

Note to: Those on Attached Routing Slip

From: Torre Taylor
FSME/MSSA

Date: March 24, 2009

SUBJECT: SECY Paper for New Jersey Agreement Application – request for approval to publish for public comment

New Jersey submitted a formal request for an Agreement by letter dated October 16, 2009, with an effective date no later than September 30, 2009, if at all possible.

The team for reviewing the application has completed its review and all comments have been resolved. The team is now ready to forward the SECY paper for office concurrence, and then to the Commission for approval to publish the Agreement request for public comment.

Attached is a SECY paper for review and concurrence by your respective organizations. We are requesting your comments/concurrence by **April 3, 2009**, in order to stay within schedule, if at all possible, but no later than **April 6, 2009**.

If you have any questions, please contact me at 301-415-7900, or Dennis Sollenberger at 301-415-2819.

N/23

ROUTING AND TRANSMITTAL SLIP
OFFICE OF FEDERAL AND STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS

NAME	INITIALS	DATE
TTaylor	TT	3/20/09
DSollenberger	DMS	3/24/09
DWhite		3/24/09
T. Reis		3/24/09
RLewis		
BJones		
SCollins		
RZimmerman		
JDyer		
CPoland		
CMiller		
R.W. Borchardt		

WITS/EDATS/FSME TICKET NO(s): WITS200800432/EDATS SECY-2008-0647/FSME200900158

DUE TO DIVISION:

DUE TO FSME:

DUE TO EDO:

MEMORANDUM/LETTER TO: The Commissioners

FROM: R. W. Borchardt
Executive Director
for Operations

SUBJECT: New Jersey Agreement Application

REMARKS:

ADAMS: ML090820432

Reminders (check if included):

- ADAMS Form 665 **must** be attached to all packages if the document(s) are placed in ADAMS and are being provided to the FSME Front Office for concurrence and/or signature.
- FSME Front Office Group **must** be given "owner" rights to the document(s) in ADAMS that are being provided to the FSME Front Office for concurrence and/or signature.
- Form 6 **must** be attached to the package if it is a Commission paper.
- EDO Quality Control Checklist is attached and filled out completely.

ORIGINATOR: TTaylor PHONE: 301-415-7900
SECRETARY: Cynthia Tyler PHONE: 301-415-3340

FOR: The Commissioners

FROM: R. W. Borchardt
Executive Director for Operations

SUBJECT: PROPOSED AGREEMENT BETWEEN THE STATE OF NEW JERSEY
AND THE COMMISSION PURSUANT TO SECTION 274 OF THE
ATOMIC ENERGY ACT OF 1954, AS AMENDED

PURPOSE:

To request Commission approval to publish the proposed Agreement with the State of New Jersey (State or New Jersey) and a summary of the draft U.S. Nuclear Regulatory Commission (NRC) staff assessment of the State's regulatory program in the *Federal Register* (FR) for public comment.

BACKGROUND:

Section 274b of the Atomic Energy Act of 1954, as amended (Act) authorizes the Commission to enter into an Agreement with the Governor of a State providing for the discontinuance of the regulatory authority of the Commission with respect to certain materials. In 1981, the Commission adopted the revised policy statement entitled, "Criteria for Guidance of States and Nuclear Regulatory Commission (NRC) in Discontinuance of NRC Regulatory Authority and Assumption Thereof by States Through Agreement" (46 FR 7540; January 23, 1981), as amended by statements published on July 16, 1981 (46 FR 36969), and on July 21, 1983 (48 FR 33376), referred to hereafter as the "policy statement." The Office of Federal and State Materials and Environmental Management Programs Procedure SA-700, "Processing an Agreement," was subsequently adopted for applying the policy statement to the processing of a new Agreement. The criteria and approaches in these documents form the basis for the staff's evaluation of the State's request.

CONTACT: Torre Taylor, FSME/MSSA/ASPB
301-415-7900

DISCUSSION:

By letter dated October 16, 2008, Governor Jon S. Corzine requested that the Commission enter into an Agreement with the State under Section 274b of the Act. The Governor requested that the Commission discontinue its regulatory authority for 11e.(1); 11e.(3); and 11e.(4) byproduct materials, source materials, special nuclear materials in quantities not sufficient to form a critical mass; and land disposal of byproduct, source, or special nuclear waste materials received from other persons, and to allow New Jersey to assume regulatory authority for such material under the Agreement.

Governor Corzine certified that the State has a program for the control of radiation hazards that is adequate to protect public health and safety within the State with respect to the materials covered by the proposed Agreement. The Governor further certified that the State wishes to assume the regulatory responsibility for those materials. Copies of Governor Corzine's letter and Chairman Klein's response are enclosed (Enclosures 1 and 2, respectively).

The State proposed an effective date of the Agreement of no later than September 30, 2009. Following the public comment period and the resolution of public comments, the NRC staff will be in a better position to make a recommendation regarding the proposed Agreement. The NRC staff will include an updated schedule (including a revised effective date for the Agreement, if appropriate), along with an analysis of the public comments, as part of the final paper to the Commission recommending approval of the New Jersey Agreement request.

As required by Section 274e of the Act, the NRC staff will publish the proposed Agreement for comment in the FR once each week for four consecutive weeks. The FR Notice (Enclosure 3) will include a summary of the staff's draft assessment (Enclosure 4) of the proposed New Jersey regulatory program for regulation of 11e.(1); 11e.(3); and 11e.(4) byproduct materials, source materials, special nuclear materials in quantities not sufficient to form a critical mass; and land disposal of byproduct, source, or special nuclear waste materials received from other persons, in addition to the text of the proposed Agreement. The staff plans to follow the same process for New Jersey as it did for recently approved Agreements, such as Virginia and Pennsylvania. For those Agreements, the NRC staff published the proposed Agreements in the FR for public comment, in parallel with the Commission's review of the staff's draft assessment. Once approved by the Commission, the final Agreement will be published in the FR within 30 days after signature by the Chairman and the Governor.

The NRC staff's draft assessment of the State's program covered seven subjects: objectives, radiation protection standards, prior evaluation of uses of radioactive material, inspection, enforcement, personnel, and administration. The NRC staff has concluded that the State, as defined by these subjects, is compatible with the program of the NRC and adequate to protect public health and safety with respect to the materials covered by the proposed Agreement.

If the proposed Agreement is approved, it is estimated that there will be approximately 700 New Jersey specific licenses in total. NRC would transfer approximately 500 specific licenses to the State's jurisdiction. In addition, the State would retain regulatory authority for approximately 500 NARM licenses. About 300 of these NARM licenses also have a specific license with NRC; these licenses will be merged upon approval of the final Agreement.

Waiver Termination for NARM Materials

The Energy Policy Act of 2005 (EPAct) expanded the Commission's regulatory authority over byproduct materials as defined in Sections 11e.(3) and 11e.(4) of the Act, to include certain naturally-occurring and accelerator-produced radioactive materials (NARM). Section 651(e) of the EPAct authorized the NRC to issue a time-limited waiver to allow continued use and possession of NARM while the Commission developed a regulatory framework for the regulation of this byproduct material. A waiver was issued on August 31, 2005 (70 FR 51581) and is effective through August 7, 2009. A plan to facilitate an orderly transition of regulatory authority with respect to the NARM material defined in Sections 11e.(3) and 11e.(4) was noticed in the *Federal Register* on October 19, 2007 (72 FR 59158).

New Jersey has been regulating the uses of NARM prior to the EPAct, and continues to do so under the time-limited waiver. The State has proposed an effective date for the Agreement of no later than September 30, 2009. If the proposed Agreement is approved before August 7, 2009, the Commission would terminate the time-limited waiver in the State coincident with the effective date of the Agreement. However, if the Agreement is not approved prior to this date, NRC would have jurisdictional authority over all uses of byproduct material within the State. These licensees would have to meet NRC regulatory requirements and would have: (a) 6 months to apply for any necessary amendments to an NRC license they already possess, or (b) 12 months to apply for a new NRC license, if needed.

With the effective date of the New Jersey Agreement having the potential to occur after the expiration of the time-limited waiver, staff is working with other offices and New Jersey to ensure an efficient transition of NARM licensees in the State within the legal requirements. The staff's objective is to minimize the impact to NARM licensees in New Jersey during the transition to NRC and then back to New Jersey's regulatory authority, within a short time frame (i.e., about seven weeks).

Resolution of Apparent Differences in the Standard Agreement

In Staff Requirements Memorandum, SECY-08-0154, "Proposed Agreement Between the Commonwealth of Virginia and the Commission Pursuant to Section 274 of the Atomic Energy Act of 1954, as Amended," dated November 5, 2008, the Commission directed the staff to include, as part of the New Jersey Agreement evaluation, its evaluation and recommendations for resolution of the apparent differences of the standard Agreement between a State and the NRC providing for discontinuance of the NRC's regulatory program in relation to Section 274c of the Atomic Energy Act and 10 CFR 150.15(a)(6).

The staff evaluated this issue and determined that the Agreement should include only those areas of authority for which the Commission shall retain authority and responsibility, as specified in Section 274c. of the Act. Articles II and IV of the standard Agreement are the provisions for this Section of the Act and Section 150.15(a)(6) is the regulation that implements it. This paragraph specifically states that persons in Agreement States are not exempt from the Commission's licensing and regulatory requirements with respect to "the transfer of possession or control by the manufacturer, processor, or producer of any equipment, device, commodity, or other product containing source material or byproduct material whose subsequent possession, use, transfer, and disposal by all other persons are exempted from licensing and regulatory requirements of the Commission under parts 30 and 40 of this chapter."

In the future, the Commission could choose to further regulate the distribution of products containing source, byproduct, or special nuclear materials in Agreement States beyond that currently in Section 150.15(a)(6). Article IV correctly notes that the Commission retains the option to issue further requirements regarding these products.

The staff has concluded that the standard Agreement is consistent with Section 274c and Section 150(a)(6). Therefore, no changes are necessary in the existing standard Agreement.

