2021**

April 13, 2022

EXECUTIVE SUMMARY

The Calendar Year (CY) 2021 report is a summary of the Agreement State and U.S. Nuclear Regulatory Commission (NRC) radioactive materials program performance, including the ability to: (1) provide reasonable assurance of adequate protection of public health and safety for the safe and secure use of nuclear materials; medical, industrial, and academic applications; uranium recovery activities, low-level radioactive waste sites, and (2) maintain Agreement State programs that are compatible with the NRC's regulatory program.

The NRC verifies the program performance using the Integrated Materials Performance Evaluation Program (IMPEP). Agreement State and NRC programs are determined to be adequate to protect public health and safety if the administration of these programs ensures adequate protection of public health and safety in regulating the use of radioactive material. Overall, the Agreement State and NRC programs (referred to as the National Materials Program (NMP)) continue to provide reasonable assurance of adequate protection of public health and safety.

The NMP's performance, as measured by the IMPEP, has been consistently strong. During CY 2021, 35 of the 39 Agreement State programs had an adequacy finding of adequate to protect public health and safety. The four remaining Agreement States—Florida, Kansas, Mississippi, and Rhode Island—had adequacy findings of adequate to protect public health and safety but needs improvement. For CY 2021, no States had a finding of not adequate to protect public health and safety. The first consolidated NRC IMPEP review including the first IMPEP review of the NRC materials program that considered licensing activities for complex decommissioning and uranium recovery sites was held June 7-11, 2021. All NRC programs (NRC Sealed Source and Device, Uranium Recovery, and NRC Regions I, III, and IV materials programs) remained adequate to protect public health and safety.

Regarding Agreement State compatibility, 37 of the 39 programs had a compatibility finding of compatible with the NRC's regulatory program. The two remaining Agreement States—Florida and New York— had compatibility findings of not compatible with the NRC's regulatory program.

All programs that have IMPEP findings are taking actions to address the issues and the effectiveness of those actions will be reviewed through the IMPEP process.

The CY 2021 IMPEP results demonstrate that the NMP remains protective of public health and safety in regulating the use of radioactive material. Agreement States continue to play a valuable role in the IMPEP as evidenced by the increase in Agreement State participation and collaboration in the NMP activities. The NRC and its regulatory partners continued to effectively implement the program in a flexible, resilient, and innovative manner to accomplish our mission, despite challenges presented by the ongoing COVID-19 pandemic. The NRC staff will continue to monitor performance through the IMPEP and work with the NMP to address any performance issues or trends.

BACKGROUND ON THE NRC AGREEMENT STATE PROGRAM

Section 274 of the Atomic Energy Act of 1954, as amended (AEA), provides broad authority for the U.S. Nuclear Regulatory Commission (NRC) to establish a unique Federal and State relationship in the administration of regulatory programs to provide reasonable assurance of adequate protection of public health and safety in the industrial, medical, commercial, and research uses of agreement material (source, byproduct, and small quantities of special nuclear material as identified by Section 274b. of the AEA). Subsection 274b. of the AEA authorizes the NRC to enter into an agreement by which the NRC relinquishes its regulatory authority and the State assumes regulatory authority over some or all of these materials. In order to discontinue its authority, the NRC must find that the State program is adequate to protect public health and safety and compatible with the NRC program for the regulation of agreement material. The NRC also has an obligation, pursuant to Subsection 274j. of the AEA, to periodically review existing Agreement State program performance to ensure continued adequacy and compatibility.

PERFORMANCE MONITORING

The NRC uses the Integrated Materials Performance Evaluation Program (IMPEP) to periodically review Agreement State and NRC programs (collectively referred to as the National Material Program (NMP)) to verify that these programs are adequate to protect public health and safety, and verify that Agreement State programs are compatible with the areas of the NRC's regulatory program.

Programs are determined to be adequate to protect public health and safety if the administration of these programs provides reasonable assurance of the protection of public health and safety in regulating the use of radioactive material. Adequacy findings under IMPEP result in one of three conclusions: (1) adequate to protect public health and safety, (2) adequate to protect public health and safety but needs improvement, or (3) not adequate to protect public health and safety.

