



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

March 2, 2000

Dr. Edward L. Wilds, Jr., Director
Division of Radiation
Bureau of Air Management
Department of Environmental Protection
79 Elm Street
Hartford, CT 06106-5127

Dear Dr. Wilds:

We are pleased to learn that Connecticut is pursuing Agreement State status. In response to the specific requests in your September 17, 1999 e-mail, we reviewed the draft letter of intent and the final and draft legislation. Our comments are as follows:

Draft Letter of Intent from Governor John G. Rowland dated September 23, 1999

Generally, we find the draft letter of intent satisfactory but not specific with regard to the scope of the Agreement (e.g., it does not identify whether Connecticut desires to assume authority for low-level radioactive waste (LLRW) disposal or uranium and thorium mill tailings). We note there are no statutes that cover the regulation of a LLRW disposal site and uranium and thorium mill tailings as discussed below. We believe that the later sample letter of intent previously provided by NRC, July 26, 1996, is a better vehicle to begin this process.

For your information, we are enclosing the following documents that we believe will be helpful in explaining our funding policy when Connecticut becomes an Agreement State:

- Management Directive 5.7, "Technical Assistance to Agreement States," Revised October 15, 1997, Enclosure 1;
- Criteria for Training Funding Assistance for Agreement States, SP-97-085, December 12, 1997, Enclosure 2; and
- Training Course List for Fiscal Year 2000, SP-99-068, September 29, 1999, Enclosure 3. Check our website for any changes in dates.

In our July 16, 1999 letter, we provided draft Office of State Programs (OSP) Procedure SA-700, "Reviewing a Request for an Agreement." We are enclosing (Enclosure 4) our current draft of OSP Procedure SA-700 for your information.

Enacted Enabling Legislation

We reviewed the enacted enabling legislation, Chapter 466a, Sec. 22a-148 through Sec. 22a-158. In OSP Procedure SA-700, we used as guidance the 13 provisions in Section 4.1.1.1 "Information Needed" under Section 4.1.1. "Authority to Establish a Program and Enter an Agreement." Our results are tabulated in Enclosure 5. Although the key provisions are present and adequate, there are four provisions that are absent. Three of the provisions are addressed in the proposed Section 4c. Sec. 221-6(a). They are noted in the brackets in the

respective provisions. Also, we understand that any missing provision could be codified through rulemaking based on a telephone discussion between Denny Galloway and Stephen Salomon on September 28, 1999.

The remaining provision, (f), of importance that is not addressed is the one that authorizes the program to recognize the licenses of other jurisdictions. We suggest that you consider the provision in the Suggested State Legislation Radiation Control Act, Section 7(d):

Rules and regulations promulgated under this act may provide for recognition of other State or Federal licenses as the agency shall deem desirable, subject to such registration requirements as the agency may prescribe.

Section 4, SA-700, also requires authorization for the regulation of a LLRW disposal site, if the Agreement is to cover land disposal sites. We reviewed Chapter 466a Sec. 22a-137. "Burial of nuclear radioactive waste regulated. Certain low-level waste exempted." This statute appears to cover LLRW buried by a licensee but not compact waste. Because of this fact, we conclude that there is no statute that authorizes the regulation of LLRW for a disposal site. Likewise, we find no legislation that authorizes the regulation of uranium and thorium mill tailings.

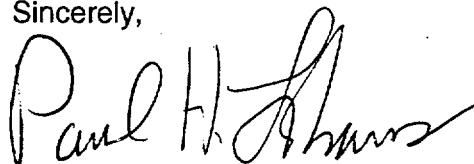
Draft Changes to Section 22a-152, Agreements with Federal Government (Section 4a)

Paragraph (a), which has no change, is sufficient to authorize the Governor to enter an Agreement with the Commission. However, we note the use of the word "delegation" in the last sentence of paragraph (b) that establishes a fee-based program. The Commission does not delegate Atomic Energy Act authority to the States. Rather, the Commission discontinues its authority and the State assumes authority to regulate radioactive materials. While NRC continues to have the responsibility to review the adequacy and compatibility of an Agreement State program under Section 274 of the Atomic Energy Act, the transfer of authority effected by the Agreement is not a delegation. We suggest that you consider substituting the phrase "the effective date of the Agreement" for "receiving full delegation."

We have no comments for Section 4b. See brackets on Enclosure 5 for our comments relevant to Section 4c.

If you have any questions, or require further information, please contact me at (301) 415-3340 or Dr. Stephen Salomon at (301) 415-2368 or SNS@NRC.GOV.

Sincerely,



Paul H. Lohaus, Director
Office of State Programs

Enclosures:
As stated

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Sincerely,

Paul H. Lohaus, Director
Office of State Programs

Enclosures:
As stated

Distribution

- DIR RF (9-193)
- SDroggitis
- DWhite, RI
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DCD (SP05)
PDR (YES)

*no legal objection
subject to comments
no fee*

***See previous concurrence.**

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Dr. Edward L. Wilds, Jr.

- 3 -

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We have no comments for Sections 4b through 4e.

If you have any questions, or require further information, please contact me at (301) 415-3340, or Dr. Stephen Salomon at (301) 415-2368 or SNS@NRC.GOV.

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Dr. Edward L. Wilds, Jr.

- 3 -

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U.S. NUCLEAR REGULATORY COMMISSION

DIRECTIVE TRANSMITTAL

TN: DT-97-15

To: NRC Management Directives Custodians

Subject: Transmittal of Directive 5.7, "Technical Assistance to Agreement States"

Purpose: Directive 5.7 is being revised to reflect a routine administrative change in the reference section, page 4 of the directive, to add the Commission's policy statement.

Office and Division of Origin: Office of State Programs

Contact: Spiros Droggitis, 415-2367

Date Approved: February 15, 1995 (Revised: October 15, 1997)

Volume: 5 Governmental Relations and Public Affairs

Directive: 5.7 Technical Assistance to Agreement States

Availability: U.S. Government Printing Office, (202) 512-2409 or e-mail internet:amcbride@gpo.gov

Technical Assistance to Agreement States

Directive 5.7

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Technical Assistance to Agreement States Directive 5.7*

Policy (5.7-01)

As authorized under Section 274 of the Atomic Energy Act of 1954, as amended, it is the policy of the U.S. Nuclear Regulatory Commission to provide technical assistance to Agreement States, as appropriate. NRC provides three types of technical assistance to Agreement States: routine, special, and programmatic (see Section (5.7-04), "Definitions"). Under usual circumstances, routine technical assistance is provided to Agreement States as a regular part of NRC's day-to-day interaction with States. Circumstances may arise, however, that require a response above the usual level of interaction. A State may not have the special technical expertise that is available to the NRC to address a particular need, or a State may experience a temporary constraint on resources. Technical assistance to an Agreement State in the latter circumstance will be on a case-by-case basis when the NRC believes that such assistance is necessary to ensure adequate protection of the public health and safety. In providing technical assistance to Agreement States, NRC will concentrate its resources on those areas that an Agreement State may not be able to address through its own expertise or contractual support for its program. All regulatory decisions remain the responsibility of the Agreement State. (011)

This management directive supersedes Office of State Programs (OSP) Internal Procedure D.12, "Special Technical Assistance," dated June 24, 1983, and recognizes the maturity demonstrated by the Agreement States in the management of their radiation control programs. This directive also describes how technical assistance to Agreement States will be provided by the NRC. (012)

*Management Directive (MD) 5.7 does not apply to technical assistance provided by NRC to both Agreement and non-Agreement States when responding to radiological emergencies under the Federal Radiological Emergency Plan (FRERP). MD 5.7 also does not apply to special circumstances in which NRC may voluntarily offer to provide technical assistance to Agreement States, for example, to help analyze and investigate a significant incident or event.

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Technical Assistance to Agreement States
Directive 5.7

Objectives

(5.7-02)

- To establish a process for determining when and if NRC should provide special or programmatic technical assistance to Agreement States. (021)
- To establish a process for determining the extent and conduct of this assistance. (022)

Organizational Responsibilities and Delegations of Authority

(5.7-03)

The Commission

(031)

Approves policy matters related to providing technical assistance to Agreement States.

Executive Director for Operations (EDO)

(032)

Provides oversight of the activities described herein.

Director, Office of State Programs (OSP)

(033)

- Coordinates the review of technical assistance requests from Agreement States with regional administrators and directors of affected program offices. (a)
- Reviews technical assistance requests to ensure that they are consistent with Commission policy and that they contain—(b)
 - Sufficient information to enable the NRC to provide an adequate technical response to the issues addressed in the State's request, such as an evaluation of the issue and, if appropriate, a proposed resolution. (i)
 - Evidence that the State had pursued alternative means of addressing the issue on its own, including attempting to obtain assistance from other agencies within the State, other Agreement States, or independent organizations such as the Conference of Radiation Control Program Directors (CRCPD), or procuring consultants or contractors. (ii)

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Technical Assistance to Agreement States
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Director, Office of State Programs (OSP)
(033) (continued)

- Coordinates any recommendations on the request and provides the agency response to the State, as appropriate. (c)
- Ensures that appropriate headquarters and regional offices have an opportunity to provide input into the development of the response to the request. (d)
- Assists office directors and regional administrators in determining the appropriate means for providing the assistance, including the level of staff involvement and the timing of the agency response. (e)
- Plans, schedules, and arranges meetings with the State to coordinate the assistance. (f)
- On assistance requests other than those received directly by a region or other offices, responds to the State, identifying an NRC contact and providing a schedule for accomplishing the assistance. (g)

**Office Directors and
Regional Administrators**
(034)

- Advise the Director, OSP, and other affected offices of initial inquiries from States about technical assistance. (a)
- Evaluate the ability of their respective offices and regions to respond to technical assistance requests from the Agreement States and provide this information to OSP. (b)
- Participate in meetings with State officials as required to clarify the assistance request and to ensure a timely and appropriate response to the request. (c)
- Approve and provide the requested assistance in the timeframe agreed upon. (d)
- When additional clarification of the request is necessary, the affected office obtains clarification either orally or in writing and prepares correspondence confirming the agreed-upon technical assistance. (e)
- Ensure that neither NRC nor its contractors and/or consultants will act in a decision-making capacity. (f)

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Directive 5.7

Definitions

(5.7-04)

Programmatic Technical Assistance. General technical assistance provided to an Agreement State that is experiencing problems of a programmatic nature. This assistance will usually involve support in the licensing and/or inspection aspects of the State's regulatory program.

Routine Technical Assistance. Technical assistance provided to Agreement States as a usual part of NRC's day-to-day interaction with Agreement States. This assistance may include, but not be limited to, the discussion of minor technical issues in licensing and compliance.

Special Technical Assistance. Technical assistance requiring specific assignment of NRC staff or consultants for a specified period and for a specific job. The appropriate regional office or the Director, OSP, will designate projects as special technical assistance projects.

Applicability

(5.7-05)

This directive applies to and must be followed by all NRC headquarters and regional employees who are responsible for accepting and responding to technical assistance requests from an Agreement State as authorized under Section 274 of the Atomic Energy Act of 1954, as amended.

References

(5.7-06)

Atomic Energy Act of 1954, as amended (42 U.S.C. 2011 et seq.).

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 48 FR 33376, July 21, 1983).

NRC "Statement of Principles and Policy for the Agreement State Program; Policy Statement on Adequacy and Compatibility of Agreement State Programs" (62 FR 46517, September 3, 1997).



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

December 12, 1997

**ALL AGREEMENT STATES
OHIO, OKLAHOMA, PENNSYLVANIA**

TRANSMITTAL OF STATE AGREEMENTS PROGRAM INFORMATION (SP-97-085)

Your attention is invited to the enclosed correspondence which contains:

INCIDENT AND EVENT INFORMATION.....

PROGRAM MANAGEMENT INFORMATION....XX CRITERIA FOR TRAINING
FUNDING ASSISTANCE FOR
AGREEMENT STATES

TRAINING COURSE INFORMATION.....

TECHNICAL INFORMATION.....

OTHER INFORMATION.....