RESOURCES:

The State has requested a proposed effective date for the Agreement of no later than September 30, 2009. NRC Region I has adequate resources budgeted within the Materials Users subprogram (Materials Licensing and Materials Inspection planned activities) to perform materials licensing, inspection, decommissioning, enforcement, allegation casework and transition activities related to the State during Fiscal Year 2009. The FY 2010 budget does not include resources for these activities in New Jersey.

CONCLUSION:

The NRC staff concludes that, based on the draft assessment, the State satisfies the criteria in the Commission's policy statement, and; therefore, would meet the requirements of Section 274 of the Act. The proposed State program to regulate Agreement materials, as comprised of statutes, regulations, and procedures, is compatible with the program of the Commission and is adequate to protect public health and safety with respect to the materials covered by the proposed Agreement.

COMMITMENTS:

Listed below are the actions or activities committed to by the staff in this paper.

1. The staff will provide an updated schedule and an analysis of public comments along with the final paper to the Commission, providing a recommendation on the proposed Agreement.

RECOMMENDATIONS:

That the Commission:

1. Approve:

Publication of the FR Notice once each week for four consecutive weeks, as required by the Act.

2. Review:

The proposed Agreement between the State and the NRC pursuant to Section 274 of the Act, and the NRC staff draft assessment of the State regulatory program, in parallel with the publication of the proposed Agreement in the FR.

3. Note:

- a. The staff will place a copy of the NRC Staff Draft Assessment (summarized in the FR Notice) in the NRC's Public Electronic Reading Room on the Internet at <http://www.nrc.gov/NRC/ADAMS/index.html>, and into the Agency wide Documents Access and Management System.
- b. The Office of Congressional Affairs will dispatch a letter to the knowledgeable Congressional Committees informing them that the Commission is considering entering into an Agreement with the State.
- c. The Office of Public Affairs will issue a press release.
- d. FSME will dispatch a letter to the Federal Agencies listed in FSME Procedure SA-700 and all of the States.
- e. The staff will continue working with other offices to ensure an efficient transition of NARM licensees in New Jersey within the legal requirements.

COORDINATION:

This paper has been coordinated with the Office of the General Counsel, which has no legal objection. The Office of the Chief Financial Officer has reviewed this Commission paper for resource implications and has no objection.

R. W. Borchardt
Executive Director
for Operations

Enclosures:

1. Letter from Governor Corzine to Chairman Klein dated October 16, 2008
2. Acknowledgment Letter from Chairman Klein to Governor Corzine dated March 19, 2009
3. Draft *Federal Register* Notice, including the Summary of the Draft Staff Assessment and the Proposed Agreement
4. Draft NRC Staff Assessment of the Proposed New Jersey Radioactive Materials Program

3. Note:

- a. The staff will place a copy of the NRC Staff Draft Assessment (summarized in the FR Notice) in the NRC's Public Electronic Reading Room on the Internet at <http://www.nrc.gov/NRC/ADAMS/index.html>, and into the Agency wide Documents Access and Management System.
- b. The Office of Congressional Affairs will dispatch a letter to the knowledgeable Congressional Committees informing them that the Commission is considering entering into an Agreement with the State.
- c. The Office of Public Affairs will issue a press release.
- d. FSME will dispatch a letter to the Federal Agencies listed in FSME Procedure SA-700 and all of the States.
- e. The staff will continue working with other offices to ensure an efficient transition of NARM licensees in New Jersey within the legal requirements.

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This paper has been coordinated with the Office of the General Counsel, which has no legal objection. The Office of the Chief Financial Officer has reviewed this Commission paper for resource implications and has no objection.

R. W. Borchardt
Executive Director
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WITS200800432/EDATS SECY-2008-0647/FSME200900158

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OFC	MSSA:ASPB	MSSA:ASPB	MSSA	MSSA	OGC	RI
NAME	TTaylor cat3	DWhite	TReis	RLewis	BJones	SCollins
DATE	3/20/09	3/24/09	3/24/09			
OFC	NSIR	CFO	TECH ED	FSME	EDO	
NAME	RZimmerman	JDyer	CPoland	CMiller	RWBorchardt	
DATE						

OFFICIAL RECORD COPY



State of New Jersey

OFFICE OF THE GOVERNOR

PO Box 001

TRENTON NJ 08625-0001

JON S. CORZINE
Governor

October 16, 2008

Dale E. Klein, Chairman
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20853-2738

Dear Chairman Klein:

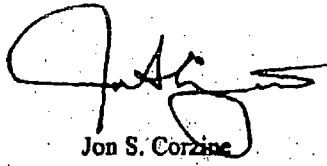
Please accept this formal request to establish an Agreement between the United States Nuclear Regulatory Commission (NRC) and the State of New Jersey, as authorized under Section 274b of the Atomic Energy Act of 1954 (as amended), and under Section 9.1 of the New Jersey Radiation Protection Act (N.J.S.A. 26:2D).

Under this Agreement, the NRC will discontinue certain regulatory authority for radioactive materials now under federal jurisdiction and that authority will be assumed by the State of New Jersey. The New Jersey Department of Environmental Protection is the agency responsible for implementation of the agreement. Specific authority requested is described in the proposed agreement in the enclosed documents.

I certify that the State of New Jersey wishes to assume regulatory authority and oversight responsibility for such materials, and that the State of New Jersey has an adequate program for the control of radiation hazards covered by this proposed agreement. The enclosed volumes of the formal application contain copies of the radiation protection laws and rules and describe New Jersey's radiation control program as well as its regulatory capabilities.

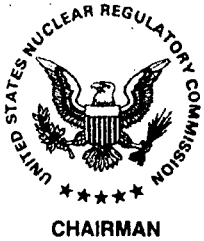
New Jersey appreciates the efforts of NRC staff in cooperating to help New Jersey prepare for this important responsibility. It is important to us to complete this process as soon as possible. We would prefer to reach Agreement Status in the summer of 2009. In any case, we would appreciate your efforts in helping us complete this process no later than September 30, 2009.

Sincerely,

A handwritten signature in black ink, appearing to read 'Jon S. Corzine', with a stylized flourish at the end.

Jon S. Corzine

Governor



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

March 19, 2009

The Honorable Jon S. Corzine
Governor of New Jersey
Trenton, New Jersey 08625

Dear Governor Corzine:

On behalf of the U.S. Nuclear Regulatory Commission (NRC), I am responding to your letter of October 16, 2008, in which you request an agreement between the NRC and the State of New Jersey pursuant to Section 274b of the Atomic Energy Act of 1954, as amended (Act). If approved by the Commission, New Jersey would assume regulatory authority over the acquisition, possession, use, transfer, and disposal of source material, byproduct material as defined in Section 11e.(1) of the Act, byproduct material as defined in Section 11e.(3) of the Act, byproduct material as defined in Section 11e.(4) of the Act, and special nuclear material in quantities not sufficient to form a critical mass.

As required by the Act, the NRC staff is conducting an assessment of the compatibility of the New Jersey program with the NRC's program and the adequacy of New Jersey's program to protect public health and safety with respect to the materials covered by the proposed agreement. Once approved by the Commission, the NRC will publish the proposed agreement and a summary of the assessment in the *Federal Register* for public comment. The Act requires that the proposed agreement be published once each week for four consecutive weeks. A press release concerning your request will also be issued at that time. After the expiration of the comment period, the Commission will consider any comments received and make a final decision on your request. We will promptly inform you of our decision. As the review of your request and the public comment process near completion, the NRC staff will coordinate the schedule for the effective date of the future agreement with the New Jersey staff.

I want to assure you that the NRC staff is working diligently to complete its review in an expeditious manner. The Commission is pleased with your continued interest in becoming an Agreement State and looks forward to continuing the excellent relationship we have enjoyed in the past.

Sincerely,

Dale E. Klein

NUCLEAR REGULATORY COMMISSION

State of New Jersey: NRC Staff Assessment of a Proposed Agreement
Between the Nuclear Regulatory Commission and the State of New Jersey

AGENCY: Nuclear Regulatory Commission.

ACTION: Notice of a proposed Agreement with the State of New Jersey.

SUMMARY: By letter dated October 16, 2008, Governor Jon S. Corzine of New Jersey requested that the U. S. Nuclear Regulatory Commission (NRC or Commission) enter into an Agreement with the State of New Jersey (State or New Jersey) as authorized by Section 274 of the Atomic Energy Act of 1954, as amended (Act).

Under the proposed Agreement, the Commission would relinquish, and the State would assume, portions of the Commission's regulatory authority exercised within the State. As required by the Act, the NRC is publishing the proposed Agreement for public comment. The NRC is also publishing the summary of an assessment by the NRC staff of the State's regulatory program. Comments are requested on the proposed Agreement, especially its effect on public health and safety. Comments are also requested on the NRC staff assessment, the adequacy of the State's program, and the State's program staff, as discussed in this notice.

The proposed Agreement would exempt persons who possess or use certain radioactive materials in the State from portions of the Commission's regulatory authority. The Act requires that the NRC publish those exemptions. Notice is hereby given that the pertinent exemptions have been previously published in the Federal Register and are codified in the Commission's regulations as 10 CFR Part 150.

DATES: The comment period ends (30 days after date of FIRST publication). Comments

received after this date will be considered if it is practical to do so, but the Commission cannot assure consideration of comments received after the comment period ends.

ADDRESSES: Written comments may be submitted to Mr. Michael T. Lesar, Chief, Rulemaking, Directives and Editing Branch, Division of Administrative Services, Office of Administration, Washington, DC 20555-0001. Comments may be submitted electronically at nrcprep.resource@nrc.gov.

The NRC maintains an Agencywide Documents Access and Management System (ADAMS), which provides text and image files of NRC's public documents. The documents may be accessed through the NRC's Public Electronic Reading Room on the Internet at <http://www.nrc.gov/reading-rm/adams.html>. If you do not have access to ADAMS or if there are problems in accessing the documents located in ADAMS, contact the NRC Public Document Room (PDR) reference staff at (800) 397-4209, or (301) 415-4737, or by e-mail to pdr.resource@nrc.gov.