When the NRC promulgates regulations, it determines the degree to which Agreement States regulations must be compatible with the NRC's regulations. Agreement State programs are determined to be compatible with the NRC's regulatory program when Agreement State programs regulations align with this determination, and therefore do not create conflicts, duplications, gaps, or other conditions that jeopardize an orderly pattern in the regulation of agreement material. The IMPEP review compatibility findings for Agreement State programs are either compatible or not compatible.

The frequency of IMPEP reviews range from 1 to 5 years, based on the program's performance. All reviews are conducted in accordance with the NRC Management Directive 5.6, "Integrated Materials Performance Evaluation Program (IMPEP)," and are conducted by teams of NRC and Agreement State staff members. A Management Review Board (MRB), composed of senior NRC managers and an Organization of Agreement States representative, convenes to deliberate the adequacy and compatibility findings and the frequency and type of the next IMPEP review. The MRB Chair will provide the final NRC findings with respect to the radiation control program based on input from the IMPEP review team, MRB members, and the program being reviewed. The NRC also conducts Periodic Meetings between the IMPEP reviews to remain knowledgeable of the status of Agreement State and NRC programs.

The NRC takes a graded approach to address programmatic weaknesses in Agreement State programs. Program improvement measures may include monitoring, heightened oversight, probation, or suspension. Under these processes, the NRC staff works collaboratively with the Agreement States to ensure that they have a full understanding of the issues that need to be addressed, and that appropriate corrective actions are implemented in order to progress toward reestablishing satisfactory program performance.

During Calendar Year (CY) 2021, the NRC and its Agreement State partners conducted 11 IMPEP reviews with the support of 19 Agreement State personnel. The Louisiana, Nebraska, New Hampshire, Tennessee, NRC, and Maryland IMPEP reviews were conducted remotely due to travel restrictions associated with the COVID-19 pandemic (pandemic). The Oregon, New Mexico, Vermont, Rhode Island and Nevada IMPEP reviews were conducted in person. In-person inspector accompaniments were conducted for all CY 2021 IMPEP reviews. In addition to the in-person inspector accompaniments, teams conducted remote inspector accompaniments for the NRC and Tennessee IMPEP reviews.¹

During CY 2021, the NRC conducted all eight MRB meetings remotely for the Kansas, Louisiana, Nebraska, New Hampshire, Tennessee, NRC, Maryland and Oregon IMPEP reviews, due to travel restrictions associated with the pandemic. Eight Agreement State personnel served as representatives to the eight MRB meetings conducted in CY 2021.

During the pandemic, eight IMPEP reviews were rescheduled due to travel restrictions associated with the pandemic (including the Kansas, Louisiana, Nebraska, New Hampshire, Maryland, Vermont, Rhode Island, and Mississippi IMPEP reviews). As of the date of this report, all eight IMPEP reviews have been completed.

AGREEMENT STATE PROGRAM PERFORMANCE

This section discusses the status of materials programs on heightened oversight or monitoring, and programs that were either adequate, but needs improvement, or not compatible during CY 2021. A brief summary of recent activities related to materials programs on heightened oversight or monitoring is presented in Attachment 1, "Heightened Oversight and Monitoring Status Chart."

Agreement State Programs on Heightened Oversight or Monitoring During CY 2021

During CY 2021, the Rhode Island Agreement State Program (Rhode Island) was the only Agreement State on monitoring or heightened oversight.

The Rhode Island Agreement State Program (Rhode Island) was placed on monitoring after the October 2011 IMPEP review, and remained on monitoring after the March 2016 IMPEP review. Based on the results of the 2016 IMPEP review, Rhode Island was found to be adequate to protect public health and safety, but needs improvement, and compatible with the NRC's regulatory program. Following the October 2018 Periodic Meeting, the MRB determined that while Rhode Island continued to make progress in addressing weaknesses, it had not demonstrated a period of sustained performance, and therefore should remain on monitoring.

¹ Remote inspector accompaniments allowed review teams to observe, and as appropriate, interact with, Program inspectors conducting performance-based inspection activities.