Supplementary Information: The Commission has completed its evaluation of issues associated with NRC funding for training of Agreement State staff. As directed by the Commission in the Staff Requirements Memorandum (SRM) on DSI-4, the staff developed draft criteria for potential NRC assistance for States that demonstrate a hardship due to lack of funding for training and associated travel for their radiation control program staff. The draft staff criteria were sent to the Agreement States for comment on June 9, 1997. Comments received were addressed and the revised staff criteria were sent to the Commission on August 7, 1997 (SECY-97-183). On November 19, 1997, the Commission issued an SRM on SECY-97-183 which directed the staff to add an additional criterion to the staff criteria and to adjust the priority for student selection for the training courses. The Commission also approved the staff's proposal for addressing Agreement State requests for technical assistance on a case-by-case basis using existing guidance. The revised criteria reflecting the Commission direction are enclosed.

The SRM on SECY-97-183 indicates the additional criterion is to establish a limit on the total number of training requests that the NRC will approve for an individual State over a three year period to ensure that States do not rely upon NRC funding as a matter of routine. This number should represent an appropriate fraction of the Agreement State's training needs, and be based on the size of the Agreement State program and the projected training needs of the individual States so as to provide an equal incentive for all States to seek funding to cover their training needs independent of the NRC.

The relative priority for class admission is as follow:

Priority I NRC staff and Agreement State staff fully funded by their State.

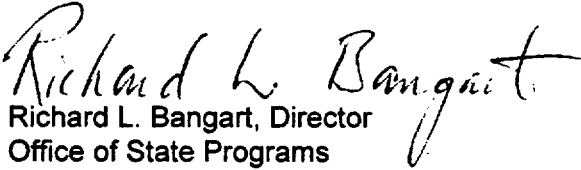
ENCLOSURE 2

- Priority II Agreement State staff for whom tuition is funded by the NRC, i.e., space available training at no tuition cost to the State, and the State would be paying travel and per diem expenses.
- Priority III Agreement State staff for whom NRC has funded tuition and travel, in whole or in part.

The NRC staff will begin using the criteria and the selection priorities immediately. Additional guidance will be issued in early 1998 specifying the process and methods for paying the tuition expense for NRC courses.

If you have any questions about this correspondence, please contact me or the individual named below.

CONTACT:	Dennis M. Sollenberger
TELEPHONE:	(301) 415-2819
FAX:	(301) 415-3502
INTERNET:	DMS4@NRC.GOV


Richard L. Bangart, Director
Office of State Programs

Enclosure:
As stated

CRITERIA TO EVALUATE AGREEMENT STATE TRAINING AND TRAVEL FUNDING NEEDS

By Staff Requirements Memorandum (SRM) dated March 19, 1997, the Commission directed the staff to develop criteria to determine when Agreement States have demonstrated that State funds are not available or cannot be used for the purposes of training, travel, and technical assistance. The direction was that the criteria should be stringent enough to provide adequate assurance to the Commission that the State has thoroughly explored funding alternatives available to the State and a determination by a high ranking State official (e.g., State agency head or chief financial officer) has been made that funds are not available. In such cases, States should also explore partial funding of costs. Such an approach must be designed to ensure that such certifications are not "pro forma" and that use of NRC-licensee funds for these purposes is in the public interest. The staff's proposals should provide for funding and should be provided to the Commission in a time frame that would allow implementation of the modified policy beginning in fiscal year 1998. Otherwise, training should be made available on a "space available" basis with Agreement States funding their own travel and per diem costs.

The staff has considered the area of technical assistance (defined for the purpose of NRC funding support as NRC inspection of Agreement State licensees or NRC completing Agreement State licensing actions) to Agreement States in the conduct of their licensing and inspection programs. Since the NRC has not been requested to provide any such direct technical assistance in the last 3 years, the staff has removed any further discussion of technical assistance from the criteria and will address any such requests on a case-by-case basis if they occur in the future. Assistance on other technical matters should be a cooperative effort among regulators and cost reimbursement is not a consideration.

The staff understanding is that, as a minimum, the NRC will make training available to the Agreement States on a space available basis with NRC funding (at least in part) for States that have met the criteria developed by the staff. Students from an Agreement State agreeing to pay tuition for attendance at NRC training courses would be considered the same as an NRC student for purposes of selection. Slots remaining after selection of NRC and Agreement State students in the above category would then be filled by Agreement State staff for whom tuition is funded by NRC and lastly by Agreement State staff for whom NRC has funded tuition and travel, in whole or in part. State staff attending on a "space available" basis would pay all travel and per diem costs, except for students from States with approved training and associated funding support from NRC.

The staff will schedule the training courses to meet NRC training needs and the needs of Agreement States that will pay any tuition, travel, and per diem costs, or will pay travel and per diem costs, or will receive NRC approved funding support for training and associated travel costs contingent on availability of funds. The staff does not plan to schedule additional courses in the future unless the demand would fill the additional courses.

The staff's approach to the development of criteria has focused on four key areas: (1) a State determination of need for training and availability of State funds to meet that need; (2) a State demonstration of need for NRC assistance in funding the State need; (3) the NRC evaluation of the State request against NRC criteria and logic diagram; and (4) the availability of NRC funds to meet the sum of the State requests. Each area is discussed in further detail below. Each request from a State would need to include information identified in items 1 and 2.

To facilitate preparation of a State request, the staff has developed a questionnaire that the State will need to complete and submit, along with the statement on availability of funds, to the NRC in order to be considered for financial assistance in the training area. A table for tracking this information is also included at the end of this document. Submission of information identified in the questionnaire, at a minimum, is necessary for NRC to make a decision on funding support.

1. DETERMINATION OF NEED FOR TRAINING

Each State should have a training program that would address items a and b below. A State should also examine a range of options or sources for fulfilling its training needs (item c below). This information should provide the basis for the State's development of a realistic estimate of their training needs and costs to accomplish their training program. The Agreement State Radiation Control Program (RCP) should use this estimate to develop their State's budget request (item d below).

Therefore, the RCP should consider and address the items listed below in determining their need for training; in estimating the funds required to meet their training needs; and in determining whether their needs, or a portion of their needs, are met by their current budget.

- a. Documented training policy and qualification requirements to include:
 - Qualification of new staff.
 - Routine training (e.g., refresher and specialty training) of existing staff.
 - Training and qualification objectives that are consistent with the objectives of NRC Inspection Manual Chapter 1246, Formal Qualification Programs in the Nuclear Material Safety and Safeguards Program Area.
- b. Training critical to performance of program:
 - Integrated Materials Performance Evaluation Program (IMPEP) finding regarding training of staff.
 - Needed to address a program weakness or deficiency.
- c. Sources of training:
 - NRC training courses, workshops and meetings.

- Has the State evaluated other alternatives to meet their training need?
- Did the State find no alternatives or the alternatives do not meet State needs?

d. Documented financial information that includes

- The number and category (e.g., new hires versus more experienced) of individuals that need specific training courses not available in-house.
- The number of courses and spaces in courses that the State can fund and those that cannot be funded given the current budget allocation for training and travel.
- The total training and travel budget approved for the RCP and the portion of this budget allocated for the radioactive materials program. This should be presented in total dollars and in the percentage of the budgeted amount and the percentage of the anticipated need.

2. DEMONSTRATION OF STATE NEED FOR NRC FUNDING

- a. The Agreement State should submit a certification by a high ranking official (agency head, chief financial officer, or an equivalent official) that funds are not available. This would need to be done each State fiscal year following the legislative approval and signing of the budget appropriation for the RCP.

This certification should include certain demonstrations by the RCP such as:

- The State has authority to spend funds on training and out-of-State travel, or has requested such authority.
 - The budget submitted to the legislature for the RCP included requests for the funds to meet the training and travel needs of the program.
 - The agency management supported the budget submittal.
 - The legislature has taken action on the budget submittal, but failed to approve the budget request in the training and travel area, or approved only a portion of this budget area.
- b. The submission of the demonstration of need will need to be done each State fiscal year, at a minimum, following the legislative approval and signing of the budget for the RCP. This would allow the maximum time for NRC planning before actual training or travel requests must be submitted. The State must submit background information used to develop their budget, if the budget does not contain a line for training and travel.
- c. The timing for the State's submission of the information needed by NRC to complete evaluation of the request should be as soon as possible after the legislature or administration approval decisions or when another unfunded training need is identified. Considerations include:

- Most State fiscal years do not coincide with the NRC fiscal year. Thus, the NRC will need to allocate funds for States based on the State fiscal year or it may leave gaps in the training for individual States.
- When a State receives a decision on their budget and funding for training and travel and they identify it's not sufficient, they will likely not have much time prior to the beginning of their fiscal year.
- Any other time they identify a training need which cannot be met or fulfilled, they will likely not have any significant lead time.

3. EVALUATION OF STATE REQUESTS/DEMONSTRATION OF NEED AGAINST NRC CRITERIA

The NRC staff would first evaluate the State's request/demonstration of need for NRC funding to confirm that the State has provided documentation that it has legal authority to spend State funds for training and travel. Requests from States that have authority, or have requested authority, would then be evaluated against a set of additional criteria. The flow diagram (see page 6) presents the logic flow to be applied. The evaluation will be made against the following criteria.

Evaluation Criteria

- a. The State has submitted a copy of its training and qualifications policy and program which documents the objectives of this policy and program are consistent with NRC Inspection Manual Chapter 1246, Formal Qualification Programs in the Nuclear Material Safety and Safeguards Program Area.
- b. The Agreement State has legal authority to spend State funds for training and travel out-of-State. In cases where an Agreement State does not have legal authority, the Agreement State has requested authority to spend State funds for out-of-State training and travel.

Agreement State programs that do not have authority to spend State funds on training and out-of-State travel, and do not request such authority, will not be funded, and would not be evaluated further. NRC would further evaluate requests from Agreement States having legal authority and Agreement States that have requested, but have been denied, authority to spend State funds for this purpose. Requests would be evaluated applying each of the additional criteria below. Amounts would be based on NRC review of the State's estimate based on their documented program.

- c. The Agreement State has requested funding to cover the required training and travel funds, but was denied funding for training and travel out-of-State, in whole or in part.
- d. The State agency head (cabinet level) or chief financial officer for the State has made and submitted a determination that State funds are not available for training and out-of-State travel, or are insufficient as described in Criterion e. below. After review, NRC

concur that funds available for out-of-State training and travel are insufficient to satisfy Agreement State program training needs.

- e. The Agreement State RCP has limited funds. Of the requested budget amount of _____ for Agreement State program training and out-of-State travel, the State funded _____, and, therefore, the RCP can fund _____ percent of its needed training and travel expenses.
- f. The limit on the amount of funding for any State will be approximately 50% of the shortfall for the essential training needs identified for the Agreement State program. The shortfall is equal to the requested budget amount minus the approved budget amount for essential training for the Agreement State program.

The NRC will evaluate each Agreement State's funding request that submits the information needed to make the above findings. The approval for full or partial funding will be limited to the State's budget period (1 or 2 years). Without submittal of new budget information, the NRC funding for training and travel for that State will terminate. The NRC will consider unanticipated training needs when fully supported by documentation and cost estimates. If the need covers several years, the need should be incorporated into the next year's budget estimate for the RCP.