Copies of comments received by NRC may be examined at the NRC Public Document Room, 11555 Rockville Pike, Public File Area O-1-F21, Rockville, Maryland. Copies of the request for an Agreement by the Governor of New Jersey including all information and documentation submitted in support of the request, and copies of the full text of the NRC Draft Staff Assessment are also available for public inspection in the NRC's Public Document Room-ADAMS Accession Numbers: ML090510713; ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, ML090770116.

FOR FURTHER INFORMATION CONTACT: Torre Taylor, Office of Federal and State Materials and Environmental Management Programs, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001. Telephone (301) 415-7900 or e-mail to torre.taylor@nrc.gov.

SUPPLEMENTARY INFORMATION: Since Section 274 of the Act was added in 1959, the Commission has entered into Agreements with 36 States. The Agreement States currently regulate approximately 19,000 Agreement material licenses, while the NRC regulates approximately 3,400 licenses. Under the proposed Agreement, approximately 500 NRC licenses will transfer to the State. The NRC periodically reviews the performance of the Agreement States to assure compliance with the provisions of Section 274.

Section 274e requires that the terms of the proposed Agreement be published in the *Federal Register* for public comment once each week for four consecutive weeks. This notice is being published in fulfillment of the requirement.

I. Background

(a) Section 274b of the Act provides the mechanism for a State to assume regulatory authority from the NRC over certain radioactive materials and activities that involve use of the materials. The radioactive materials, sometimes referred to as "Agreement materials," are: (a) byproduct materials as defined in Section 11e.(1) of the Act; (b) byproduct materials as defined in Section 11e.(2); (c) byproduct materials as defined in Section 11e.(3) of the Act; (d) byproduct materials as defined in Section 11e.(4) of the Act; (e) source materials as defined in Section 11z. of the Act; and (f) special nuclear materials as defined in Section 11aa. of the Act, restricted to quantities not sufficient to form a critical mass.

In a letter dated October 16, 2008, Governor Corzine certified that the State of New Jersey has a program for the control of radiation hazards that is adequate to protect public health and safety within New Jersey for the materials and activities specified in the proposed Agreement, and that the State desires to assume regulatory responsibility for these materials and activities. Included with the letter was the text of the proposed Agreement, which is shown

in Appendix A to this notice.

The radioactive materials and activities (which together are usually referred to as the "categories of materials") that the State requests authority over are:

- (1) The possession and use of byproduct materials as defined in section 11e.(1) of the Act;
 - (2) The possession and use of byproduct materials as defined in section 11e.(3) of the Act;
 - (3) The possession and use of byproduct materials as defined in section 11e.(4) of the Act;
 - (4) The possession and use of source materials;
 - (5) The possession and use of special nuclear materials in quantities not sufficient to form a critical mass; and
 - (6) The regulation of the land disposal of byproduct, source, or special nuclear waste materials received from other persons.
- (b) The proposed Agreement contains articles that:
- i) Specify the materials and activities over which authority is transferred;
 - ii) Specify the activities over which the Commission will retain regulatory authority;
 - iii) Continue the authority of the Commission to safeguard nuclear materials and restricted data;
 - iv) Commit the State and NRC to exchange information as necessary to maintain coordinated and compatible programs;
 - v) Provide for the reciprocal recognition of licenses;
 - vi) Provide for the suspension or termination of the Agreement; and
 - vii) Specify the effective date of the proposed Agreement.

The Commission reserves the option to modify the terms of the proposed Agreement in

response to comments, to correct errors, and to make editorial changes. The final text of the Agreement, with the effective date, will be published after the Agreement is approved by the Commission and signed by the NRC Chairman and the Governor of New Jersey.

(c) The regulatory program is authorized by law under the New Jersey Statute N.J.S.A. 26:2D-1, the Radiation Protection Act, which provides the Governor with the authority to enter into an Agreement with the Commission. New Jersey law contains provisions for the orderly transfer of regulatory authority over affected licensees from the NRC to the State. After the effective date of the Agreement, licenses issued by NRC would continue in effect as State licenses until the licenses expire or are replaced by State issued licenses.

The State currently regulates the users of naturally-occurring and accelerator-produced radioactive materials. The Energy Policy Act of 2005 (EPAAct) expanded the Commission's regulatory authority over byproduct materials as defined in Sections 11e.(3) and 11e.(4) of the Act, to include certain naturally-occurring and accelerator-produced radioactive materials. On August 31, 2005, the Commission issued a time-limited waiver (70 FR 51581) of the EPAAct requirements, and is effective through August 7, 2009. A plan to facilitate an orderly transition of regulatory authority with respect to the NARM material defined in Sections 11e.(3) and 11e.(4) was noticed in the *Federal Register* on October 19, 2007 (72 FR 59158). Under the proposed Agreement, the State would assume regulatory authority for these radioactive materials. The State has proposed an effective date for the Agreement of no later than September 30, 2009. If the proposed Agreement is approved before August 7, 2009, the Commission would terminate the time-limited waiver in the State coincident with the effective date of the Agreement. However, if the Agreement is not approved prior to this date, NRC would have jurisdictional authority over all uses of byproduct material within the State. These licensees would have to meet NRC regulatory requirements and would have 6 months to apply for any necessary amendments to an NRC license they already possess, or 12 months to apply

for a new NRC license, if needed.

With the effective date of the New Jersey Agreement having the potential to occur after the expiration of the time-limited waiver, staff is working to ensure an efficient transition of NARM licensees in New Jersey within the legal requirements. The staff's objective is to minimize the impact to NARM licensees in New Jersey during the transition to NRC and then back to New Jersey's regulatory authority, within a short time frame (i.e., about seven weeks).

(d) The NRC draft staff assessment finds that the New Jersey Department of Environmental Protection (NJDEP), Bureau of Environmental Radiation (BER), is adequate to protect public health and safety and is compatible with the NRC program for the regulation of Agreement materials.

II. Summary of the NRC Staff Assessment of the State's Program for the Control of Agreement Materials

The NRC staff has examined the State's request for an Agreement with respect to the ability of the radiation control program to regulate Agreement materials. The examination was based on the Commission's policy statement "Criteria for Guidance of States and NRC in Discontinuance of NRC Regulatory Authority and Assumption Thereof by States Through Agreement," (46 FR 7540; January 23, 1981, as amended by Policy Statements published at 46 FR 36969; July 16, 1981 and at 48 FR 33376; July 21, 1983), and the Office of Federal and State Materials and Environmental Management Programs (FSME) Procedure SA-700, "Processing an Agreement."

(a) Organization and Personnel. The Agreement materials program will be located within the existing BER of the NJDEP. The BER will be responsible for all regulatory activities related to the proposed Agreement.

The educational requirements for the BER staff members are specified in the State's

personnel position descriptions, and meet the NRC criteria with respect to formal education or combined education and experience requirements. All current staff members hold a bachelor of science degree in physical or life sciences, with many staff holding a master of science degree in radiation science. All have had training and work experience in radiation protection. Supervisory level staff has at least 5 years of working experience in radiation protection, with most having greater than 10 years of experience.

The State performed an analysis of the expected workload under the proposed Agreement. Based on the NRC staff review of the State's staff analysis, the State has an adequate number of staff to regulate radioactive materials under the terms of the Agreement. The State will employ a staff with the equivalent of 13.25 full-time professional/technical and administrative employees for the Agreement materials program.

The State has indicated that the BER has an adequate number of trained and qualified staff in place. The State has developed qualification procedures for license reviewers and inspectors which are similar to the NRC's procedures. The technical staff are working with NRC license reviewers in the NRC Region I Office and accompanying NRC staff on inspections of NRC licensees in New Jersey. BER staff is also actively supplementing their experience through direct meetings, discussions, and facility visits with NRC licensees in the State, and through self-study, in-house training, and formal training.

Overall, the NRC staff concluded that the BER technical staff identified by the State to participate in the Agreement materials program has sufficient knowledge and experience in radiation protection, the use of radioactive materials, the standards for the evaluation of applications for licensing, and the techniques of inspecting licensed users of Agreement materials.

(b) Legislation and Regulations. In conjunction with the rulemaking authority vested in the New Jersey Commission on Radiation Protection (N.J.S.A. 26:2D-7), the BER has the

requisite authority to promulgate regulations for protection against radiation. The law provides BER the authority to issue licenses and orders, conduct inspections, and to enforce compliance with regulations, license conditions, and orders. Licensees are required to provide access to inspectors.

The NRC staff verified that the State adopted the relevant NRC regulations in 10 CFR Parts 19, 20, 30, 31, 32, 33, 34, 35, 36, 39, 40, 61, 70, 71, and 150 into New Jersey Administrative Code, Title 7, Chapter 28. The NRC staff also approved two license conditions to implement Increased Controls and Fingerprinting and Criminal History Records Check requirements for risk-significant radioactive materials for certain State licensees under the proposed Agreement. These license conditions will replace the Orders that NRC issued (EA-05-090 and EA-07-305) to these licensees that will transfer to the State. Therefore, on the proposed effective date of the Agreement, the State will have adopted an adequate and compatible set of radiation protection regulations that apply to byproduct, source, and special nuclear materials in quantities not sufficient to form a critical mass. The NRC staff also verified that the State will not attempt to enforce regulatory matters reserved to the Commission.

(c) Storage and Disposal. The State has adopted NRC compatible requirements for the handling and storage of radioactive material. The State is requesting authority to regulate the land disposal of byproduct, source, and special nuclear waste materials received from other persons. The State waste disposal requirements cover the preparation, classification, and manifesting of radioactive waste generated by State licensees for transfer for disposal to an authorized waste disposal site or broker. The State has adopted the regulations for a land disposal site but does not expect to need to implement them in the near future since the State is a member of the Atlantic Compact and has access to the waste disposal site, EnergySolutions Barnwell Operations, located in Barnwell, South Carolina.