During CY 2021, the NRC continued conducting quarterly calls to monitor Rhode Island's performance. Based in the results of the 2021 IMPEP review, Rhode Island was found to be adequate to protect public health and safety, but needs improvement, and compatible with the NRC's regulatory program. The MRB found Rhode Island's performance satisfactory but needs improvement (SBNI) for the performance indicator Technical Staffing and Training, which remains unchanged from the previous IMPEP review. The MRB found Rhode Island's performance Unsatisfactory (UNSAT) for the performance indicator Technical Quality of Licensing Actions. Because of the significance of the findings, the MRB determined that the Rhode Island Agreement State Program should enter a period of Heightened Oversight². The next IMPEP review is scheduled to be conducted in CY 2023.

Agreement State Programs that were Adequate, But Needs Improvement during CY 2021

During CY 2021, the Florida and Mississippi Agreement State Programs remained with an overall program finding of either adequate to protect public health and safety, but needs improvement, or not compatible with the NRC's regulatory program.

Following its June 2019 IMPEP review, the Florida Agreement State Program (Florida) was found to be adequate to protect public health and safety, but needs improvement, and not compatible with the NRC's regulatory program. The team determined that the declining performance was mainly due to a loss of institutional knowledge and training issues. Although Florida hired staff in a timely manner, the lack of knowledge transfer affected the areas of inspections, reporting of incidents to the Nuclear Material Events Database, and the promulgation of regulations required for compatibility. As a result of the July 2020 Periodic Meeting, NRC staff determined that Florida made progress in addressing corrective actions regarding concerns identified during the 2019 IMPEP review. Staff also determined that Florida is effectively managing its licensing and inspection activities and responding to incidents and allegations, as appropriate. Florida also developed a plan to review regulations on a monthly basis and to prioritize addressing overdue regulations. A second Periodic Meeting is scheduled to be conducted in June 2022, to continue to track the Florida's progress and the next IMPEP review is scheduled to be conducted in CY 2023.

While there were no IMPEP activities for the Mississippi Agreement State Program (Mississippi) during CY 2021, the program remained adequate to protect public health and safety, but needs improvement, for reporting purposes. Following its April 2017 IMPEP review, Mississippi was found to be adequate to protect public health and safety, but needs improvement, and compatible with the NRC's regulatory program, and placed on monitoring. As a result of the April 2018 Periodic Meeting, the period of monitoring was discontinued based on Mississippi's improved performance, including enhancements to staff retention, technical quality of licensing actions, response to incidents and allegations, and the adoption of NRC regulations by reference. The Mississippi IMPEP review was conducted in person in February 2022 and the IMPEP team noted a significant decline in performance. The MRB meeting is scheduled to be conducted on May 26, 2022. Based on the MRB's determination of the adequacy and compatibility of the Mississippi Agreement State Program, additional IMPEP activities and communication to the Commission could occur in CY 2022.

² Heightened Oversight is an increased monitoring process used by the NRC to follow the progress of improvement needed in an Agreement State program. Being placed on Heightened Oversight involves preparation of a Program Improvement Plan, bimonthly conference calls, and submission of status reports prior to each call.

As discussed in the section above, Rhode Island was found to be adequate to protect public health and safety, but needs improvement, and compatible with the NRC's regulatory program following its October 2021 IMPEP review and moved from monitoring to a period of heightened oversight.

Agreement State Programs that were Not Compatible during CY 2021

During CY 2021, the Florida and New York Agreement State Programs were not compatible with the NRC regulatory program.

As noted in the section above, Florida was found to be not compatible with the NRC's regulatory program following its June 2019 IMPEP review. Florida was found to be UNSAT for the performance indicator Legislation, Regulations, and Other Program Elements. The IMPEP team determined that the declining performance was mainly due to a loss of institutional knowledge and inadequate training of new staff. Although Florida hired staff in a timely manner, the lack of knowledge transfer affected the promulgation to regulations required for compatibility. As a result of the July 2020 Periodic Meeting, NRC staff determined that Florida had developed a plan to review regulations on a monthly basis and to prioritize addressing overdue regulations. A second Periodic Meeting is scheduled to be conducted in July 2022 to continue to tracking Florida's progress. The next IMPEP review is scheduled to be conducted in CY 2023.