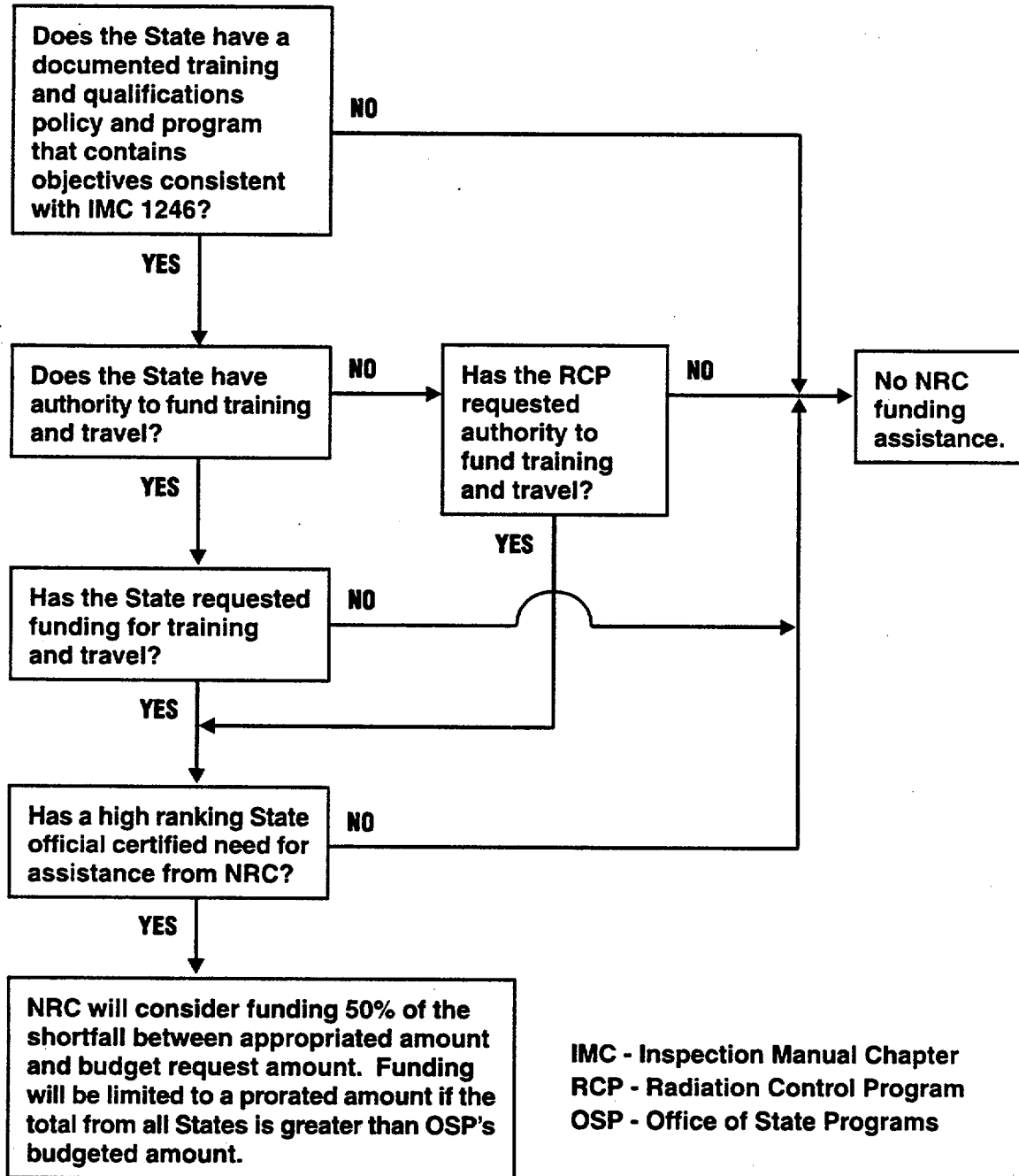
4. DETERMINATION OF AVAILABILITY OF NRC FUNDS

Approvals for NRC funding support for Agreement State training and associated travel costs will be in the form of identifying numbers of students attending designated NRC sponsored courses without the need to pay tuition. Travel costs will be paid by NRC through the approval of NRC travel authorizations and vouchers for invitational travel. If the total cost of valid requests for training and associated travel funding support from NRC exceeds the NRC budgeted amount, the approvals will be prorated using the following considerations:

- Evenness of distribution, such as assuring that all requesting States have the same or a comparable percentage of their total need satisfied.
- Urgency of need. Ranking distribution based on (1) new staff meeting minimum training requirements, (2) specialty training to meet a program deficiency, (3) special training to broaden the program depth, and (4) refresher training for experienced staff.

The NRC staff considers that the number of approvals, based on the percentage of the training need being met together with urgency of need, as the most equitable method of distribution of funds if the total need exceeds the budgeted amount. The staff intends to provide approvals on a course by course basis and will use the information submitted by the State to determine, in conjunction with the State, the highest priority courses for each State.

LOGIC FLOW DIAGRAM FOR FUNDING OF AGREEMENT STATE TRAINING AND TRAVEL



DRAFT QUESTIONNAIRE FOR AGREEMENT STATE TRAINING AND TRAVEL FUNDING

This questionnaire was developed to collect the information needed to make a decision on whether NRC will fund all or a portion of an individual Agreement State's training and/or travel needs. Please complete the following information and submit it to the contact specified below. Without this information, NRC will not be able make a decision on whether to fund your travel and training requests. Thank you for your assistance.

1. The State of _____ has/does not have a program for training and qualification of its staff that has objectives similar to those of the NRC as described in NRC Inspection Manual Chapter 1246, Formal Qualification Programs in the Nuclear Material Safety and Safeguards Area. The State should submit a copy of its training policy statement, if any, and a copy of its procedure that documents its training and qualification program. (If no training and qualification program documentation exists, the State is not eligible for NRC funding support.)

2. The State of _____ is on an annual ___ or biennial ___ budget cycle with the current fiscal year beginning on _____ and ending on _____.

3. Have you been authorized to spend State funds:
for travel to workshops out-of-State? Yes ___ No ___
for training including travel to training out-of-State? Yes ___ No ___

4. Given sufficient State funding, do State laws or regulations limit travel and training? (This question is requested to clarify the State's policy, not the funding issue.) Yes ___ No ___

5. Did you request full funding for your estimated training and out-of-State travel needs in your budget? Yes ___ No ___
Did your management support your request by submitting it to your legislature? Yes ___ No ___
Did your legislature act on your training/travel request? Yes ___ No ___
Did your legislature support your request? In full ___
In part ___
No support ___

6. What is your total Agreement State materials budget? _____

7. What was your estimate for the Agreement State training and travel needs? _____

8. What was the RCP training and travel funding request for the Agreement State program? _____

9. What was the level of funding for training and travel approved by your legislature? _____

10. Are there any special considerations that you would like NRC to consider in determining potential assistance in the training and travel areas?
Please explain below.

INFORMATION NEEDS FOR NRC DETERMINATION OF FINANCIAL ASSISTANCE IN THE TRAINING AND TRAVEL AREAS

STATE ¹	Cycle ²	ASP Bdgt ³	TRNG Est ⁴	TRNG Bdgt ⁵	% ⁶	Comments ⁷
ALABAMA	1,1,					
ARIZONA	1,M,					
ARKANSAS	2,2,					
CALIFORNIA	1,1,					
COLORADO	1,1,					
FLORIDA	1,1,					
GEORGIA	1,1,					
IOWA	1,1,					
ILLINOIS	1,1,					
KANSAS	1,1,7/1					
KENTUCKY	2,2,					
LOUISIANA	1,1,					
MAINE	1,2,					
MARYLAND	1,1,					
MASSACHUSETTS	1,1,					
MISSISSIPPI	1,1,					
NEBRASKA	1,2,					
NEBRASKA - (LLW)	1,2,					
NEVADA	2,2,					
NEW HAMPSHIRE	1,2,					
NEW MEXICO	1,1,					
NYDH	1,1,					
NYDOL	1,1,					
NYDEC	1,1,					
NYC	1,1,					
NORTH CAROLINA	2,2,					
NORTH DAKOTA	2,2,					
OREGON	2,2,					
RHODE ISLAND	1,1,					
SOUTH CAROLINA	1,1,					
SOUTH CAROLINA - (LLW)	1,1,					
TENNESSEE	1,1,					

STATE ¹	Cycle ²	ASP Bdgt ³	TRNG Est ⁴	TRNG Bdgt ⁵	% ⁶	Comments ⁷
TEXAS - BRC	2,2,7/1					
TEXAS - TNRCC	2,2,7/1					
UTAH	1,1,					
WASHINGTON	1,2,7/1					
OHIO	1,2,					
OKLAHOMA	1,1,					
PENNSYLVANIA	1,1,					

- ¹ The States listed are current Agreement States and the last three are those States which have submitted a letter of intent to become an Agreement State.
- ² This column includes the legislative cycle, the budget cycle, and the beginning date for the budget, respectively (L,B,M/D). An M in the B space indicates that the State has a mixed budget cycle and NRC needs additional information from the State to determine whether the RCP budget is on an annual or biennial cycle.
- ³ ASP Bdgt - This column is for the Agreement State Program (ASP) Budget within the Radiation Control program.
- ⁴ TRNG EST - This column is for the estimate of the training costs for the Agreement State program, submitted in the budget request to the State legislature. We recognize that this will only be a portion of the overall training costs for the RCP; however, NRC will only address this aspect of the RCP training program under this assessment.
- ⁵ TRNG Bdgt - This column contains the amount the RCP budgeted for the Agreement State program training.
- ⁶ % - This column will contain the percentage of the estimated training budget that was funded by the State. This will give the NRC a quick estimate of those States that might need assistance in funding their training, travel and technical assistance.
- ⁷ Comments - This column is reserved for comments such as special conditions or special hardships that have been identified by the State.



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

September 29, 1999

ALL AGREEMENT STATES
MINNESOTA, OKLAHOMA, PENNSYLVANIA, WISCONSIN

**TRAINING COURSE INFORMATION: TRAINING COURSE LIST FOR FISCAL YEAR 2000
(SP-99-068)**


The Nuclear Regulatory Commission (NRC) staff has updated the list of courses for fiscal year 2000 that directly relate to the Agreement State programs (Enclosure 1). The list includes the tuition costs for those courses taught by contractors. The State is responsible for the travel and per diem expenses and tuition costs, as listed, if they wish to reserve a space in a specific course. Otherwise, State staff may attend on a space available basis. If no designation is noted on the application form, we will consider the application as a space available application.

We have also enclosed the standard application form (Enclosure 2). Please complete the application form for each person attending a course and submit it to the Office of State Programs (OSP), ATTN: Brenda Usilton. Applications may be submitted at any time; however, applications should be received by OSP a minimum of at least eight (8) weeks prior to the beginning of the course. The decision to hold or cancel the course will be made at that time. Applications received after the eight week deadline will be considered if there is a cancellation by one of the students selected. This will be the case for paying applicants as well as space available applicants.

The complete list of all technical training courses can be viewed on the OSP Home page under Technical Training. All changes to the course schedule will be noted on the "What's New" area of the Home Page for a period of time. Changes for technical training courses will be made on the individual course descriptions and schedules. If you have any questions about a course schedule or content, please consult the OSP Home page.

If you have any questions regarding this correspondence, please contact me or the individual named below.

POINT OF CONTACT: Dennis M. Sollenberger INTERNET: DMS4@NRC.GOV
TELEPHONE: (301) 415-2819 FAX: (301) 415-3502


Frederick C. Combs, Deputy Director
Office of State Programs

Enclosures:
As stated

LIST OF NRC TRAINING COURSES IN FISCAL YEAR 1999

<u>Course</u>	<u>Course Title</u>	<u>Dates</u>	<u>Location</u>	<u>Cost/Student</u>
G-108	Inspection Procedures	06/19-23/00 09/11-15/00	Chattanooga, TN Chattanooga, TN	\$0
G-109	Licensing Practices and Procedures	06/05-09/00 09/18-22/00	Chattanooga, TN Chattanooga, TN	\$0
G-205	Root Cause/Incident Investigation Workshop	TBD	TBD	\$1,534
G-304	Inspecting for Performance - Materials Version	TBD	TBD	\$265
H-109	Applied Health Physics	03/06-04/07/00	Oak Ridge, TN	\$7,125
H-111	Environmental Monitoring for Radioactivity	06/12-16/00	Oak Ridge, TN	\$1,542
H-117	Introductory Health Physics	07/17-21/00	Rockville, MD	\$0
H-119	Air Sampling For Radioactive Materials	06/5-9/00	Oak Ridge, TN	\$1,542
H-121	Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)	10/19-21/99 04/19-21/00	King of Prussia, PA Rockville, MD	\$1,250
H-201	Health Physics Technology	10/25-11/05/99 04/24-05/05/00	Chattanooga, TN Chattanooga, TN	\$0
H-304	Diagnostic and Therapeutic Nuclear Medicine	03/20-24/00 08/07-11/00	Houston, TX Houston, TX	\$1,925
H-305	Safety Aspects of Industrial Radiography	05/08-12/00 08/14-18/00	Niantic, CT Niantic, CT	\$905
H-308	Transportation of Radioactive Materials	04/10-14/00 06/26-30/00	Chattanooga, TN Chattanooga, TN	\$675
H-312	Internal Dosimetry and Whole Body Counting	TBD	Chattanooga, TN	\$TBD
H-313	Teletherapy and Brachytherapy	03/13-17/00 08/14-18/00	Houston, TX Houston, TX	\$1,925
H-314	Safety Aspects of Well Logging	05/01-05/00	Houston, TX	\$0
H-315	Irradiator Technology	10/18-22/99 TBD/00	Montreal, Canada	\$1,500 Est. \$1,750