(d) Transportation of Radioactive Material. The State has adopted compatible

regulations to the NRC regulations in 10 CFR Part 71. Part 71 contains the requirements licensees must follow when preparing packages containing radioactive material for transport. Part 71 also contains requirements related to the licensing of packaging for use in transporting radioactive materials. The State will not attempt to enforce portions of the regulations related to activities, such as approving packaging designs, which are reserved to NRC.

(e) Recordkeeping and Incident Reporting. The State has adopted compatible regulations to the sections of the NRC regulations which specify requirements for licensees to keep records, and to report incidents or accidents involving Agreement materials.

(f) Evaluation of License Applications. The State has adopted compatible regulations to the NRC regulations that specify the requirements a person must meet to get a license to possess or use radioactive materials. The State has also developed a licensing procedure manual, along with accompanying regulatory guides, which are adapted from similar NRC documents and contain guidance for the program staff when evaluating license applications.

(g) Inspections and Enforcement. The State has adopted a schedule providing for the inspection of licensees as frequently as, or more frequently than, the inspection schedule used by the NRC. The BER has adopted procedures for the conduct of inspections, reporting of inspection findings, and reporting inspection results to the licensees. The State has also adopted procedures for the enforcement of regulatory requirements.

(h) Regulatory Administration. The State is bound by requirements specified in State law for rulemaking, issuing licenses, and taking enforcement actions. The State has also adopted administrative procedures to assure fair and impartial treatment of license applicants. State law prescribes standards of ethical conduct for State employees.

(i) Cooperation with Other Agencies. State Statute contains a provision that provides for the recognition of existing NRC and Agreement State licenses. New Jersey has a process in place for the transition of active NRC licenses. Upon completion of the Agreement, all active

NRC licenses issued to facilities in New Jersey will be recognized as NJDEP licenses. New Jersey will issue a brief licensing document that will include licensee specific information, as well as an expiration date, with a license condition that authorizes receipt, acquisition, possession, and transfer of byproduct, source, and/or special nuclear material; the authorized use(s); purposes; and the places of use as designated on the NRC license. The license condition will also commit the licensee to conduct its program in accordance with the NRC license and commitments. The NJDEP rules will govern unless the statements, representations and procedures in the licensee's application and correspondence are more restrictive than the rules. NJDEP will then issue full NJDEP licenses, over approximately 13 months.

The State also provides for "timely renewal." This provision affords the continuance of licenses for which an application for renewal has been filed more than 30 days prior to the date of expiration of the license. NRC licenses transferred while in timely renewal are included under the continuation provision. New Jersey regulations, in N.J.A.C. 28:51.1, provides exemptions from the State's requirements for licensing of sources of radiation for NRC and U.S. Department of Energy contractors or subcontractors. The proposed Agreement commits the State to use its best efforts to cooperate with the NRC and the other Agreement States in the formulation of standards and regulatory programs for the protection against hazards of radiation, and to assure that the State's program will continue to be compatible with the Commission's program for the regulation of Agreement materials. The proposed Agreement stipulates the desirability of reciprocal recognition of licenses, and commits the Commission and the State to use their best efforts to accord such reciprocity.

III. Staff Conclusion

Section 274d of the Act provides that the Commission shall enter into an Agreement under Section 274b with any State if:

(a) The Governor of the State certifies that the State has a program for the control of radiation hazards adequate to protect public health and safety with respect to the Agreement materials within the State, and that the State desires to assume regulatory responsibility for the Agreement materials; and

(b) The Commission finds that the State program is in accordance with the requirements of Subsection 274o, and in all other respects compatible with the Commission's program for the regulation of materials, and that the State program is adequate to protect public health and safety with respect to the materials covered by the proposed Agreement.

The NRC staff has reviewed the proposed Agreement, the certification by the State of New Jersey in the application for an Agreement submitted by Governor Corzine on October 16, 2008, and the supporting information provided by NJDEP, BER, and concludes that the State of New Jersey satisfies the criteria in the Commission's policy statement "Criteria for Guidance of States and NRC in Discontinuance of NRC Regulatory Authority and Assumption Thereof by States Through Agreement," and meets the requirements of Section 274 of the Act. Therefore, the proposed State of New Jersey program to regulate Agreement materials, as comprised of statutes, regulations, procedures, and staffing is compatible with the program of the Commission and is adequate to protect public health and safety with respect to the materials covered by the proposed Agreement.

Dated at Rockville, Maryland, this [] day of [month], 2009.

For the Nuclear Regulatory Commission:

Robert J. Lewis, Director
Division of Materials Safety
and State Agreements
Office of Federal and State Materials
and Environmental Management Programs

AN AGREEMENT
BETWEEN
THE UNITED STATES NUCLEAR REGULATORY COMMISSION
AND
THE STATE OF NEW JERSEY
FOR THE
DISCONTINUANCE OF CERTAIN COMMISSION REGULATORY AUTHORITY
AND
RESPONSIBILITY WITHIN THE STATE PURSUANT TO
SECTION 274 OF THE ATOMIC ENERGY ACT OF 1954, AS AMENDED

WHEREAS, The United States Nuclear Regulatory Commission (the Commission) is authorized under Section 274 of the Atomic Energy Act of 1954, as amended, 42 U.S.C. §2011 *et seq.* (hereinafter referred to as the Act), to enter into Agreements with the Governor of any State/Commonwealth providing for discontinuance of the regulatory authority of the Commission within the State/Commonwealth under Chapters 6, 7, and 8, and Section 161 of the Act with respect to byproduct materials as defined in Sections 11e.(1), (2), (3), and (4) of the Act, source materials, and special nuclear materials in quantities not sufficient to form a critical mass; and,

WHEREAS, The Governor of the State of New Jersey is authorized under The Radiation Protection Act, N.J.S.A. 26:2D-1, to enter into this Agreement with the Commission; and,

WHEREAS, The Governor of the State of New Jersey certified on October 16, 2008, that the State of New Jersey (the State) has a program for the control of radiation hazards adequate to protect public health and safety with respect to the materials within the State covered by this Agreement and that the State desires to assume regulatory responsibility for such materials; and,

WHEREAS, The Commission found on [date] that the program of the State for the regulation of the materials covered by this Agreement is compatible with the Commission's program for the regulation of such materials and is adequate to protect public health and safety; and,

WHEREAS, The State and the Commission recognize the desirability and importance of cooperation between the Commission and the State in the formulation of standards for protection against hazards of radiation and in assuring that State and Commission programs for protection against hazards of radiation will be coordinated and compatible; and,

WHEREAS, The Commission and the State recognize the desirability of the reciprocal recognition of licenses, and of the granting of limited exemptions from licensing of those materials subject to this Agreement; and,

WHEREAS, This Agreement is entered into pursuant to the provisions of the Act;

NOW, THEREFORE, It is hereby agreed between the Commission and the Governor of the State acting on behalf of the State as follows:

ARTICLE I

Subject to the exceptions provided in Articles II, IV, and V, the Commission shall discontinue, as of the effective date of this Agreement, the regulatory authority of the Commission in the State under Chapters 6, 7, and 8, and Section 161 of the Act with respect to the following materials:

1. Byproduct materials as defined in Section 11e.(1) of the Act;
2. Byproduct materials as defined in Section 11e.(3) of the Act;
3. Byproduct materials as defined in Section 11e.(4) of the Act;
4. Source materials;
5. Special nuclear materials in quantities not sufficient to form a critical mass;

6. The regulation of the land disposal of byproduct, source, or special nuclear waste materials received from other persons.

ARTICLE II

This Agreement does not provide for discontinuance of any authority and the Commission shall retain authority and responsibility with respect to:

1. The regulation of the construction and operation of any production or utilization facility or any uranium enrichment facility;
2. The regulation of the export from or import into the United States of byproduct, source, or special nuclear material, or of any production or utilization facility;
3. The regulation of the disposal into the ocean or sea of byproduct, source, or special nuclear materials waste as defined in the regulations or orders of the Commission;
4. The regulation of the disposal of such other byproduct, source, or special nuclear materials waste as the Commission from time to time determines by regulation or order should, because of the hazards or potential hazards thereof, not be disposed without a license from the Commission;
5. The evaluation of radiation safety information on sealed sources or devices containing byproduct, source, or special nuclear materials and the registration of the sealed sources or devices for distribution, as provided for in regulations or orders of the Commission.
6. The regulation of byproduct material as defined in Section 11e.(2) of the Act;

ARTICLE III

With the exception of those activities identified in Article II, paragraphs 1 through 4, this Agreement may be amended, upon application by the State and approval by the Commission, to include one or more of the additional activities specified in Article II, whereby the State may then exert regulatory authority and responsibility with respect to those activities.

ARTICLE IV

Notwithstanding this Agreement, the Commission may from time to time by rule, regulation, or order, require that the manufacturer, processor, or producer of any equipment, device, commodity, or other product containing source, byproduct, or special nuclear material shall not transfer possession or control of such product except pursuant to a license or an exemption from licensing issued by the Commission.

ARTICLE V

This Agreement shall not affect the authority of the Commission under Subsection 161b or 161i of the Act to issue rules, regulations, or orders to protect the common defense and security, to protect restricted data, or to guard against the loss or diversion of special nuclear material.

ARTICLE VI

The Commission will cooperate with the State and other Agreement States in the formulation of standards and regulatory programs of the State and the Commission for protection against hazards of radiation and to assure that Commission and State programs for protection against hazards of radiation will be coordinated and compatible.

The State agrees to cooperate with the Commission and other Agreement States in the formulation of standards and regulatory programs of the State and the Commission for

protection against hazards of radiation and to assure that the State's program will continue to be compatible with the program of the Commission for the regulation of materials covered by this Agreement.

The State and the Commission agree to keep each other informed of proposed changes in their respective rules and regulations, and to provide each other the opportunity for early and substantive contribution to the proposed changes.

The State and the Commission agree to keep each other informed of events, accidents, and licensee performance that may have generic implication or otherwise be of regulatory interest.