While there were no IMPEP activities for New York Agreement State Program (New York) during CY 2021, the program remained not compatible for reporting purposes. Based on the results of the March 2018 IMPEP review, the June 2018 MRB found New York to be adequate to protect public health and safety, but not compatible with the NRC's regulatory program. Based on New York's progress in making performance improvements in the areas of staffing and training and compatibility, the MRB also discontinued the period of monitoring. The next IMPEP review is scheduled to be conducted in July 2022.

STATUS OF THE NATIONAL MATERIALS PROGRAM

The performance of the NMP may be assessed through IMPEP findings, primarily through a review of performance indicator results and adequacy and compatibility status.

Performance Indicator Results

In CY 2021, the NRC and its Agreement State partners conducted 11 IMPEP reviews, evaluating a total of 72 performance indicators. During CY 2021, 68 of the performance indicators reviewed were found to be satisfactory, 3 performance indicators were found to be SBNI, and 1 performance indicator was found to be UNSAT.

During the last 5 years, the NRC and its Agreement State partners have conducted 42 IMPEP reviews, evaluating 281 performance indicators. Based on the most recent IMPEP review results for each of the Agreement States and NRC programs that constitute the NMP, 262 performance indicators evaluated were found to be satisfactory, 16 performance indicators were found to be SBNI. Only three of the performance indicators were found to be UNSAT.

Attachment 2 provides a summary of the most recent IMPEP findings and associated adequacy and compatibility results for the NMP. As shown in this attachment, the most challenged performance indicator is the non-common performance indicator Legislation, Regulations, and

Other Program Elements. This performance indicator assesses whether Agreement State programs create conflicts, duplications, gaps, or other conditions that jeopardize an orderly pattern in the regulation of radioactive materials under the AEA. The number of programs with a SBNI rating, for this performance indicator declined from six programs in CY 2020 to four programs in CY 2021. The number of programs with an UNSAT rating for this performance indicator remained the same.

Adequacy and Compatibility Status in the National Materials Program

Over the last 5 years, 93 percent of the NMP were adequate to protect public health and safety (36 Agreement State programs and the NRC program³). Regarding compatibility, 95 percent of Agreement State programs were compatible with the NRC’s regulatory program. Table 1, on the following page, provides a summary of the adequacy and compatibility results for the Agreement States and NRC program over the last 5 years. The IMPEP results continue to provide evidence that the NMP provides for reasonable assurance of adequate protection of public health and safety.

Table 1. Adequacy and Compatibility Results CY 2017 – CY 2021					
	2017	2018	2019	2020	2021
National Materials Programs (Number of NRC and Agreement State Programs)	41	42	43	43	40
Agreement State Programs	37	38	39	39	39
Adequate to Protect Public Health and Safety	36	38	39	40	37
Adequate to Protect Public Health and Safety, But Needs Improvement	5	4	4	3	3
Not Adequate to Protect Public Health and Safety	0	0	0	0	0
Compatible with the NRC’s Regulatory Program	34	36	36	37	37
Not Compatible with the NRC’s Regulatory Program	3	2	3	2	2

CONCLUSION

The NMP continues to provide reasonable assurance of adequate protection of public health and safety. The IMPEP continues to be an effective tool to verify that NRC and Agreement State programs are evaluated in consistent and integrated manner, that public health and safety is being adequately maintained, and that Agreement State programs are compatible with the NRC’s regulatory program. The NRC and its regulatory partners continue to effectively implement the program in a flexible, resilient, and innovative manner to accomplish our mission,

³ In January 2020, the NRC made the decision to evaluate the NRC materials programs as a single entity under the IMPEP (rather than reviewing the NRC regions and Headquarters individually), which began June 2021.

despite challenges presented by the ongoing pandemic. The Agreement States continue to play a valuable role with respect to ensuring consistent implementation of the NMP in protecting the public health and safety with respect to the safe and secure use of radioactive materials.