CHRONOLOGICAL LISTING OF NRC TRAINING COURSES FOR FY 1999

<u>Dates</u>	<u>Course</u>	<u>Course Title</u>	<u>Location</u>	<u>Cost/Student</u>
10/18-22/99	H-315	Irradiator Technology	Montreal, Canada	\$1500
10/19-21/99	H-121	Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)	King of Prussia, PA	\$1,250
10/25-11/05/99	H-201	Health Physics Technology	Chattanooga, TN	\$0
03/06-04/07/00	H-109	Applied Health Physics	Oak Ridge, TN	\$7,125
03/13-17/00	H-313	Teletherapy and Brachytherapy	Houston, TX	\$1,925
03/20-24/00	H-304	Diagnostic and Therapeutic Nuclear Medicine	Houston, TX	\$1,925
04/10-14/00	H-308	Transportation of Radioactive Materials	Chattanooga, TN	\$675
04/19-21/00	H-121	Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)	Rockville, MD	\$1,250
04/24-05/05/00	H-201	Health Physics Technology	Chattanooga, TN	\$0
05/01-05/00	H-314	Safety Aspects of Well Logging	Houston, TX	\$0
05/08-12/00	H-305	Safety Aspects of Industrial Radiography	Niantic, CT	\$905
06/05-09/00	G-109	Licensing Practices and Procedures	Chattanooga, TN	\$0
06/05-09/00	H-119	Air Sampling for Radioactive Materials	Oak Ridge, TN	\$1,542
06/12-16/00	H-111	Environmental Monitoring for Radioactivity	Oak Ridge, TN	\$1,542
06/19-23/00	G-108	Inspection Procedures	Chattanooga, TN	\$0
06/26-30/00	H-308	Transportation of Radioactive Materials	Chattanooga, TN	\$675
07/17-21/00	H-117	Introductory Health Physics	Rockville, MD	\$0
08/07-11/00	H-304	Diagnostic and Therapeutic Nuclear Medicine	Houston, TX	\$1,925
08/14-18/00	H-305	Safety Aspects of Industrial Radiography	Niantic, CT	\$905
08/14-18/00	H-313	Teletherapy and Brachytherapy	Houston, TX	\$1,925
09/11-15/00	G-108	Inspection Procedures	Chattanooga, TN	\$0
09/18-22/00	G-109	Licensing Practices and Procedures	Chattanooga, TN	\$0

APPLICATION FOR TRAINING COURSE/WORKSHOP
(Please Type)

Date: _____

A. To be completed by Applicant

1. Title of Course/Workshop: _____ Dates: _____

2. Name of Applicant: _____

Business Address: _____

Business Telephone No.: _____

Business FAX Telephone No.: _____

4. Applicant's Current Title: _____

Description of current duties: _____

5. List any previous training in health physics.

B. To be completed by the State Radiation Control Program Director

1. Please provide a brief statement indicating why you want this individual to attend this course.

2. Does attendance at this course require the approval of another agency or management official? If so, please have the official also sign the application.
3. By submitting this application, you are confirming that State funds are available for travel and per diem expenses.
4. For Courses/Workshops that have a tuition charge, the State agrees to pay tuition:

_____ Yes, in the amount of _____ . Please send invoice or bill to (If different from Program Director):

_____ No, the student will attend on a space available basis.

Signature of Radiation Control
Program Director

The completed application should be sent to:

Brenda Usilton
Mail Stop O-3C10
Office of State Programs
U.S. Nuclear Regulatory Commission
Washington, DC 20555

or FAXED to Office of State Programs: 301-415-3502
or E-mail to BGU@NRC.GOV



OSP Procedure Approval

Reviewing a Request for an Agreement - SA-700

DRAFT - November 29, 1999

Issue Date:

Expiration Date:

Paul H. Lohaus
Director, OSP

Date:

Frederick C. Combs
Deputy Director, OSP

Date:

Richard L. Blanton
Procedure Contact, OSP

Date:

NOTE

The OSP Director's Secretary is responsible for the maintenance of this master copy document as part of the OSP Procedure Manual. Any changes to the procedure will be the responsibility of the OSP Procedure Contact. Copies of OSP procedures will be distributed for information.



Procedure Title:
Reviewing a Request for an Agreement
Procedure Number: SA-700 (DRAFT)

Page: 1 of 11
Draft Date:
November 29, 1999

1. INTRODUCTION

The Atomic Energy Act authorizes NRC to enter Agreements that transfer regulatory authority over certain materials to the States. The Governor of a State initiates the transfer by requesting an Agreement.

This procedure describes the objectives and processes for reviewing the request for an Agreement. It also provides guidance to:

- NRC staff on the formal procedural steps necessary to review a Governor's request for an Agreement,
- NRC staff on the criteria for evaluating a State's proposed Agreement materials program, and
- State staff on the information to include in a request for an Agreement.

As used in this procedure, the term "State" refers to either a State or a Commonwealth. However, staff should take care to use the proper term in the Agreement, *Federal Register* notices, and other official records.

II. OBJECTIVE

- A. Assure that each new Agreement is consistent with the provisions of the Act, Commission policy, NRC Management Directives, and other statutory, regulatory or policy requirements;
- B. Provide for the effective, efficient, and timely review of the request by a State for an Agreement, or for an amendment to an existing Agreement; and
- C. Provide an orderly transition in the discontinuance of regulatory authority by the NRC and assumption thereof by the State.

III. BACKGROUND

A. The Act and Agreements

Section 274 of the Act allows the Commission and a State to enter an Agreement under certain conditions. Under the Agreement, the Commission discontinues regulatory authority over the specified categories of materials. The State concurrently assumes regulatory authority for those materials.

The categories of materials that NRC may transfer are: (a) by-product materials as defined in Section 11e.(1) of the Act; (b) by-product materials as defined in Section 11e.(2) of the Act; (c) source materials as defined by Section 11z of the Act; (d) special nuclear materials (as defined in Section 11aa of the Act) in quantities not sufficient to form a critical mass (as defined in 10 CFR 150.11); (e) the regulation of the land disposal of byproduct, source, or special nuclear material wastes received from other persons; and (f) 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 the regulations or orders of the Commission. The State may choose to assume regulatory authority over any combination of the categories.

Before the Commission may approve the Agreement, the State must have a program for the control of radiation hazards. The program must be adequate to protect public health and safety with respect to the materials specified in the Agreement. It must also be compatible with the Commission's program for the regulation of the materials. To distinguish this program from other radiation control activities of the State, we call it the Agreement materials program.

The Governor must certify that the State has the required program and desires to assume the regulatory authority. A comprehensive description of the Agreement materials program should accompany the certification. The certification and description together make up the request for an Agreement. The information in the description must enable the Commission to find the State program adequate and compatible.

B. The State Agreement Materials Program

An Agreement State program has two basic components. The first component is a set of laws and regulations that provides the program's framework. In accord with Commission policy, the term "regulations" may include other forms of generic legally binding requirements. These alternate requirements may include license conditions or

orders, as authorized by State law.

The second component is an effective organizational and administrative structure to execute and enforce the laws and regulations. The administrative structure includes implementing and operating procedures, and guidance for licensees and the program staff.

The organizational structure may be a single State agency, a part of an agency, or portions of two or more agencies. In this procedure, the term "Agreement materials program" includes all organizational units with regulatory responsibility over the materials specified in the Agreement.

C. NRC Staff Actions

The NRC staff evaluates the State's Agreement materials program as described in the request for an Agreement. Simultaneously, it prepares a written assessment of the program. The assessment provides the basis for a finding by the Commission that the program is adequate and compatible. The assessment should show that the program satisfies the Commission 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 on July 16, 1981 (46 FR 36969), and July 21, 1983 (48 FR 33376). The assessment should also give NRC confidence that if the State implements the program as presented, a review of the program pursuant to NRC Management Directive 5.6, *Integrated Materials Performance Evaluation Program* (IMPEP), will likely find the State satisfactory for all applicable indicators.

IV. ROLES AND RESPONSIBILITIES

- A. The Director, OSP, is responsible for the agency's review of a request for an Agreement. The Director determines when the request satisfies the criteria policy statement, and recommends Commission approval of the request.
- B. The OSP project manager (PM) is responsible for the completion of the Agreement, and is the primary NRC staff contact for the State during the review. The PM is the review team leader.
- C. The review team is responsible for conducting the staff evaluation of the request according to this procedure. The team consists of the PM, the designated staff contacts

from other NRC offices¹, and other NRC staff as assigned.

- D. The Regional State Agreements Officer (RSAO) usually is the lead NRC contact for a State before it submits a letter of intent to seek an Agreement. After the State submits a letter of intent, the RSAO usually coordinates contacts between the State and the Region licensing and inspections staffs. The Regional State Liaison Officer (RSLO) usually is the backup. The RSAO and RSLO should keep OSP informed of these contacts.
- E. The Region and the Office of Nuclear Materials Safety and Safeguards are responsible for transferring NRC licensee files to the State (NRC Management Directive 3.53). The PM should be kept informed of these co-ordinations.

V. GUIDANCE

For detailed guidance on reviewing the request (both draft and formal), including a model schedule and documentation requirements, see Appendix A - *Handbook for Reviewing a Request for an Agreement*.

A. Preparing a Request for an Agreement

When preparing a request for an Agreement, the State should consider the guidance in this procedure and Appendix A. The program description should address the program elements listed in Section 4 of Appendix A. For each program element, the State should provide information for each category of materials requested in the Agreement.

B. Governor's Letter of Intent

The Governor should send a letter to the Chairman declaring the State's intent to seek an Agreement. The letter should indicate a commitment of State resources to seeking an Agreement. Based on this commitment, NRC plans for the review and commit its resources.

Response to LOI

C. Draft Request for an Agreement (see section 3.4 of Appendix A)

- 1. The State Agreement materials program Director should submit a draft of the State's request for an Agreement. The Director should notify the PM at least two

¹ Office of Nuclear Materials Safety and Safeguards, Office of General Counsel, the Incident Response Organization, and the affected Region.

months before submitting the draft.

Acknowledgment
letter from PM

2. The Director, OSP, asks the Offices to designate staff level contacts for the review team. The team should be qualified to find that the State would be satisfactory in all applicable indicators on an IMPEP review. The PM should qualify as team leader, and other team members should qualify as reviewers for each program element they review.
3. The draft request should contain a draft letter of certification, and program description information for all applicable elements of the State Agreement materials program.
4. The team reviews the draft request for completeness. To be complete, the program description information must address all applicable program elements. Printed and photocopied documents must be legible. Information in electronic form must be readable by the agency computer resources.
5. The team prepares a letter to the State program Director to document the result of the completeness review. The Director, OSP, signs the letter after the other Offices concur.
6. The PM and the State program Director should schedule telephone conference calls and meetings as needed.
7. The State should address the agency's comments as changes in the formal request. The State program Director should not submit a second draft, or changes to the draft, unless coordinated with the Director, OSP. When the State completes the changes to the formal request, the Governor should sign and submit it to the Chairman.

D. Formal Request for an Agreement (see section 3.5 of Appendix A)

1. The State program Director should notify the PM of the expected date that the formal request will be submitted. The PM prepares a letter for signature by the Chairman acknowledging receipt of the request.
2. If the State did not submit a draft request, a review team is assembled as described above. The team should first conduct a completeness review of the formal request following the guidance in section V.C, above.

3. A review team conducts a detailed evaluation of the formal request following the procedures and criteria in section 4.0 of Appendix A.
4. If the team identifies deficiencies in the formal request, it prepares a letter to the State program Director providing comments. The Director, OSP, signs the letter after the other Offices concur. The State should address the comments as revisions to the formal request.

E. Work in Parallel with the Review of the Formal Request

1. The team prepares a draft staff assessment addressing individually each criterion in the criteria policy statement.
2. The team prepares a *Federal Register* notice that announces the proposed Agreement and briefly describes the State's Agreement materials program. Include a summary of the draft staff assessment. The *FR* notice should discuss any unique features of the proposed Agreement. Attach the text of the proposed Agreement, with a proposed effective date. The Director, OSP, usually signs the *FR* notice.
3. The team, in coordination with the Office of Public Affairs, prepares a draft press release. The press release announces the publication of the proposed Agreement in the *Federal Register*.
4. The team, in coordination with the Office of Congressional Affairs, prepares draft Congressional letters. The letters notify NRC's Oversight Committees and the State's delegation of the publication of the proposed Agreement. Enclose a pre-publication copy of the *FR* notice.
5. The team prepares a negative consent Commission paper.
 - a. The paper should state that staff intends to forward the *Federal Register* notice for publication ten days after the Executive Director for Operations (EDO) signs the paper, unless the Commission directs otherwise.
 - b. The paper must include, as attachments:
 - (1) the draft staff assessment,
 - (2) the proposed *Federal Register* notice (including the proposed Agreement and summary of the draft staff assessment).