ARTICLE VII

The Commission and the State agree that it is desirable to provide reciprocal recognition of licenses for the materials listed in Article I licensed by the other party or by any other Agreement State.

Accordingly, the Commission and the State agree to develop appropriate rules, regulations, and procedures by which such reciprocity will be accorded.

ARTICLE VIII

The Commission, upon its own initiative after reasonable notice and opportunity for hearing to the State, or upon request of the Governor of the State, may terminate or suspend all or part of this Agreement and reassert the licensing and regulatory authority vested in it under the Act if the Commission finds that (1) such termination or suspension is required to protect public health and safety, or (2) the State has not complied with one or more of the requirements of Section 274 of the Act.

The Commission may also, pursuant to Section 274j of the Act, temporarily suspend all or part of this Agreement if, in the judgment of the Commission, an emergency situation exists

requiring immediate action to protect public health and safety and the State has failed to take necessary steps. The Commission shall periodically review actions taken by the State under this Agreement to ensure compliance with Section 274 of the Act which requires a State program to be adequate to protect public health and safety with respect to the materials covered by this Agreement and to be compatible with the Commission's program.

ARTICLE IX

This Agreement shall become effective on [date], and shall remain in effect unless and until such time as it is terminated pursuant to Article VIII.

Done at Rockville, Maryland this [date] day of [month], [year].

FOR THE UNITED STATES NUCLEAR
REGULATORY COMMISSION

Dale E. Klein, Chairman

Done at Trenton, New Jersey this [date] day of [month], [year].

FOR THE STATE OF NEW JERSEY

Jon S. Corzine, Governor

DRAFT ASSESSMENT

of the proposed

NEW JERSEY PROGRAM FOR THE REGULATION OF AGREEMENT MATERIALS

as described in the

REQUEST FOR AN AGREEMENT

This Assessment examines the proposed State of New Jersey Program with respect to the ability of the program to regulate the possession, use, and disposal of radioactive materials subject to the Atomic Energy Act of 1954 (Act), as amended.¹ This Assessment was performed using the criteria in the Commission's policy statement "Criteria for Guidance of States and NRC in Discontinuance of NRC Regulatory Authority and Assumption Thereof by States Through Agreement" (referred to below as the "criteria")² using the Office of Federal and State Materials and Environmental Management Programs (FSME) Procedure SA-700 "Processing an Agreement". Each criterion, and the staff assessment related thereto, is addressed separately below.

OBJECTIVES

1. **Protection. A State regulatory program shall be designed to protect the health and safety of the people against radiation hazards.**

The proposed Agreement State Program for the State for regulating radioactive materials is located in the Bureau of Environmental Radiation (BER) within the New Jersey Department of Environmental Protection (NJDEP). The NJDEP is a cabinet level Department with the Commissioner reporting directly to the Governor of New Jersey.

The NJDEP has the statutory authority to establish the Agreement State Program and to implement it by the Radiation Protection Act (N.J.S.A. 26:2D-1), the Administrative Procedures Act (N.J.S.A.52:14B-1 et seq.), and the Atlantic Interstate Low-Level Radioactive Waste Compact Implementation Act.

The authorities to issue, amend, suspend or revoke licenses; place conditions and to issue orders; or assess administrative fines is vested by Statute in the Radiation Protection Act, N.J.S.A. 26:D-7 and 26:D-9.

The NRC staff verified that the State's Agreement State Program design for distributing regulatory responsibilities to the program staff is similar to designs used successfully in

¹According to paragraph (a) of Section 274, the radioactive materials subject to the Act are byproduct, source and special nuclear materials.

²NRC Statement of Policy published in the Federal Register, January 23, 1981 (46 FR 7540-7546), a correction was published July 16, 1981 (46 FR 36969) and a revision of Criterion 9 published in the Federal Register, July 21, 1983 (48 FR 33376).

other Agreement States, and that all necessary program elements have been addressed.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Statutes: 26:2D-1, 26:2D-2, 26:2D-3, 26:2D-4, 26:2D-5, 26:2D-6, 26:2D-7, 26:2D-8, 26:2D-9, 26:2D-9.1, 26:2D-9.2. State Regulations N.J.A.C. Title 7 Chapter 28.

RADIATION PROTECTION STANDARDS

2. **Standards. The State regulatory program shall adopt a set of standards for protection against radiation which shall apply to byproduct, source and special nuclear materials in quantities not sufficient to form a critical mass.**

In conjunction with the rulemaking authority vested in the New Jersey Commission on Radiation Protection by New Jersey Statute 26:2D-7 of the Radiation Protection Act, the BER has the requisite authority to promulgate rules for protection against radiation.

The NRC staff verified that the State adopted the relevant NRC regulations in 10 CFR Parts 19, 20, 30, 31, 32, 33, 34, 35, 36, 39, 40, 61, 70, 71, and 150 into State Regulations, New Jersey Administrative Code (N.J.A.C.) Title 7 Section 28, Radiation Protection Programs. The State has adopted an adequate and compatible set of radiation protection regulations which apply to byproduct, source, and special nuclear materials in quantities not sufficient to form a critical mass.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Statutes: 26:2D-1, 26:2D-2, 26:2D-3, 26:2D-4, 26:2D-5, 26:2D-6, 26:2D-7, 26:2D-8, 26:2D-9, 26:2D-9.1, 26:2D-9.2. State Regulations N.J.A.C. Title 7 Chapter 28.

3. **Uniformity of Radiation Standards. It is important to strive for uniformity in technical definitions and terminology, particularly as related to such things as units of measurement and radiation dose. There shall be uniformity on maximum permissible doses and levels of radiation and concentrations of radioactivity, as fixed by 10 CFR Part 20 of the NRC regulations based on officially approved radiation protection guides.**

The State, by statute, must promulgate and enforce rules for the regulation of byproduct, source, and special nuclear material that are in accordance with Section 274 of the Act, as amended. The NRC staff verified that the State adopted regulations compatible with 10 CFR Part 20.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Statutes: 26:2D-1, 26:2D-2, 26:2D-3, 26:2D-4, 26:2D-5, 26:2D-6, 26:2D-7, 26:2D-8, 26:2D-9, 26:2D-9.1, 26:2D-9.2. State Regulations N.J.A.C. Title 7 Chapter 28.

4. **Total Occupational Radiation Exposure. The regulatory authority shall consider the total occupational radiation exposure of individuals, including that from sources which are not regulated by it.**

The NRC staff review verified that the State has adopted regulations compatible with the NRC regulations in 10 CFR Part 20, including Subpart C, the occupational dose limits and Subpart D, the dose limits to individual members of the public. State licensees are required to consider the radiation doses to individuals from all sources of radiation, except background radiation and radiation from medical procedures. Like NRC licensees, State licensees are required to consider the radiation dose whether the sources are licensed or unlicensed.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

5. **Surveys, Monitoring. Appropriate surveys and personnel monitoring under the close supervision of technically competent people are essential in achieving radiological protection and shall be made in determining compliance with safety regulations.**

NRC requires surveys and monitoring pursuant to Subpart F of 10 CFR Part 20. The NRC staff review verified that the State has adopted regulations compatible with 10 CFR Part 20 Subpart F. Therefore, State licensees are required to conduct surveys and personnel monitoring to the same standards required of NRC licensees.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

6. **Labels, Signs, Symbols. It is desirable to achieve uniformity in labels, signs and symbols, and the posting thereof. However, it is essential that there be uniformity in labels, signs, and symbols affixed to radioactive products which are transferred from person to person.**

The NRC staff review verified that the State has adopted regulations compatible with the NRC regulations in Subpart J of 10 CFR Part 20. Therefore, the radiation labels, signs, symbols, and the posting and labeling requirements in the State regulations are compatible with those contained in the NRC regulations.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

7. **Instruction. Persons working in or frequenting restricted areas shall be instructed with respect to the health risks associated with exposure to radioactive materials and in precautions to minimize exposure. Workers shall have the right to request regulatory authority inspections as per 10 CFR 19, Section 19.16 and to be represented during inspections as specified in Section 19.14 of 10 CFR 19.**

The NRC staff review verified that the State has adopted regulations compatible with the NRC regulations 10 CFR Part 19.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

8. **Storage. Licensed radioactive material in storage shall be secured against unauthorized removal.**

The NRC staff review verified that the State has adopted regulations compatible with the NRC regulations in Subpart I of 10 CFR Part 20.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

9. **Radioactive Waste Disposal. (a) Waste disposal by material users. The standards for the disposal of radioactive materials into the air, water and sewer, and burial in the soil shall be in accordance with 10 CFR Part 20. Holders of radioactive material desiring to release or dispose of quantities or concentrations of radioactive materials in excess of prescribed limits shall be required to obtain special permission from the appropriate regulatory authority. Requirements for transfer of waste for the purpose of ultimate disposal at a land disposal facility (waste transfer and manifest system) shall be in accordance with 10 CFR 20. The waste disposal standards shall include a waste classification scheme and provisions for waste form, applicable to waste generators, that is equivalent to that contained in 10 CFR Part 61.**

The NRC staff review confirmed that the State has adopted regulations that are compatible with the NRC regulations in Subpart K of 10 CFR Part 20 - Waste Disposal. These regulations deal with general requirements for waste disposal and are applicable to all licensees.

The staff concludes that Criterion 9(a) is satisfied.

(b) Land Disposal of waste received from other persons. The State shall promulgate regulations containing licensing requirements for land disposal of radioactive waste received from other persons, which are compatible with the applicable technical definitions, performance objectives, technical requirements and applicable supporting sections set forth in 10 CFR Part 61. Adequate financial arrangements (under terms established by regulation) shall be required of each waste disposal site licensee to ensure sufficient funds for decontamination, closure and stabilization of a disposal site. In addition, Agreement State financial arrangements for long-term monitoring and maintenance of a specific site must be reviewed and approved by the Commission prior to relieving the site operator of licensed responsibility (Section 151(a)(2), Pub. L. 97-425).