Attachments:

1. Heightened Oversight and Monitoring Status Chart
2. Summary of National Materials Programs' Performance Indicator Findings and Adequacy and Compatibility

HEIGHTENED OVERSIGHT AND MONITORING STATUS CHART

(As of April 13, 2022)

STATE	LAST IMPEP REVIEW	LAST CONTACT	NEXT CONTACT	ACTION(S) DUE
HEIGHTENED OVERSIGHT				
Rhode Island	Oct. 19-22, 2021	Bimonthly Heightened Oversight Call March 2022	Bimonthly Heightened Oversight Call May 2022	Periodic Meeting October 2022 CY 2023 IMPEP October 2023
MONITORING				
None				

**Summary of National Materials Programs' Performance Indicators
Findings and Adequacy and Compatibility
(As of April 13, 2022)**

AGREEMENT STATE/NRC MATERIALS PROGRAM	CALENDAR YEAR OF LAST FULL IMPEP REVIEW CONDUCTED	COMMON PERFORMANCE INDICATORS					NON-COMMON PERFORMANCE INDICATORS				OVERALL PROGRAM RATING		NEXT IMPEP REVIEW
		Technical Staffing and Training	Status of Material Inspection Program	Technical Quality of Inspections	Technical Quality of Licensing Actions	Technical Quality of Incident and Allegation Activities	Legislation, Regulations, and Other Program Elements	Sealed Source and Device Evaluation Program	Uranium Recovery Program	Low-Level Waste Disposal Program	ADEQUACY	COMPATIBILITY	
Alabama	2019	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate ¹	Compatible ²	2023
Arizona	2019	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2024
Arkansas	2017	SAT	SAT	SAT	SBNI ^{3,4}	SAT	SAT	-	-	-	Adequate	Compatible	2022 ⁵
California	2019	SAT	SAT	SAT	SAT	SAT	SAT	SAT	-	-	Adequate	Compatible	2024
Colorado	2018	SAT	SAT	SAT	SAT	SAT	SAT	SAT	SAT	-	Adequate	Compatible	2022 ⁶
Florida	2019	SAT	SAT	SBNI	SAT	SAT	UNSAT ⁷	SAT	-	-	ABNI ⁸	Not Compatible ⁹	2023
Georgia	2020	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2024
Illinois	2018	SAT	SAT	SAT	SAT	SAT	SAT	SAT	SAT	-	Adequate	Compatible	2023
Iowa	2018	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2022 ¹⁰
Kansas	2021	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2025
Kentucky	2020	SAT	SAT	SAT	SAT	SAT	SBNI	SAT	-	SAT	Adequate	Compatible	2024
Louisiana	2021	SAT	SAT	SAT	SAT	SAT	SAT	SAT	-	-	Adequate	Compatible	2025
Maine	2019	SAT	SAT	SAT	SAT	SAT	SBNI	SAT	-	-	Adequate	Compatible	2023
Maryland	2021	SAT	SAT	SAT	SBNI	SAT	SAT	SAT	-	-	Adequate	Compatible	2022 ¹¹
Massachusetts	2018	SAT	SAT	SAT	SAT	SAT	SAT	SAT	-	-	Adequate	Compatible	2022 ¹²
Minnesota	2021	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2025
Mississippi	2017	SAT	SAT	SAT	SBNI	SBNI	SBNI	-	-	-	ABNI	Compatible	2022 ¹³
Nebraska	2021	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2025

¹ Adequate to protect public health and safety (Adequate).

² Compatible with NRC's regulatory program (Compatible).

³ Satisfactory, but needs improvement (SBNI).

⁴ Indicator changed as a result of the 2019 Follow-Up IMPEP.

⁵ The Arkansas IMPEP review was conducted on January 24-28, 2022, and the MRB is scheduled to be conducted on April 28, 2022.

⁶ The Colorado IMPEP review is scheduled to be conducted May 2-6, 2022, and the MRB is scheduled to be conducted August 9, 2022.

⁷ Unsatisfactory (UNSAT).

⁸ Adequate to protect public health and safety but needs improvement (ABNI).

⁹ Not compatible with NRC's regulatory program (Not Compatible).

¹⁰ The Iowa IMPEP review is scheduled to be conducted on June 27-July 1, 2022, and the MRB is scheduled to be conducted October 6, 2022.

¹¹ The Maryland follow-up IMPEP review is scheduled to be conducted in August, 2022.

¹² The Massachusetts IMPEP review is scheduled to be conducted in November 2022.

¹³ The Mississippi IMPEP review was conducted on February 7-11, 2022, and the MRB is scheduled to be conducted on May 26, 2022.