- c. The paper must also include, as background:
 - (1) the draft Congressional letters,
 - (2) the draft press release, and
 - (3) the Project Schedule for processing, signing, and implementing the Agreement (see Appendix A section 3.4.1).

- 5. The team prepares letters notifying interested Federal agencies, and the existing Agreement States, of the *Federal Register* notice.

F. Publication of the Proposed Agreement

When the formal request satisfies the criteria policy statement, the team completes the Commission paper. The PM prepares a transmittal memo from the Director, OSP, transmitting the paper to the other Offices for concurrence.

- 1. Following Office concurrence, the Director, OSP, forwards the paper to the EDO for signature and transmittal to the Commission.
- 2. After the 10-day negative consent period, the Office of the Secretary (SECY) issues a Staff Requirements Memorandum (SRM). When the requirements of the SRM are satisfied, the OSP Director signs the *FR* notice. It is forwarded to the Rules Review and Directives Branch, Office of Administration. The Congressional letters accompany the notice. Rules Review and Directives Branch will forward the letters to the Office Congressional Affairs.
- 3. Upon publication, OSP attaches a copy of the notice to the letters notifying the Agreement States and the interested Federal agencies. The OSP project manager informs the Office of Public Affairs that the *Federal Register* notice has been published.

G. End of the public comment period

When the comment period closes, the review team prepares an analysis of the public comments and a Commission paper seeking approval of the Agreement. The team prepares the final staff assessment, considering the public comments.

- 1. Required attachments to the paper are:
 - a. final text of the proposed Agreement;

- b. a draft *Federal Register* notice announcing the approval and signing of the Agreement;
 - c. the final staff assessment;
 - d. the staff's analysis of the public comments;
 - e. a completed copy of the General Accounting Office form providing the notifications required under the Small Business Regulatory Enforcement and Fairness Act of 1996 (SBREFA).
2. Include, as background to the paper:
- a. proposed letters to NRC's Congressional Oversight Committees and the State's Congressional delegation announcing the approval and signing of the Agreement; and
 - b. a draft press release announcing the Agreement.
3. The paper must contain a brief discussion of staff coordination to resolve incomplete escalated enforcement actions and 2.206 petitions against licensees that will transfer. The paper should summarize outstanding orders, and Confirmatory Action Letters. It should also discuss the status of any SDMP or other sites in decommissioning. It should note how we provided information to the State regarding previously licensed sites. If allegations or investigations are in progress, the paper should so state, but give no details.
4. The NRC and State staffs agree on the effective date for the Agreement. The OSP project manager inserts the date into the Agreement text.
5. The Governor has the choice of signing the Agreement at a formal ceremony or signing by correspondence. The OSP project manager consults with the State Director to learn the Governor's choice. The project manager also learns the format of the Governor's signature block, and if the State wishes to add a seal.
- a. If the Chairman and Governor will hold a formal signing ceremony, the date, time and place of the ceremony are arranged. The OSP project manager coordinates with the State staff and, through the EDO, with the Chairman's office.

- b. If the Agreement is to be signed by correspondence, the place at which the Chairman signs is Rockville, Maryland. The place at which the Governor signs is the State capitol, unless the State specifies another location.
- c. If the Agreement is to be signed by correspondence, the OSP project manager requests that the State Director provide instructions for delivery of the Agreement to the Governor for signature.

H. Commission approval of the Agreement

1. The project manager assembles the Commission paper and attachments for concurrence.
2. The OSP Director forwards the Commission paper to the EDO following Office concurrence.
3. When the Commission approves the Agreement:
 - a. The OSP Director forwards the Congressional letters, and three copies of the SBREFA form, to the Office of Congressional Affairs. Address the forms by filling the appropriate box at the top. Attach a copy of the draft *FR* notice to each form.
 - b. The OSP project manager inserts the date of Commission approval (the date of the SRM) into the Agreement.
4. The OSP project manager prepares three official copies of the Agreement for signature.

I. Signing of the Agreement

1. If the Chairman and Governor will sign the Agreement at a formal ceremony:
 - a. The three copies of the Agreement are put into individual binders.
 - b. The OSP project manager coordinates with SECY to place the NRC seal on each copy before the ceremony.
 - c. After signing, the Governor is given one copy of the Agreement. The other two are returned to the OSP project manager.

2. If the Agreement is signed by correspondence:
 - a. The OSP project manager coordinates with SECY to place the NRC seal on each copy of the Agreement.
 - b. The OSP project manager coordinates with EDO and the Chairman's office to arrange for the Chairman to sign all three copies of the Agreement.
 - c. The OSP project manager sends all three copies of the Agreement to the State in accordance with the State instructions requested in section V.G.4.c, above. After the Governor signs the Agreement, the State retains one copy and returns the others to the OSP.
3. The OSP project manager delivers one copy of the signed Agreement to SECY. OSP retains the other copy in the Agreements file.

J. Implementation of the Agreement

1. The OSP Director forwards the *Federal Register* notice, as approved in the SRM, to the Rules Review and Directives Branch of the Office of Administration. Section 274e.(2) of the Atomic Energy Act requires publication of the *FR* notice within 30 days after the Agreement is signed.
2. The Region and NMSS transfer the license files to the new Agreement State. NRC Management Directive 3.53 and internal Office procedures guide the transfer. The transfer should be completed before the Agreement takes effect.
3. The OSP project manager alerts the Office of Public Affairs to issue the press release announcing the effective Agreement.
4. The OSP project manager prepares letters announcing the effective date of the Agreement. Letters go to interested Federal agencies, NRC material licensees, and all Agreement and non-Agreement States. The OSP Director signs the letters. The OSP project manager provides the new Agreement State program director copies of the announcements.

K. After the Agreement is effective

1. When the Agreement becomes effective, the OSP project manager is usually re-designated as the Agreement State Project Officer (ASPO) for the State (OSP

procedure SA-117).

2. Approximately nine months after the Agreement becomes effective, the ASPO and the RSAO meet with the State Agreement materials program management. The meeting is to discuss the State's implementation of the Agreement materials program. (OSP procedure SA-116).
3. Approximately 18 months after the Agreement becomes effective, the first IMPEP review is conducted. (NRC Management Directive 5.6)
 - a. The first IMPEP review evaluates the initial performance of the State program.
 - b. The first review should not be scheduled for earlier than approximately 18 months after the Agreement becomes effective. If scheduled earlier, the State may not have completed enough regulatory actions to support an IMPEP finding.

VI. APPENDICES

Appendix A - *Handbook for Reviewing a Request for an Agreement*

VII. REFERENCES

1. Sections 11 and 274 of the Atomic Energy Act of 1954, as amended.
2. Commission 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 on July 16, 1981 (46 FR 36969), and July 21, 1983 (48 FR 33376).
3. NRC Management Directive (MD) 3.53, *NRC Records Management Program*, June 15, 1995
4. NRC Management Directive (MD) 5.6, *Integrated Materials Performance Evaluation Program (IMPEP)*, November 25, 1997.
5. NRC Management Directive (MD) 5.8, *Proposed 274b Agreements With States*, November 21, 1997
6. OSP Procedure SA-116, *Periodic Meetings with Agreement States Between IMPEP*

Reviews, September 3, 1998

7. *OSP Procedure SA-117, Agreement State Project Officers, September 11, 1998*

Handbook for Reviewing a Request for an Agreement

DRAFT of NOVEMBER 29, 1999

Date

**Office of State Programs
U.S. Nuclear Regulatory Commission**

Contact: Richard L. Blanton

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Appendix A

Table showing the program elements, information required from the State, Policy Statement Criteria, and References from Section 4 of the Handbook

1. INTRODUCTION

1.1 Purpose

This handbook provides guidance for responding to a State request for an Agreement. NRC staff should use the handbook for guidance in reviewing the request, or for an amendment to an existing Agreement. The State that is requesting an Agreement should use the handbook for guidance in preparing its request.

1.2 Scope

A request for an Agreement consists of a formal statement by the Governor and a comprehensive description with supporting information. This handbook addresses the supporting information that the State should include, and the criteria that NRC staff uses to evaluate it. The staff must be able to reach a general conclusion that the information satisfies the Commission's review criteria.

Section 2 of the handbook addresses the statutes and policies that form the basis for the guidance in the handbook.

Section 3 provides the detailed steps in the procedure followed by NRC staff to evaluate the request.

Section 4 addresses the specific supporting information needed to evaluate each element of the State's program. It provides specific criteria for evaluating the information, and relates these criteria to the Commission's Criteria Policy Statement. It also provides references to NRC and other documents related to the program element.

2. BASIS OF THE GUIDANCE

The guidance in this handbook is based on the requirements of law, Commission Policies, NRC Management Directives, NRC Inspection Manual Chapters and Inspection Procedures, and Office of State Programs (OSP) Procedures. We describe each in more detail below.

2.1 Statutory Requirements

2.1.1 Federal Statutes

The Commission conducts the Agreement State program under Section 274 of the Atomic Energy Act of 1954, as amended. Section 274b authorizes the Commission to enter an Agreement with the Governor of a State. Section 274c of the Act specifies those regulatory authorities that must be reserved to NRC. Sections 274d through 274g specify the Commission

actions and obligations with respect to the Agreements. A State that proposes to regulate 11(e).2 byproduct material is subject to additional requirements in Section 274o. It must also comply with the applicable requirements of the Uranium Mill Tailings Radiation Control Act (UMTRCA).

2.1.2 State Statutes

Agreement States do not regulate materials for the NRC. NRC discontinues, and the State assumes regulatory responsibility. Each Agreement State administers an independent regulatory program. The State agency designated to conduct the Agreement materials program must have authority under State law to discharge its functions. The legal authority required depends on the categories of materials that we transfer to the State in the Agreement. Section 4.1 of this handbook contains details on the required provisions of State statutes.

2.2 Commission Policy Statements

2.2.1 Criteria for Guidance of States and NRC in Discontinuance of NRC Regulatory Authority and Assumption Thereof by States Through Agreement (48 FR 33376, 7/21/83)

The criteria policy statement describes the specific requirements that a State must meet for the Commission to approve an Agreement. It also provides the basis for the NRC staff assessment of the State's proposed Agreement materials program. The criteria in the policy statement are incorporated into section 4 of the handbook. A State program that meets the criteria policy statement requirements is determined to be adequate and compatible.

The first 28 criteria in the policy statement apply to all proposed Agreement State materials programs. The last seven criteria apply only to States that will regulate the tailings materials from, and operation of, uranium and thorium mills.

2.2.2 Statement of Principles and Policy for the Agreement State Program (62 FR 46517, 9/3/97)

This policy statement describes the overall principles, objectives, and goals of the Commission's Agreement State Program. NRC staff, when reviewing a request for an Agreement, must consider these principles, objectives, and goals.

2.2.3 Policy Statement on Adequacy and Compatibility of Agreement State Programs (62 FR 46517, 9/3/97)

This policy defines the terms "adequate" and "compatible." The policy identifies the basic program elements necessary for an adequate State program. It establishes five categories of

compatibility with criteria for each. NRC uses the basic program elements, and compatibility criteria, in IMPEP reviews and in this handbook.

2.3 Directives and Procedures

2.3.1 NRC Management Directive 5.6, *Integrated Materials Performance Evaluation Program (IMPEP)*

Management Directive (MD) 5.6 provides the process and criteria for evaluating the performance of both Agreement State and the NRC regional materials programs. The NRC staff assessment of a request for an Agreement must conclude that the State's proposed program, if implemented as described, would likely be found satisfactory in all applicable IMPEP performance indicators.

2.3.2 NRC Management Directive 5.8, *Proposed 274b Agreements With States*

MD 5.8 provides guidance on drafting a proposed Agreement. Handbook 5.8 includes a model Agreement. The State should draft its proposed Agreement based on the model. NRC does not require the State to follow the model strictly. However, changes from the model will require additional supporting information. We must evaluate the changes to assure the compatibility of the proposed Agreement program. Significant changes will require special approval by the Commission.