The NRC staff verified that the State has adopted regulations containing licensing requirements for land disposal of radioactive waste received from other persons which are compatible with the applicable technical definitions, performance objectives, technical requirements, and applicable supporting sections set forth in 10 CFR Part 61, "Licensing Requirements for Land Disposal of Radioactive Waste."

The staff concludes that Criterion 9(b) is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

10. **Regulations Governing Shipment of Radioactive Materials. The State shall, to the extent of its jurisdiction, promulgate regulations applicable to the shipment of radioactive materials, such regulations to be compatible with those established by the U. S. Department of Transportation and other agencies of the United States**

whose jurisdiction over interstate shipment of such materials necessarily continues. State regulations regarding transportation of radioactive materials must be compatible with 10 CFR Part 71.

The NRC staff verified that the State has adopted regulations compatible with the NRC regulations in 10 CFR Part 71. The State's regulations specifically exempt areas of exclusive NRC jurisdiction.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

11. **Records and Reports. The State regulatory program shall require that holders and users of radioactive materials (a) maintain records covering personnel radiation exposures, radiation surveys, and disposals of materials; (b) keep records of the receipt and transfer of the materials; (c) report significant incidents involving the materials, as prescribed by the regulatory authority; (d) make available upon request of a former employee a report of the employee's exposure to radiation; (e) at request of an employee advise the employee of his or her annual radiation exposure; and (f) inform each employee in writing when the employee has received radiation exposure in excess of the prescribed limits.**

The NRC staff review verified that the State has adopted regulations compatible with the NRC regulations in 10 CFR Parts 19, 20, 30, 31, 32, 33, 34, 35, 36, 39, 40, 61, 70, 71, and 150. The records and reports referenced in Criterion 11 are regulatory requirements in these parts. The State has adopted the necessary record and reporting requirements.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

12. **Additional Requirements and Exemptions. Consistent with the overall criteria here enumerated and to accommodate special cases and circumstances, the State regulatory authority shall be authorized in individual cases to impose additional requirements to protect health and safety, or to grant necessary exemptions which will not jeopardize health and safety.**

The NRC staff has verified that the State has adopted a regulation which is compatible with 10 CFR 30.34, Terms and conditions of licenses, in N.J.A.C. 7:28-51.1. The State regulations provide the radiation control agency authority to impose, by order or license condition, additional health and safety requirements beyond the requirements specified in law and in the rules. The agency also has legal authority to grant reasonable and

necessary exceptions to the regulatory requirements, either by order or by license condition.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

PRIOR EVALUATION OF USES OF RADIOACTIVE MATERIALS

13. **Prior Evaluation of Hazards and Uses, Exceptions. In the present state of knowledge, it is necessary in regulating the possession and use of byproduct, source and special nuclear materials that the State regulatory authority require the submission of information on, and evaluation of, the potential hazards, and the capability of the user or possessor prior to his receipt of materials. This criterion is subject to certain exceptions and to continuing reappraisal as knowledge and experience in the atomic energy field increase. Frequently there are, and increasingly in the future there may be, categories of materials and uses as to which there is sufficient knowledge to permit possession and use without prior evaluation of the hazards and the capability of the processor and user. These categories fall into two groups: those materials and uses which may be completely exempt from regulatory controls, and those materials and uses in which sanctions for misuse are maintained without pre-evaluation of the individual possession or use. In authorizing research and development or other activities involving multiple uses of radioactive materials, where an institution has people with extensive training and experience, the State regulatory authority may wish to provide a means for authorizing broad use of materials without evaluating specific use.**

The State has adopted regulations containing regulatory requirements for applying for and issuing licenses, which are compatible with NRC's regulations.

The NRC staff review confirmed that the State's regulations provide that only NRC may issue a license authorizing the distribution of Agreement materials that will subsequently be exempt from regulatory control.

Since Criterion 13 was adopted, the Commission has determined that the regulatory authority to conduct safety evaluations of sealed sources and devices may be retained by the NRC, unless the State requests assumption of the authority and has in place an adequate and compatible program to implement the authority. The State has decided not to seek authority for evaluation of sealed sources and devices.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS:

ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

14. **Evaluation Criteria. In evaluating a proposal to use radioactive materials, the regulatory authority shall determine the adequacy of the applicant's facilities and safety equipment, his training and experience in the use of the materials for the purpose requested, and his proposed administrative controls. States should develop guidance documents for use by license applicants. This guidance should be consistent with NRC licensing regulatory guides for various categories of licensed activities.**

The NRC staff review determined that the State has established a series of procedures, checklists, and forms to be used in evaluating proposals for radioactive materials use. These will be used in addition to the licensing guidance in the NRC's NUREG-1556 series. In addition, the State developed administrative licensing procedures that define the review process for a new license application, amendment, renewal, and license termination. The State licensing procedures are similar to NRC procedures.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

15. **Human Use. The use of radioactive materials and radiation on or in humans shall not be permitted except by properly qualified persons (normally licensed physicians) possessing prescribed minimum experience in the use of radioisotopes or radiation.**

The NRC staff verified that the State has adopted compatible regulations to the NRC regulations in 10 CFR Part 35. Therefore the State's regulations include training and experience requirements for use of radioactive material which are equivalent to the NRC requirements.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

INSPECTION

16. Purpose, Frequency. **The possession and use of radioactive materials shall be subject to inspection by the regulatory authority and shall be subject to the performance of tests, as required by the regulatory authority. Inspection and testing is conducted to determine and to assist in obtaining compliance with regulatory requirements. Frequency of inspection shall be related directly to the amount and kind of material and type of operation licensed, and it shall be adequate to insure compliance.**

The NRC staff confirmed that the State has statutory authority to conduct inspections of licensees. The State has adopted regulations compatible with equivalent parts of the NRC regulations containing provisions relating to inspections and tests.

The State has adopted a schedule for inspection of licensees at least as frequent as the schedule used by NRC. The State staff has developed internal procedures and accompanying forms for the inspection areas which cover scheduling, preparation, performance basis, tracking and documentation of inspection results. The inspection procedures are similar to NRC procedures.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

17. Inspections Compulsory. **Licensees shall be under obligation by law to provide access to inspectors.**

The NRC staff review confirmed that State law provides authority for radiation control program inspectors to enter public or private property at all reasonable times for the purpose of investigating conditions related to radiation use.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Statute: 26:2D-9. State Regulations N.J.A.C. Title 7 Chapter 28.

18. Notification of Results of Inspection. **Licensees are entitled to be advised of the results of inspections and to notice as to whether or not they are in compliance.**

The NRC staff review determined that the State has adopted procedures to convey a copy of the formal inspection report to the licensees, both when violations are found, and when no violations are found. The procedures identify the staff responsible and specify

the time limit for preparing the inspection report, the process for management review and approval, and provide instructions for distribution of the report to the licensee and to the State's official files.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Statutes: 26:2D-1, 26:2D-2, 26:2D-3, 26:2D-4, 26:2D-5, 26:2D-6, 26:2D-7, 26:2D-8, 26:2D-9, 26:2D-9.1, 26:2D-9.2. State Regulations N.J.A.C. Title 7 Chapter 28.

ENFORCEMENT

19. **Enforcement. Possession and use of radioactive materials should be amenable to enforcement through legal sanctions, and the regulatory authority shall be equipped or assisted by law with the necessary powers for prompt enforcement. This may include, as appropriate, administrative remedies looking toward issuance of orders requiring affirmative action or suspension or revocation of the right to possess and use materials, and the impounding of materials; the obtaining of injunctive relief; and the imposing of civil or criminal penalties.**

The NRC staff review confirmed that the State is authorized by law to enforce the State's regulations using a variety of sanctions, including the imposition of administrative fines, the issuance of orders to suspend, modify or revoke licenses, and any other action deemed appropriate by the Program. The Program may assess civil penalties in accordance with State Law and Department regulations.

The Program has adopted policies and procedures to implement the enforcement authority. The State enforcement procedures are similar to the NRC procedures with regard to the use of severity levels for violations.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Statutes: 26:2D-1, 26:2D-2, 26:2D-3, 26:2D-4, 26:2D-5, 26:2D-6, 26:2D-7, 26:2D-8, 26:2D-9, 26:2D-9.1, 26:2D-9.2, 26:2D-13, 26:2D-22, 26:2D-23.4, 26:2D-36, 26:2D-57, 26:2D-77. State Regulation: N.J.A.C. 7:28-2.13.

PERSONNEL

20. **Qualifications of Regulatory and Inspection Personnel. The regulatory agency shall be staffed with sufficient trained personnel. Prior evaluation of applications for licenses or authorizations and inspections of licensees must be conducted by**

persons possessing the training and experience relevant to the type and level of radioactivity in the proposed use to be evaluated and inspected. This requires competency to evaluate various potential radiological hazards associated with the many uses of radioactive material and includes concentrations of radioactive materials in air and water, conditions of shielding, the making of radiation measurements, knowledge of radiation instruments (their selection, use and calibration), laboratory design, contamination control, other general principles and practices of radiation protection, and use of management controls in assuring adherence to safety procedures. In order to evaluate some complex cases, the State regulatory staff may need to be supplemented by consultants of other State agencies with expertise in geology, hydrology, water quality, radiobiology and engineering disciplines.

To perform the functions involved in evaluation and inspection, it is desirable that there be personnel educated and trained in the physical and/or life science, including biology, chemistry, physics and engineering, and that the personnel have had training and experience in radiation protection. For example, the person who will be responsible for the actual performance of evaluation and inspection of all of the various uses of byproduct, source and special nuclear material which might come to the regulatory body should have substantial training and extensive experience in the field of radiation protection. It is desirable that such a person have a bachelor's degree or equivalent in the physical or life sciences, and specific training - radiation protection.

It is recognized that there will also be persons in the program performing a more limited function in evaluation and inspection. These persons will perform the day-to-day work of the regulatory program and deal with both routine situations as well as some which are out of the ordinary. These people should have a bachelor's degree or equivalent in the physical or life sciences, training in health physics, and approximately two years of actual work experience in the field of radiation protection.