**Summary of National Materials Programs' Performance Indicators
Findings and Adequacy and Compatibility
(As of April 13, 2022)**

AGREEMENT STATE/NRC MATERIALS PROGRAM	CALENDAR YEAR OF LAST FULL IMPEP REVIEW CONDUCTED	COMMON PERFORMANCE INDICATORS					NON-COMMON PERFORMANCE INDICATORS				OVERALL PROGRAM RATING		NEXT IMPEP REVIEW
		Technical Staffing and Training	Status of Material Inspection Program	Technical Quality of Inspections	Technical Quality of Licensing Actions	Technical Quality of Incident and Allegation Activities	Legislation, Regulations, and Other Program Elements	Sealed Source and Device Evaluation Program	Uranium Recovery Program	Low-Level Waste Disposal Program	ADEQUACY	COMPATIBILITY	
Nevada	2021	SAT	SAT	SAT	SAT	SAT	SAT	-	-	SAT	Adequate	Compatible	2026
New Hampshire	2021	SAT	SAT	SAT	SAT	SAT	SAT	SAT			Adequate	Compatible	2026
New Jersey	2019	SAT	SAT	SAT	SAT	SAT	SAT	-			Adequate	Compatible	2024
New Mexico	2021	SAT	SAT	SAT	SBNI	SAT	SAT	-	-	-	Adequate	Compatible	2025
New York	2018	SBNI	SAT	SAT	SAT	SAT	UNSAT	SAT	-	SAT	Adequate	Not Compatible	2022 ¹⁴
North Carolina	2018	SAT	SAT	SAT	SAT	SAT	SAT	SBNI	-	-	Adequate	Compatible	2022 ¹⁵
North Dakota	2019	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2024
Ohio	2019	SAT	SAT	SAT	SAT	SAT	SAT	SAT	-	-	Adequate	Compatible	2024
Oklahoma	2018	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2023
Oregon	2021	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2026
Pennsylvania	2019	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2024
Rhode Island	2021	SBNI	UNSAT	SAT	SAT	SAT	SAT	-	-	-	ABNI	Compatible	2023
South Carolina	2017	SAT	SAT	SAT	SAT	SAT	SAT	SAT	-	SAT	Adequate	Compatible	2022 ¹⁶
Tennessee	2021	SAT	SAT	SAT	SAT	SAT	SAT	SAT	-	-	Adequate	Compatible	2026
Texas	2018	SAT	SAT	SAT	SBNI	SAT	SAT	SAT	SBNI	SAT	Adequate	Compatible	2022 ¹⁷
Utah	2019	SAT	SAT	SAT	SAT	SAT	SAT	-	SAT	SAT	Adequate	Compatible	2023
Vermont	2021	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2025
Virginia	2020	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2024
Washington	2018	SAT	SAT	SAT	SBNI	SAT	SBNI	SAT	SAT	SAT	Adequate	Compatible	2022 ¹⁸
Wisconsin	2019	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2024
Wyoming	2020	SAT	SAT	SAT	SAT	SAT	SAT	-	-	-	Adequate	Compatible	2024
NRC	2021	SAT	SAT	SAT	SAT	SAT	NA	SAT	SAT	-	Adequate	NA	2026 ¹⁹

¹⁴ The New York IMPEP review is scheduled to be conducted on July 18-29,2022, and the MRB is scheduled to be conducted in November 2022.

¹⁵ The North Carolina IMPEP review is scheduled to be conducted May 2-6, 2022, and the MRB is scheduled to be conducted August 11, 2022.

¹⁶ The South Carolina IMPEP review is scheduled to be conducted in October 2022.

¹⁷ The Texas IMPEP review was conducted on February 28- March 4, 2022, and the MRB is scheduled to be conducted on June 9, 2022.

¹⁸ The Washington IMPEP review was conducted on March 28-April 1, 2022, and the MRB is scheduled to be conducted on July 14, 2022.

¹⁹ NRC's most recent IMPEP review conducted on June 7-11, 2021, consolidated all headquarter and regional materials programs into a single integrated review. The consolidate NRC IMPEP report may be found at the following ADAMS Accession No. [ML21260A075](#).

**NRC and Agreement State Radioactive Materials Programs' Findings for
Performance Indicators and Adequacy and Compatibility**

(As of April XX, 2022)