2.3.3 NRC Management Directive 8.8, *Management of Allegations*

MD 8.8 provides the NRC policy and procedures for managing allegations of wrongdoing by licensees and others. The States are not required to adopt MD 8.8, but should adopt a generally similar procedure as appropriate to the Agreement materials program.

2.3.4 NRC Management Directive 5.9, *Adequacy and Compatibility of Agreement State Programs*; and OSP Procedure SA-200, *Compatibility Categories and Health and Safety Identification for NRC Regulations and Other Program Elements*

MD 5.9 provides the process and criteria used to identify the compatibility categories of the NRC program elements. It implements the *Policy Statement on Adequacy and Compatibility of Agreement State Programs*. OSP Procedure SA-200 documents the results of the process. The Appendix to SA-200 lists each NRC regulation and program element and its compatibility category.

2.3.5 OSP Procedure SA-201, *Reviewing State Regulations*

Procedure SA-201 describes the process used by the OSP staff to review Agreement State regulations. A State seeking an Agreement must submit copies of its regulations for review. The State may adopt generic legally binding requirements in place of regulations, if permitted by the State's administrative procedures. If the State adopts generic legally binding requirements in place of regulations, it must submit the requirements for review.

2.3.6 OSP Procedure SA-300, *Reporting Materials Events*

The handbook to SA-300 provides the process an Agreement State should follow to report information about materials events in the State to NRC. Both immediate reporting procedures and follow-up reporting procedures are included.

3.0 REVIEW PROCEDURES

3.1 General Considerations

3.1.1 Proprietary and Privacy Information

Normally, States should not need to submit proprietary information or information subject to the federal Privacy Act, or a State equivalent. All information needed to support a request for an Agreement should be in the public records of the State. NRC can protect proprietary or Privacy Act information if the State meets the requirements of 10 CFR Part 9. Before submitting information that the State believes should be withheld from public disclosure, the State program Director should discuss the matter with the Director of the NRC Office of State Programs (OSP Director).

3.1.2 Schedule for Processing the Agreement

Table 1 gives a model schedule for reviewing a request for an Agreement that is based on recent experience. The actual time required to review a request depends on the resolution of issues unique to each Agreement. The team should start with the model schedule and update it periodically.

The effective date of the Agreement is usually selected jointly by NRC and the State. A proposed date should consider the time required for the review, to sign the Agreement, and to transfer the files. This usually requires about nine months after the State submits the formal request.

TABLE 1 - MODEL PROCESSING SCHEDULE for NEW AGREEMENTS

<u>Event</u>	<u>Event time</u> <u>Weeks</u>	<u>Elapsed times</u> <u>Weeks</u>
Part 1 - Review of the Request for an Agreement		(27)
Receipt of draft request	0	0
Offices establish review team	3	3
Team concludes completeness review	3	6
A completeness comment letter mailed ¹	3	9
Receipt of formal request	8	17
Team review of formal request finished	8	25
Team completes negative consent Commission Paper, including draft staff assessment and FR notice	2	27
Part 2 - FR publication & public comment period		(16)
NRC Offices concur on Commission Paper	3	30
EDO sends Paper to Commission	2	32
Commission gives negative consent	2	34
First publication in FR	1	35
Public comment period ends	4	39
Team analyzes comments; completes final assessment	4	43
Part 3 - Final processing and Commission approval		(15)
NRC Offices concur on final assessment and paper	3	46
EDO signs paper	2	48
Commission SRM approving Agreement	4	52
Effective date of Agreement	4	56

¹presumes 2 week office concurrence

3.1.3 Form of the Request

The State may submit the request as electronic files or on paper. The request should be complete, including the Governor's letter of certification and all supporting information. Electronic files may be in image format such as PDF files, or in text format such as WordPerfect. NRC is setting up the capability to accept electronic files by Internet. The State should contact the OSP project manager for further information on this capability.

If the State wants to submit the request on paper, it should submit one complete copy. NRC will scan the request into the Agency Document Access and Management System (ADAMS) for distribution to the review team. Photocopies of State laws, statewide procedures, etc., are acceptable if the quality of the copy is good enough to be scanned.

3.1.4 Questions

Questions about the program elements, review process, criteria, or progress of the review should be directed to the OSP project manager. The State may contact the team members directly about comments on specific program elements. Alternately, the question will be forwarded to the team member for response.

3.2 Expression of Interest

In response to requests for information or an expression of interest in becoming an Agreement State, the NRC staff should provide, or confirm that the State has, the following:

- a. Copies of Sections 11 and 274 of the Act;
- b. Copies of the *Suggested State Radiation Control Act*, published by the Council of State Governments;
- c. Copies of the Commission policy statements: *Criteria for Guidance of States and NRC in Discontinuance of NRC Regulatory Authority and Assumption Thereof by States Through Agreement*; *Policy Statement on Adequacy and Compatibility of Agreement State Programs*; and *Principles and Policy for the Agreement State Program*;
- d. Copies of Management Directive 5.6, *Integrated Materials Performance Evaluation Program (IMPEP)*; Management Directive 5.8, *Proposed 274b Agreements with States*; and Management Directive 5.9, *Adequacy and Compatibility of Agreement State Programs*; and

e. Copies of OSP Procedures SA-200, *Compatibility Categories and Health and Safety Identification for NRC Regulations and Other Program Elements*; SA-201, *Reviewing State Regulations*; and SA-700, *Reviewing a Request for an Agreement*.

Normally, the RSAO or RSLO is the NRC staff lead for responding to informal questions and requests for additional information. The RSAO or RSLO should request assistance of other NRC staff as necessary. The State should submit questions regarding Commission policy or practice in writing to the OSP Director.

3.3 The Letter of Intent

3.3.1 Content of Letter

A Letter of Intent is a written declaration by the Governor that the State is committing its resources to seeking an Agreement. The letter should designate a State contact person.

3.3.2 Response to Letter

When NRC receives a letter of intent, the Deputy Director assigns an OSP staff member to be the project manager (PM).

3.3.2.1 Acknowledgment Letter

The PM prepares a response letter acknowledging receipt of the letter of intent. The response letter should be prepared for the signature of the Chairman.

3.3.2.2 State Preparation of the Request for an Agreement

The PM tracks the progress of the State in preparing the request for an Agreement. The PM provides current information about the State's progress to other NRC staff for budget development and work planning.

3.4 The Draft Request

3.4.1 Prenotification and Project Schedule

When the State indicates that a draft request is forthcoming, NRC establishes a review team. See section **IV.B** in procedure SA-700 for the makeup of the review team. The PM selects a principal reviewer for each program element. The PM organizes a Project Schedule for completing the Agreement.

We specify milestones in this handbook in terms of "elapsed weeks," based on the model "Processing Schedule for New Agreements" in Table 1. Starting with the model schedule, the PM should organize a Project Schedule with suspense dates correlated to "elapsed weeks."

3.4.2 Review of the Draft Request

The team conducts a completeness review of the draft request using the evaluation criteria in Section 4.0. The completeness review discovers whether the program description information addresses each of the applicable program elements.

3.4.2.1 Completeness Evaluation

Each principal reviewer evaluates the completeness of the assigned program element. Other team members may help in evaluating the completeness of elements. The evaluation should be completed by the end of elapsed week 3.

3.4.2.2 Team Meeting

The team meets during elapsed week 4 to discuss the findings of their completeness review. The PM reserves use of a conference room for the full week. Team members should concur on the completeness of each program element. The team briefs the Director, OSP, on the completeness review findings at the end of elapsed week 4.

3.4.2.3 Review Products

If the draft request is incomplete, the team holds a conference call with the State staff. The team should hold a meeting with the State staff if requested.

The team drafts a letter to the State Director. If the draft request is complete, the letter should show that NRC staff believes the request is ready for submission. If the draft request is incomplete, the letter includes the team's comments. The letter should be ready for Office concurrence by the end of elapsed week 6.

3.4.3 Telephone Conference Calls

The PM, RSAO, and the State program director or other designated State staff contact should establish a schedule of periodic telephone conference calls. Subjects of the conference calls should include progress of the review, issues identified during the review, and additional information needed. Participants should include the PM, RSAO, review team members, and the State program director or other designated State contact. Other NRC and State staff should

participate as appropriate. Plan the calls for every other week to start, then adjust the schedule as needed.

3.4.4 Meetings and Visits

The PM and the RSAO should visit the State offices to gain first-hand knowledge of the State facilities and staff. If practical, coordinate the visit with the State's receipt of the completeness review letter. This will give the State an opportunity to discuss the NRC's comments in preparation for formulating the formal request. The State program director and senior State staff members should visit both the NRC regional and headquarters offices. Other meetings should supplement the telephone conference calls.

3.4.5 Inspection and Licensing Staff Contacts

State inspectors should accompany NRC inspectors during inspections of the NRC licensee facilities that will transfer to the State. State license reviewers should work with NRC license reviewers on actions for licenses that will transfer to the State. Since these activities will usually take place in the State or the Regional Offices, the RSAO should coordinate them.

3.5 The Formal Request for an Agreement

3.5.1 Project Schedule Adjustment

The Model Processing Schedule in Table 1 allots eight weeks for the State to prepare and submit the formal request. This is an estimate of the time required based on experience. It is not a requirement. The State should submit the formal request as soon as practical. The PM should adjust the Project Schedule to reflect the actual date OSP receives the formal request.

3.5.2 Review of the Formal Request

The team conducts a detailed review of the program description information in formal request. The same team that reviewed the draft request for completeness should also review the formal request. However, the team may change the program element principal reviewer assignments if needed.

3.5.2.1 Principal Review

Each principal reviewer conducts a detailed evaluation of an element of the proposed program. Other team members may help in evaluating the element. Team members may discuss their questions about the formal request directly with the State staff. Using the evaluation criteria in Section 4.0, the principal review should be completed by the end of elapsed week 23.

3.5.2.2 Major Issues

A major issue is one that raises questions about the adequacy or compatibility of the proposed State program. On identification of a major issue, the reviewer notifies the PM immediately. The PM alerts the Director, OSP, and schedules a meeting of the team to discuss the issue. After the meeting, the team briefs the Director, OSP, then notifies the State program director. The team arranges a meeting or conference call to discuss the issue with the State staff.

3.5.2.3 Team Findings and the Draft Assessment

During elapsed week 24 the team meets to discuss their findings and prepare the draft staff assessment. The PM should reserve a conference room for two weeks. Team members should concur on the findings for each program element. If the request satisfies the evaluation criteria for a program element, the team drafts assessment text for the relevant criteria in the criteria policy statement. The full draft assessment should be completed by the end of elapsed week 25.

3.5.3 Transmission of Comments to the State

If the request does not satisfy a criteria policy statement criterion, the team generates a comment. Each comment should describe the issue and, where practical, provide guidance to resolve the issue. The team may also offer suggestions for strengthening the program. The team should make suggestions verbally to the State staff, but should not include suggestions in written correspondence.

If needed, the team prepares a letter transmitting its comments on the formal request. The letter is from the Director, OSP, to the State program director. The letter should be completed by the end of elapsed week 25.

The State should address the comments by submitting revised pages or sections to the formal request. When the team receives the revisions, it reviews only the revisions.

3.5.4 Completion of the Review

When the team concludes that the criteria policy statement is satisfied, it completes the draft staff assessment and the Commission paper. Procedures for the publication of the proposed Agreement, and for the approval, signing, and implementation of the final Agreement are provided in sections V.F through V.K of procedure SA-700.

4.0 INFORMATION NEEDED AND EVALUATION CRITERIA

The information supplied in a request for an Agreement must support two findings by the Commission. First, the information must show that the State has a radiation control program that is adequate to protect public health and safety. Second, it must also show that the program is compatible with the NRC materials program.

The staff assessment documents the evaluation of the information by the review team. The assessment should describe how the program satisfies the Commission's criteria. Appendix A shows the relationship between the program elements and the criteria in tabular form.

4.1 Legal elements

The Atomic Energy Act does not permit the Commission to delegate its authority to the States. Under the Act, the Agreement States are independent regulators. Each State program must derive its authority from its own State law.