The foregoing are considered desirable qualifications for the staff who will be responsible for the actual performance of evaluation and inspection. In addition, there will probably be trainees associated with the regulatory program who will have an academic background in the physical or life sciences as well as varying amounts of specific training in radiation protection but little or no actual work experience in the field. The background and specific training of these persons will indicate to some extent their potential role in the regulatory program. These trainees, of course, could be used initially to evaluate and inspect those applications of radioactive materials which are considered routine or more standardized from the radiation safety standpoint, for example, inspection of industrial gauges, small research programs, and diagnostic medical programs. As they gain experience and competence in the field, the trainees could be used progressively to deal with the more complex or difficult types of radioactive material applications. It is desirable that such trainees have a bachelor's degree or equivalent in the physical or life sciences and specific training in radiation protection. In determining the requirement for academic training of individuals in all of the foregoing categories, proper consideration should be given to equivalent competency which has been gained by appropriate technical and radiation protection experience.

It is recognized that radioactive materials and their uses are so varied that the evaluation and inspection functions will require skills and experience in the different disciplines which will not always reside in one person. The regulatory authority should have the composite of such skills either in its employ or at its command, not only for routine functions, but also for emergency cases.

Based on the review of the organizational charts and position descriptions for the Bureau of Environmental Radiation (BER), the BER training and qualification plan, and the curricula vitae for the current staff members, the NRC staff concludes that the BER has a staffing plan that provides a sufficient number of adequately trained and qualified technical staff.

a. Assessment of the Agreement Materials Staffing

There are about 500 NRC specific licenses in the State. The State currently conducts a licensing and inspection program for about 500 naturally occurring or accelerator-produced radioactive material (NARM) users. About 300 of these NARM users currently have an NRC license. When the NRC and State licenses are combined, there will be approximately 700 specific licenses in New Jersey. Additionally, there are over 400 general license registrations.

The staff of the Radioactive Materials Section (RMS), in BER, will be responsible for implementing the majority of the Agreement State Program. The Radiological Assessment Section, in BER, will be responsible for the remainder of the Agreement State Program, including decommissioning, low-level radioactive waste disposal site regulation, and will provide assistance with nuclear medicine licensees, increased controls and general license registration.

The State conducted an analysis of the expected workload to establish an appropriate staffing plan. The State estimates that there will be approximately 700 specific licenses after the NRC and State licenses are combined. The State has determined that 13.25 FTE is adequate for operating the Agreement State Program. This projection is based on data from the NRC, Agreement States, and BER's own internal information.

At this time, there is one vacant technical position in BER to support the Agreement State Program. This position is expected to be filled in April 2009. There is currently 10 technical staff devoted to 9.5 FTE to support the Agreement State Program, which includes the Supervisor of the RMS. The RMS Supervisor will provide the day-to-day supervision of the Agreement State Program. The Supervisor plans on devoting 100% of his time to the Agreement State Program, including management review of licensing and inspection actions, personnel responsibilities, rule development, and accompaniment of inspectors for annual management review. The BER Bureau Chief will spend 35% of her time to the Agreement State Program, including management review of certain actions, personnel responsibilities, and rule development. There are two staff members that provide 2 FTE of administrative support to the program and one staff member that will spend 40% of her time providing management assistance to the Agreement State Program. The staff will work in all aspects of the materials program, including licensing, inspection, enforcement, emergency response, and rule development.

The NRC staff concludes that BER has an adequate number of staff to transition to and meet the anticipated needs of the Agreement State Program.

The staff concludes that criterion 20(a) is satisfied.

b. Assessment of Staff Qualifications

The NRC staff review considered the qualifications of the individuals currently on the BER staff that would be involved in the Agreement State Materials Program and the procedures for training and qualifying new staff members.

Under the proposed Agreement, the BER will implement the Agreement State Program. The Bureau Chief of BER has a Bachelor of Arts degree in Biology and a Master of Science degree in Radiation Science. She has 28 years experience, as a radiation physicist and in management, with NJDEP within a variety of program areas including radioactive materials, decommissioning/site remediation, radioanalytical laboratory program, and emergency response.

The Supervisor of RMS will be responsible for the Program's administration and will provide the immediate day-to-day supervision of the Agreement State Materials Program. The Supervisor of RMS has a Bachelor of Science in Biology, a Master of Science in Radiation Science, and has a Nuclear Medicine Certification. He has about 25 years of experience in all aspects of the NJDEP programs – licensing and inspection of NARM licenses, radiation measurements, calibration, laboratory design, and emergency response. Additionally, he has experience as a nuclear medicine technologist, responsible for the preparation and use of radiopharmaceuticals for diagnostic and therapeutic purposes and the operation of clinical nuclear medicine instruments.

All other staff members have a Bachelor of Science degree in one of the following areas: environmental science, nuclear engineering, earth sciences, chemistry, physics, and biochemistry, with one person also possessing a Bachelor of Science degree in mathematics. Additionally, 5 staff members have a Master of Science in Radiation science, one staff member has a Master of Business Administration, and another has begun graduate work in environmental policy studies.

The majority of the BER technical staff has extensive health physics and radiation science experience, within NJDEP as well as work in the private sector. Staff has work experience in nuclear engineering; as a radiation safety officer in medical and radiopharmaceutical facilities, environmental protection and remediation; and with radiopharmaceutical production. The technical staff has completed or is scheduled to complete the NRC recommended core courses, or have received waivers from BER based on prior training and experience.

The BER has had a strong NARM program for many years, regulating approximately 500 NARM licensees; consequently, the majority of staff currently with the program has extensive licensing and inspection experience. The BER technical staff has accompanied NRC staff on inspections of NRC licensees in the State, and is continuing to accompany NRC on more inspections in preparation for the transition to an Agreement State.

NRC staff believes that the BER technical staff identified by the State to work in the Agreement State Program are trained in accordance with the BER plans, have sufficient knowledge and experience in radiation protection, the use of radioactive materials, the

standards for the evaluation of applications for licensing, and techniques of inspecting licensed users of radioactive materials.

The NRC staff concludes that the proposed BER has a sufficient number of adequately trained staff to transition to the Agreement State Materials Program and to meet program needs.

The staff concludes that criterion 20(b) is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116).

21. **Conditions Applicable to Special Nuclear Material, Source Material and Tritium. Nothing in the State's regulatory program shall interfere with the duties imposed on the holder of the materials by the NRC, for example, the duty to report to the NRC, on NRC prescribed forms, (1) transfers of special nuclear material, source material and tritium, and (2) periodic inventory data.**

The NRC staff review did not note any aspects of the State's Agreement State Program that could potentially interfere with duties imposed on a holder of materials by the NRC. In addition, the State's regulations specifically exempt areas of exclusive NRC or other Federal jurisdiction from State regulation. The staff is therefore satisfied that the State will not interfere with duties imposed on the holder of materials by the NRC.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

22. **Special Nuclear Material Defined. Special nuclear material, in quantities not sufficient to form a critical mass, for present purposes means uranium enriched in the isotope U-235 in quantities not exceeding 350 grams of contained U-235; uranium 233 in quantities not exceeding 200 grams; plutonium in quantities not exceeding 200 grams; or any combination of them in accordance with the following formula: For each kind of special nuclear material, determine the ratio between the quantity of that special nuclear material and the quantity specified above for the same kind of special nuclear material. The sum of such ratios for all kinds of special nuclear material in combination should not exceed "1" (i.e., unity). For example, the following quantities in combination would not exceed the limitation and are within the formula, as follows:**

$$175 \text{ (grams contained U-235)/350} + 50 \text{ (grams U-233)/200} + 50 \text{ (grams PU)/200} = 1$$

The NRC staff determined that the State's definition of special nuclear material in quantities not sufficient to form a critical mass in N.J.A.C 7:28-62.1, is compatible with that of the Commission's.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

ADMINISTRATION

23. Fair and Impartial Administration. **State practices for assuring the fair and impartial administration of regulatory law, including provision for public participation where appropriate, should be incorporated in procedures for:**

- a. **Formulation of rules of general applicability;**
- b. **Approving or denying applications for licenses or authorization to process and use radioactive materials; and**
- c. **Taking disciplinary actions against licensees.**

The NRC staff review confirmed that the BER is bound by general statutory provisions with respect to providing the opportunity for public participation in rulemaking, licensing actions, and disciplinary actions. These general statutory provisions also apply to the protection of personnel radiation exposure records from public disclosure, maintaining the confidentiality of allegers, and administrative and judicial requirements for requesting and holding hearings on enforcement matters.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Statute: N.J.S.A. 52:14B-1 and 2 et seq. and N.J.S.A. 26:2D-7. State Regulation: N.J.A.C. Title 7 Chapter 28 and N.J.A.C. 7:1D-1.1

24. State Agency Designation. **The State should indicate which agency or agencies will have authority for carrying on the program and should provide the NRC with a summary of that legal authority. There should be assurances against duplicate regulation and licensing by State and local authorities, and it may be desirable that there be a single or central regulatory authority.**

The NRC staff determined that the New Jersey Department of Environmental Protection is designated by State Statute 26:2D-9 to be the lead agency for carrying out the terms of the proposed Agreement, which will assure against duplicate regulations or licensing by State and local authorities. The staff determined that the State regulations

specifically exclude any areas in which the jurisdiction of the NRC or another Federal agency is exclusive, gives sufficient assurance against duplicate regulation between the State and the NRC in the regulation of Agreement Material.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Statute: 26:2D-3, 26:2D-6, 26:2D-8, 26:2D-9 and 26:D-17.