4.1.1 Authority to Establish a Program and Enter an Agreement

State laws should provide specific elements of authority to the Agreement materials program. In 1983, the Council of State Governments published a generic model Radiation Control Act in *Suggested State Legislation*, Volume 42. States may, but are not required to, use the suggested State legislation as models for their own laws.

4.1.1.1 Information Needed

The State should submit the State laws that:

- a. establishes the materials program and defines its structure.
- b. authorizes the Governor to enter an Agreement with the Commission.
- c. authorizes the program to issue licenses.
- d. authorizes the program to impose additional requirements.
- e. authorizes the program to give exemptions from the licensure requirements.
- f. authorizes the program to recognize the licenses of other jurisdictions.

- g. makes it unlawful to acquire, possess, store, use, transfer, or dispose of materials without a valid license, or to violate the conditions of a license.
- i. authorizes the program to adopt regulations.
- j. specifies the procedures and requirements for adoption of regulations, including public participation.
- k. allows the program to impose requirements in the form of other generic legally binding requirements, such as orders.
- l. authorizes representatives of the program to enter premises and conduct inspections.
- m. authorizes the program to require compliance with regulatory requirements by both licensees and unlicensed individuals.
- n. authorizes the program to impose sanctions for violations of the regulations, orders, or license conditions.

The State should submit the law that authorizes the regulation of a low-level radioactive waste disposal site. The team needs this only if the Agreement will cover land disposal sites.

The State should submit the law that authorizes the regulation of uranium and thorium mill tailings. The team needs this only if the Agreement will cover the regulation of byproduct material as defined in section 11e.(2) of the Act.

4.1.1.2 Evaluation Criteria

The team may use the Council of State Governments suggested legislation as guidance. The State is not required to follow either the content or the format of the model legislation. However, see section 4.1.1.4 if the Agreement will cover section 11(e).2 byproduct material.

The State must resolve any questions of interpretation of State law. NRC will accept interpretations provided by the State Attorney General, or other attorney designated as legal advisor to the materials program.

State law must authorize the Governor to enter the Agreement. It must also designate a radiation control agency and provide it the necessary legal authority to be effective. [1,24]²

State law must not create duplications, gaps or conflicts in regulation. This includes duplications, gaps or conflicts between the State and NRC, State agencies, or State and local agencies. The law must not seek to regulate materials or activities reserved to NRC. [21, 24]

State law must authorize issuing licenses as the means of giving the authority to possess and use materials. It should also authorize the reciprocal recognition of specific licenses issued by NRC or other Agreement States. [13, 27]

State law should authorize the use of license conditions to address matters unique to the licensee. The law should allow license conditions to impose additional requirements when required to protect public health and safety. If the law restricts the use of license conditions, the State should show that they can provide adequate protection under the restrictions. The protection should be at least equivalent to using license conditions and orders. [12]

The law should permit exemptions from licensing requirements if the exemptions do not adversely affect public health and safety. This should include exemption from the requirement to obtain a license. The law should authorize exemptions from licensing substantially equivalent to the following (or may be in regulations): [28]

- a. Prime contractors working for the U.S. Department of Energy (DOE) at U.S. Government-owned or controlled sites;
- b. Prime contractors researching, developing, manufacturing, storing, testing, or transporting atomic weapons or components;
- 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 subcontractors) of DOE or NRC when the State and NRC jointly determine (i) that the terms of the contract provide adequate assurance that the contractor can accomplish the work without undue risk to public health and safety and (ii) that the law authorizes the exemption.

² The numbers in brackets indicate the numbered criteria in the criteria policy statement that are addressed by the evaluation criteria statement.

The law must authorize the materials program to enforce regulations or generic legally binding requirements other than regulations. The law may authorize another agency (such as a board of health) to adopt the regulations. When appropriate, the law should provide for public participation. [19, 23]

The law must authorize inspections of licensee operations to ensure compliance with regulatory requirements. It should authorize inspections of unlicensed facilities to assess the risk resulting from accidents or environmental releases of materials. The law should permit access at all reasonable times. [17]

The law must provide authority to take prompt enforcement action, and should provide a variety of legal sanctions. The law should provide authority to suspend licenses and to impound materials. In cases of an imminent threat to public health and safety, the law should authorize immediate suspension without prior hearing. [19, 23]

The law should authorize suspension or revocation of a license for repeated or continued noncompliance. The authority to suspend or revoke a license may be conditioned on a prior administrative or judicial hearing. The program should also have authority to seek injunctive relief, and refer licensees for criminal prosecution. The program should, but is not required, to have authority to impose civil or administrative monetary penalties. We do not require States to use the same sanctions as NRC. [19, 23]

4.1.1.3 Additional Evaluation Criteria for Low-level Waste Agreements

The law must authorize appropriate restrictions on land ownership and use for an indefinite period after closure of the site.

4.1.1.4 Additional Evaluation Criteria for 11e.(2) Byproduct Material Agreements

The law should clearly empower the program to carry out the requirements of the Uranium Mill Tailings Radiation Control Act (UMTRCA). Specifically, the law should:

- a. Authorize the program to regulate 11e.(2) byproduct material. [29]
- b. Authorize the program to require licensees to provide a financial surety arrangement. The arrangement should assure that sufficient funds will be available to cover the costs of both decommissioning and long-term surveillance and maintenance. [29]
- c. Require the program, before issuing an 11e.(2) byproduct material license, to do the following:

- (1) give notice of the proposed licensing action and accept written comments during a public comment period, [29]
- (2) prepare a written environmental analysis, [31]
- (3) hold a public hearing with a transcript and cross examination, [29]
- (4) prepare a written decision based on evidence presented during the public comment period. The decision must be subject to judicial review, [29]
- (5) ban major construction before the completion of the written environmental analysis.

d. Require the program to provide an opportunity for public participation through written comments or public hearings during rulemaking. The law should must also make rules subject to judicial review. [29]

e. Require the program, before terminating an 11e.(2) byproduct material license, to do the following:

- (1) transfer funds collected for decommissioning and long-term surveillance and maintenance to the United States. The law must require this transfer when custody of the disposal site transfers to the United States. Funds transferred must include all funds collected from a licensee or its surety. The only exceptions are funds collected for decommissioning if it is completed. [29]
- (2) choose whether or not to take title to the disposal site and byproduct material. [30]
- (3) obtain a determination from the Commission that all applicable standards are satisfied. [30]

Since the following authorities are reserved to the NRC under UMTRCA, the State law must **not**: [30]

- a. Authorize the program to establish minimum requirements governing the decommissioning or long-term surveillance and maintenance of the disposal site.
- b. Authorize the program to grant exemptions to the land ownership transfer requirements.
- c. Authorize the program to find that a licensee has complied with the standards and requirements for terminating a license.

- d. Authorize the program, after terminating the license, to require monitoring, maintenance, or emergency measures, for the materials or the site.
- e. Authorize the program to permit use of the surface or subsurface estate of the disposal site.

4.1.1.5 References

- a. Criteria Policy Statement, criteria 1, 9b, 12, 13, 17, 19, 21, 23, 24, 27, 28, 29, 30, and 31
- b. Council of State Governments *Suggested State Legislation*, 1983
- c. *Statement of Principles and Policy for the Agreement State Program* (62 FR 46517, 9/3/97)

4.1.2 Organization of the Proposed Program

The organization of a materials program provides the basic structure and resources to conduct the program activities. The program organization thus influences the ability of the program to protect public health and safety against radiation hazards.

4.1.2.1 Information Needed

The State should submit a concise narrative description of the materials program. The description should reflect the applicable program elements in section 4 of this handbook. It should contain cross-references the appropriate sections of the supporting information.

Organization charts should accompany the description, showing all organizational levels between the Governor and the director of the program. They should also show the organizational structure of the program itself. The State should submit a copy of each MOU that will affect the materials program.

4.1.2.2 Evaluation Criteria

The program design must address all elements required to cover the materials in the Agreement. The State may divide the program elements among separate agencies. In this case, the State must submit copies of the MOU's describing the responsibilities of each agency. MOU's should also describe the efforts to assure cooperation. The organization charts should clearly show the position of the program within the State government structure. [1, 24, 33]

The program organization charts should show both the technical staff and support staff positions. They should show positions assigned to the program both full-time and part-time. If the program uses the resources of another agency, the program narrative description should detail the

relationship. The narrative description should also discuss any use of contract services and advisory bodies. (NOTE: the criteria for evaluation of the technical staff are in section 4.6.1) [1]

4.1.2.3 References

- a. Criteria Policy Statement, criteria 1, 24, and 33
- b. Program descriptions of existing Agreement States (from IMPEP reports or previous Agreement requests)
- c. NRC Management Directive 5.9, *Adequacy and Compatibility of Agreement State Programs*
- d. OSP Procedure SA-200, *Compatibility Categories and Health and Safety Identification for NRC Regulations and Other Program Elements*, Appendix B

4.1.3 Content of the Proposed Agreement.

An Agreement may transfer to a State the authority to regulate any one or more of the following materials within the State:

- a. Byproduct materials as defined in section 11e(1) of the Atomic Energy Act,
- b. Byproduct materials as defined in section 11e(2) of the Atomic Energy Act,
- c. Source materials,
- d. Special nuclear materials, in quantities not sufficient to form a critical mass.

In addition, an Agreement may transfer to a State the specific authority to conduct one or more of the following activities, which otherwise remain under NRC jurisdiction:

- a. The regulation of the land disposal of byproduct, source, or special nuclear waste materials received from other persons,
- b. 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 the regulations or orders of the Commission.

MD 5.8 contains a standard Agreement format and text. The standard Agreement is based on the transfer of all categories of materials (a so called "full Agreement"). Agreements that do not

transfer all of the categories should delete the appropriate provisions as shown in MD 5.8, Handbook.

4.1.3.1 Information Needed

The State should submit a proposed Agreement. The Agreement should contain the categories of materials and specific authorities that the State wants to regulate.

The Agreement should follow the format and content of the standard Agreement in Exhibit 1 of MD 5.8, Handbook. If the State does not follow the standard Agreement, it must explain why. The explanation should describe the intent and the expected effect of the deviation.

4.1.3.2 Evaluation Criteria

The proposed Agreement must be consistent with the purpose of section 274 of the Atomic Energy Act. It must promote an orderly pattern of regulation. Nothing in it may create a duplication, conflict, or gap in the nationwide program for the regulation of materials. [27]

The Agreement should be consistent with the format and content of the standard Agreement in MD 5.8. The State should delete or modify articles in the standard Agreement only as shown in MD 5.8. Any other change requires additional information describing the need for the change and the expected result. Such changes may require separate approval by the Commission. The information submitted must provide a basis for the Commission to approve the change. [26, 27]

The Agreement must transfer regulatory authority over all licensees in each category of materials listed in the Agreement. The Commission must separately approve the retention of licensees within a transferred category. If the Agreement does not include all categories of materials and specific authorities, it should include the paragraph on amendments. [27]

4.1.3.3 References

- a. Criteria Policy Statement, criteria 26, and 27
- b. NRC Management Directive 5.8, *Proposed 274b Agreements With States*

4.2 Regulatory Requirements Program Elements

Agreement States may use NRC regulations as models for their regulations. The State may also use the *Suggested State Regulations (SSR)*, published by the Conference of Radiation Control Program Directors (CRCPD). The State may adopt the regulatory requirements in a State specific format.

4.2.1 Standards for Protection Against Radiation

The standards for protection against radiation include:

- a. the dose limits for occupationally exposed persons and members of the public.
- b. constraints and limits on the concentration and quantity of materials released to the environment.
- c. technical definitions and terminology, units of radioactivity and radiation dose, and radiation symbols, labels and warning signs.

4.2.1.1 Information Needed

The State should submit its regulations, or generic legally binding requirements, that prescribe the standards for protection against radiation.

If the State wants to regulate the disposal of low level radioactive waste at a land disposal site, it should submit its regulation equivalent to 10 CFR 61.41.

4.2.1.2 Evaluation Criteria

The State standards for protection against radiation must satisfy the criteria for compatibility category A. The criteria are given in the Handbook to MD 5.9. OSP Procedure SA-200, Appendix A, lists the equivalent NRC regulations. [2, 3, 5, 6, 9a, 11, 22]

The standards must apply to all categories of materials covered by the Agreement. They should also apply to all other sources of radiation regulated by the State. [2]

The standards must require consideration of the total occupational dose to individuals. [4]

If the State adopts generic legally binding requirements other than regulations, it should assure consistency in their application. The requirements should not confuse either the licensees or the regulatory program staff. The State must show that the alternative requirements are legally binding under State law.