25. Existing NRC Licenses and Pending Applications. **In effecting the discontinuance of jurisdiction, appropriate arrangements will be made by NRC and the State to ensure that there will be no interference with or interruption of licensed activities or the processing of license applications by reason of the transfer. For example, one approach might be that the State, in assuming jurisdiction, could recognize and continue in effect, for an appropriate period of time under State Law, existing NRC licenses, including licenses for which timely applications for renewal have been filed, except where good cause warrants the earlier reexamination or termination of the license.**

The NRC staff review confirmed that State Statute 26:2D-9 contains a provision that provides for recognition of existing NRC and Agreement State licenses. State procedure BER 3.08, "License Transition from NRC to New Jersey," addresses the transfer of NRC licenses to the State. N.J.A.C. 7:28-62.1 provides a process for recognition of other Agreement State licenses and N.J.A.C. 7:28-64.6 establishes the fees for reciprocity of other State licenses.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, ML090770116. State Regulation N.J.A.C. Title 7 Chapter 28.

26. Relations with Federal Government and Other States. **There should be an interchange of Federal and State information and assistance in connection with the issuance of regulations and licenses or authorizations, inspection of licensees, reporting of incidents and violations, and training and education problems.**

The NRC staff review verified that the proposed Agreement commits the State to cooperate with the NRC and the other Agreement States in the formulation of standards and regulatory programs for the protection against hazards of radiation and to assure that the State will continue to be compatible with the NRC's program for the regulation of agreement materials.

In a revised Policy Statement on Adequacy and Compatibility of Agreement State Programs (published September 3, 1997 at 62 FR 46517), the Commission determined that providing reports to NRC of Agreement State licensee incidents, accidents and other significant events is a matter of compatibility. The State has adopted procedures to provide such reports to NRC.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Statute: N.J.S.A. 26:D-9. State Regulations: N.J.A.C. Title 7 Chapter 28.

27. **Coverage, Amendments, Reciprocity. An amendment providing for discontinuance of NRC regulatory authority and the assumption of regulatory authority by the State may relate to any one or more of the following categories of materials within the State, as contemplated by Public Law 86-373 and Public Law 95-604:**

- a. **Byproduct material as defined in Section 11e(1) of the Act,**
- b. **Byproduct material as defined in Section 11e(2) of the Act,**
- c. **Byproduct material as defined in Section 11e(3) of the Act,**
- d. **Byproduct material as defined in Section 11e(4) of the Act,**
- e. **Source material,**
- f. **Special nuclear material in quantities not sufficient to form a critical mass,**
- g. **Low-level wastes in permanent disposal facilities, as defined by statute or Commission rules or regulations containing one or more of the materials stated in a, c, and d above but not including byproduct material as defined in Section 11e(2) of the Act;**

but must relate to the whole of such category or categories and not to a part of any category. If less than the five categories are included in any discontinuance of jurisdiction, discontinuance of NRC regulatory authority and the assumption of regulatory authority by the State of the others may be accomplished subsequently by an amendment or by a later Agreement.

Arrangements should be made for the reciprocal recognition of State licenses and NRC licenses in connection with out-of-jurisdiction operations by a State or NRC licensee.

The NRC staff review verified that the proposed Agreement provides for the Commission to relinquish, and the State to assume, regulatory authority over the types of material defined in categories a, c, d, e, f, and g above.

Since this criterion was adopted, the Commission has determined that the Agreement States may assume the authority to evaluate the safety of sealed sources and devices to be distributed in interstate commerce as a separate portion of the Agreement, or to allow NRC to retain that authority. The State has chosen not to assume that authority.

The proposed Agreement stipulates the desirability or reciprocal recognition of NRC and

other Agreement State licenses, and commits the Commission and the State to cooperate to accord such reciprocity. The State's regulations provide for the reciprocal recognition of licenses from other jurisdictions.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Statute: N.J.S.A. 26:D2-9. State Regulations N.J.A.C. Title 7 Chapter 28.

28. **NRC and Department of Energy Contractors. The State should provide exemptions for NRC and DOE contractors which are substantially equivalent to the following exemptions:**
- a. **Prime contractors performing work for the DOE at U.S. Government-owned or controlled site;**
 - b. **Prime contractors performing research in, or development, manufacture, storage, testing, or transportation of, atomic weapons or components thereof;**
 - c. **Prime contractors using or operating nuclear reactors or other nuclear devices in a U.S. Government-owned vehicle or vessel; and**
 - d. **Any other prime contractor or subcontractor of DOE or NRC when the State and the NRC jointly determine (i) that, under the terms of the contract or subcontract, there is adequate assurance that the work there under can be accomplished without undue risk to the public health and safety; and (ii) that the exemption of such contractor or subcontractor is authorized by law.**

The NRC staff review verified that the State has adopted compatible regulations to NRC regulations in 10 CFR Parts 30, 40 and 70 including §30.12, §40.11, and §70.11 wherein the specified exemptions are contained. The NRC staff concludes that the State regulations do provide for exemptions from the State's requirements for licensing of sources of radiation for NRC and DOE contractors or subcontractors in accordance with the criterion.

The staff concludes that this criterion is satisfied.

References: Letter dated October 16, 2008, from Governor Corzine to Chairman Klein, request for an Agreement, Section on Statutory Authority and Program Organization, and additional related correspondence between the NRC and the State (ADAMS: ML090410192, ML090510713, ML090510708, ML090510709, ML090510710, ML090510711, ML090510712, and ML090770116. State Regulations N.J.A.C. Title 7 Chapter 28.

STAFF CONCLUSION

The NRC staff has reviewed the proposed Agreement, the certification by the State in the application for an Agreement in letter dated October 16, 2008, from Governor Corzine to Chairman Klein, and the supporting information provided by the staff of the BER.

Section 274d. of the Act provides that the Commission shall enter into an Agreement under Section 274b. with any State if:

- (a) The Governor of the State certifies that the State has a program for the control of radiation hazards adequate to protect public health and safety with respect to the agreement materials within the State, and that the State desires to assume regulatory responsibility for the agreement materials; and
- (b) The Commission finds that the State program is in accordance with the requirements of Section 274o. and in all other respects compatible with the NRC's program for the regulation of materials, and that the State program is adequate to protect public health and safety with respect to the materials covered by the proposed Agreement.

The staff concludes that:

On the basis of this Assessment, the State of New Jersey meets the requirements of the Act. The State, as defined by its statutes, regulations, personnel, licensing, inspection, and administrative procedures, is compatible with the program of the NRC and adequate to protect public health and safety with respect to the materials covered by the proposed Agreement.

SCHEDULE FOR PROPOSED AGREEMENT

PROCESSING SCHEDULE FOR NEW JERSEY AGREEMENT

Event	Scheduled Date
Receipt of Formal Request	10/21/2009
Team Concludes Review of Application	1/28/2009
Office Concurrences Complete	4/6/2009
First Publication in <i>Federal Register</i> (estimate)	5/13/2009
End of Public Comment Period (estimate based on initial publication)	6/12/09
Requested Effective Date of Agreement	9/30/2009

**PRESS RELEASE FROM
OFFICE OF PUBLIC AFFAIRS**

OPA

DRAFT

(Source: FSME)

NRC CONSIDERING REQUEST BY NEW JERSEY TO BECOME AN "AGREEMENT STATE"

The Nuclear Regulatory Commission is considering a request from New Jersey Gov. Jon S. Corzine to assume part of the NRC's regulatory authority over certain nuclear materials in the state. If the request is accepted, New Jersey will become the 37th state to sign such an agreement with the NRC.

Under the proposed agreement, the NRC would transfer to New Jersey the responsibility for licensing, rulemaking, inspection and enforcement activities for: (1) radioactive materials produced as byproducts from the production or utilization of special nuclear material (SNM-- enriched uranium or plutonium); (2) naturally occurring or accelerator-produced byproduct material (NARM); (3) source material (uranium and thorium); (4) SNM in quantities not sufficient to support a nuclear chain reaction; and (5) the regulation of the land disposal of source, byproduct, and SNM received from other persons.

If the proposed agreement is approved, the NRC would transfer an estimated 500 licenses for radioactive material to New Jersey's jurisdiction. New Jersey would retain regulatory authority over approximately 500 NARM licensees, including 300 who also hold NRC licenses. These licensees would have their NRC and New Jersey licenses combined into a single state license. In total, New Jersey would then have jurisdiction over approximately 700 licenses.

By law, NRC would retain jurisdiction over commercial nuclear power plants and federal agencies using certain nuclear material in the state. In addition, NRC would retain authority for: (1) the review, evaluation and approval of sealed radioactive materials and devices containing certain nuclear materials; and (2) the regulation of the tailings and other wastes from uranium milling within New Jersey.

Before entering into the agreement, the NRC must determine that New Jersey's radiation control program is adequate to protect public health and safety, and is compatible with the agency's own program for regulating the radioactive materials covered in the agreement.

The proposed agreement and the NRC staff's draft assessment of the New Jersey program will be published for public comment soon in the *Federal Register*, and repeated weekly for a total of four weeks. Comments should be sent to Michael T. Lesar, Chief, Rules Review and Directives Branch, Division of Freedom of Information and

Publications Services, Office of Administration, U.S. Nuclear Regulatory Commission,
Washington, DC 20555-0001.

Copies of the proposed agreement, the governor's request and supporting documents, as well as the NRC staff's assessment are available through the NRC's Agency-wide Documents Access and Management System (ADAMS). Help in using ADAMS is available by contacting the NRC Public Document Room staff at 301-415-4737 or 1-800-397-4209, or by sending an e-mail message to PDR.Resource@nrc.gov. These documents are also available for public inspection at the NRC Public Document Room at 11555 Rockville Pike, Rockville, Maryland.

Thirty-six other states have previously signed similar agreements with the NRC. They are: Alabama, Arizona, Arkansas, California, Colorado, Florida, Georgia, Illinois, Iowa, Kansas, Kentucky, Louisiana, Maine, Maryland, Massachusetts, Minnesota, Mississippi, Nebraska, Nevada, New Hampshire, New Mexico, New York, North Carolina, North Dakota, Ohio, Oklahoma, Oregon, Pennsylvania, Rhode Island, South Carolina, Tennessee, Texas, Utah, Virginia, Washington, and Wisconsin.

More information about the Agreement State program is available on the NRC's Web site at: <http://nrc-stp.ornl.gov/>.

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