4.2.1.3 References

- a. Criteria Policy Statement, criteria 2, 3, 4, 5, 6, 9a, 11, and 22
- b. NRC Management Directive 5.9, *Adequacy and Compatibility of Agreement State Programs*

- c. OSP Procedure SA-200, *Compatibility Categories and Health and Safety Identification for NRC Regulations and Other Program Elements*, Appendix A
- d. Title 10 CFR Parts 20, 30, 35, 40, 61, 71, and 150
- e. Conference of Radiation Control Program Directors, *Suggested State Regulations*

4.2.2 Regulatory Requirements with Significant Transboundary Implications

The regulatory requirements with significant transboundary implications are:

- a. regulations that affect the movement of materials across State borders.
- b. certain other regulations, such as the limits for quantities and concentrations of materials exempt from licensing, and the waste classification scheme in 10 CFR Part 61.

4.2.2.1 Information Needed

The State should submit its regulations, or generic legally binding requirements, that prescribe the regulatory requirements with significant transboundary implications.

4.2.2.2 Evaluation Criteria

The State regulations that may have significant effect across jurisdictional boundaries must satisfy the criteria for compatibility category B. The criteria are given in the Handbook to MD 5.9. OSP Procedure SA-200, Appendix A, lists the equivalent NRC regulations. [6, 9a, 10]

4.2.2.3 References

- a. Criteria Policy Statement, criteria 6, 9a, and 10
- b. NRC Management Directive 5.9, *Adequacy and Compatibility of Agreement State Programs*
- c. OSP Procedure SA-200, *Compatibility Categories and Health and Safety Identification for NRC Regulations and Other Program Elements*, Appendix A
- d. Title 10 CFR Parts 20, 30, 34, 39, 40, 70, 71, and 150
- e. Conference of Radiation Control Program Directors, *Suggested State Regulations*

4.2.3 Regulatory Requirements Needed for an Orderly Pattern of Regulation or Which Have Particular Health and Safety Significance

The regulatory requirements needed for an orderly pattern of regulation or which have particular health and safety significance are:

- a. regulations whose essential objectives are needed to prevent undesirable consequences. Examples of such consequences are given in MD5.9, Handbook, Part II, section C.
- b. regulations needed for health and safety. Examples are given in MD5.9, Handbook, Part II, section E.

4.2.3.1 Information Needed

The State should submit its regulations, or generic legally binding requirements, that apply the essential objectives of the NRC regulations designated compatibility category C or D/H&S.

If the State wants to regulate uranium and thorium mill tailings, it should submit a copy of its requirements equivalent to 10 CFR Part 40, Appendix A..

4.2.3.2 Evaluation criteria

The State regulations or generic legally binding requirements needed for an orderly pattern of regulation, or which have particular health and safety significance, shall satisfy the criteria for compatibility category C. The criteria are given in the Handbook to MD 5.9. OSP Procedure SA-200, Appendix A, lists the equivalent NRC regulations. [1, 7, 8, 11, 32]

4.2.3.3 References

- a. Criteria Policy Statement, criteria 1, 7, 8, 11, and 32
- b. NRC Management Directive 5.9, *Adequacy and Compatibility of Agreement State Programs*
- c. OSP Procedure SA-200, *Compatibility Categories and Health and Safety Identification for NRC Regulations and Other Program Elements*, Appendix A
- d. Title 10 CFR Parts 19, 20, 30, 31, 32, 34, 35, 36, 39, 40, 61, 70, 71, and 150
- e. Conference of Radiation Control Program Directors, *Suggested State Regulations*

4.3 Licensing Program Elements

A State may adopt technical licensing procedures modeled on the NRC procedures, or those used by an existing Agreement State. The review team should be able to conclude that the State's technical licensing procedures will be protective of public health and safety.

Nontechnical administrative procedures are usually not key contributors to program performance. The review team usually reviews samples of these procedures. The team only needs to conclude that the State has written administrative procedures for licensing, and that they contain no obvious major defects.

4.3.1 Procedures for the Technical Evaluation of Proposed Uses of RAM

The technical procedures address the health physics issues necessary to assure the safe storage and use of the licensed materials. They do not address license fees, license file maintenance, or other materials program administrative issues.

4.3.1.1 Information needed

The State should submit its technical licensing procedures. If not part of the procedure, the State should include standard review plans, checklists, and licensing guides.

4.3.1.2 Evaluation criteria

The procedures should assure a thorough and equitable evaluation of the application. The procedures should cover each type license (by program code) for which an NRC licensee will transfer to the State. Guidance documents, or copies of the procedures, should be available to license applicants. [1, 13, 23]

The procedures should:

- a. address the applicant's facilities and safety equipment, training and experience in the use of the materials for the purpose requested, and proposed managerial controls. [13]
- b. provide for information exchange between the program's inspection staff and licensing staff, as appropriate. [1]
- c. specify the required qualifications of license reviewers for each license program code. Alternately, the procedures may reference a staff qualification plan.

The team may use NRC procedures and consolidated guidance to evaluate the State procedures. However, we do not require States to adopt the NRC procedures and consolidated guidance. The State procedures should provide the same level of detail as the equivalent NRC procedure. They should address all significant technical issues.

Properly qualified persons (normally licensed physicians) must direct the medical use of materials. Qualifications should include prescribed minimum training and experience in the medical use of radioisotopes or radiation. The training requirements should be similar to those in 10 CFR Part 35. [15]

State procedures should provide guidance for the evaluation of technical issues in license applications. The issues evaluated include: places and conditions of storage; places and conditions of use, and decommissioning of facilities and equipment. Evaluation of the places of storage and use should address environmental considerations. [13, 14]

State procedures for evaluating the conditions of storage and use should address security against unauthorized removal, and safety equipment. Procedures for evaluating the conditions of use should address the following: [13]

- a. qualification of users.
- b. licensee operating and emergency procedures.
- c. appropriate surveys.
- d. personnel monitoring under the close supervision of technically competent individuals.
- e. preparations for transport.

Procedures for evaluating decommissioning should address decontamination, disposal, and any restrictions on the future uses of the property. The procedures should also address funding and sureties. [13]

In licensing research and development, medical uses, or other activity involving multiple uses of materials, the State may issue broad scope licenses without evaluating each specific use. [13]

4.3.1.3 References

- a. Criteria Policy Statement, criteria 1, 13, 14, 15, 20, and 23

- b. NRC Management Directive 5.6, *Integrated Materials Performance Evaluation Program (IMPEP)*
- c. OSP Procedure SA-104, *Reviewing Common Performance Indicator #4, Technical Quality of Licensing Actions*
- d. NUREG-1556, *Consolidated Guidance About Materials Licenses* (all volumes)
- e. Decommissioning specific: MARSSIM, DG-4006, NUREG-0241, NUREG-5849

4.3.2 Procedures for the Evaluation of Radiation Safety Information on Sealed Sources or Devices, and Registration for Distribution

Sealed sources, and devices containing sealed sources, are commonly manufactured in one jurisdiction and used in others. Because of the transboundary implications, safety evaluations of the sources and devices should be conducted according to similar procedures nationwide.

4.3.2.1 Information Needed

The State should submit its procedure for evaluating radiation safety information on sealed sources and devices (SS&D).

If the State will use contractor assistance in the evaluation, its procedures for the quality assurance of contractor performance should be submitted.

4.3.2.2 Evaluation Criteria

The State procedures should be essentially identical to the equivalent NRC procedures with respect to: [13]

- a. technical issues evaluated.
- b. technical criteria used to decide the adequacy of the safety information provided.
- c. use of a concurrence review.
- d. content and format of the registration sheets.

For additional criteria, see the IMPEP SS&D indicator (non-common performance indicator 2) in MD 5.6, Handbook (dated November 25, 1997 or later).

The review team may use NRC's consolidated guidance about applications for sealed source and device evaluation and registration in NUREG-1556, Volume 3, as a guide.

4.3.2.3 References

- a. Criteria Policy Statement, criterion 13
- b. NUREG-1556, *Volume 3, Consolidated Guidance About Materials Licenses: Applications for Sealed Source and Device Evaluation and Registration*

4.3.3 Procedure for Conducting the Technical Evaluation of a Proposed License for a Low-level Radioactive Waste Land Disposal Site

The technical evaluation of a land disposal site for low-level radioactive waste has significant health and safety implications. It requires substantial resources beyond those needed for conducting routine licensing evaluations. If the State will regulate a site, it should have the resources and procedures to conduct a site evaluation, even if NRC will transfer an established site.

If NRC will not transfer a licensed site or an application for a site license, and there is no reasonable expectation of an application for a license being submitted in the foreseeable future, the State may assume the authority without having the resources and procedures in place. In this case, information showing that the State has the authority to acquire the resources and adopt appropriate procedures before undertaking the evaluation of an application, accompanied by the conceptual description of the program, is sufficient.

4.3.3.1 Information Needed

The State should submit a concise description of its program for regulating a land disposal site. The description should include a discussion of the resources available to the program. The State should also submit its procedures for conducting the technical evaluation.

If the State proposes to use contractor assistance in the evaluation, procedures for the quality assurance of contractor performance should be submitted.

4.3.3.2 Evaluation Criteria

The State procedures should contain the same level of detail as the NRC procedures in NUREG-1200. However, we do not require the procedures to be identical if they address all significant objectives. The State procedures should be consistent with the NUREG with respect to the following: [9, 13]

- a. technical issues evaluated.
- b. qualifications of the personnel performing evaluations.
- c. assuring the quality of the licensing action.

4.3.3.3 References

- a. Criteria Policy Statement, criteria 9, and 13
- b. NUREG-1199, NUREG-1200, NUREG-1300, NUREG-1274

4.3.4 Procedure for Conducting the Technical Evaluation of a Proposed Uranium or Thorium Recovery Facility

The technical evaluation of a uranium or thorium recovery facility has significant health and safety implications. It requires substantial resources beyond those needed for conducting routine licensing evaluations. If the State will regulate a site, it should have the resources and procedures to conduct a site evaluation, even if NRC will transfer an established site.

If NRC will not transfer a licensed site or an application for a site license, and there is no reasonable expectation of an application for a license being submitted in the foreseeable future, the State may assume the authority without having the resources and procedures in place. In this case, information showing that the State has the authority to acquire the resources and adopt appropriate procedures before undertaking the evaluation of an application, accompanied by the conceptual description of the program, is sufficient.

4.3.4.1 Information Needed

The State should submit a concise description of its program for regulating 11(e).2 byproduct material. The description should include a discussion of the resources available to the program. The State should also submit its procedures for conducting the technical evaluation.

If the State will use contractor assistance in the evaluation, it should submit procedures for assuring the quality of contractor performance.

4.3.4.2 Evaluation Criteria

The State procedures should contain the same level of detail as the equivalent NRC procedures. However, we do not require the procedures to be identical to ours if they address all significant

technical issues. The State procedures should be consistent with the NRC procedures with respect to the following: [35]

- a. technical issues evaluated.
- b. qualifications of the personnel performing evaluations.
- c. assuring the quality of the licensing action.

4.3.4.3 References

- a. Criteria Policy Statement, criterion 35
- b. NRC Uranium Recovery Program Policy and Guidance Directives

4.3.5 Procedures for the Assuring the Technical Quality of Licenses

Secondary review of license applications adds value to, and helps assure the integrity of, the application evaluation process. Peer and supervisory review are commonly used. Larger programs may use a committee to conduct reviews of selected application evaluations recently completed. Other forms of effective quality assurance are acceptable.

4.3.5.1 Information Needed

The State should submit its procedures that address peer review, supervisory review, and any other method to assure the quality of licensing actions.

4.3.5.2 Evaluation Criteria

The State should have written licensing procedures that provide some form of review for licensing quality. We do not prefer a particular form or method. The procedures should reflect the organization of the State program and any special requirements of State law. [1, 13]

4.3.5.3 References

- a. Criteria Policy Statement, criteria 1, and 13
- b. NRC Management Directive 5.6, *Integrated Materials Performance Evaluation Program (IMPEP)*

c. OSP Procedure SA-104, *Reviewing Common Performance Indicator #4, Technical Quality of Licensing Actions*

4.3.6 Administrative Licensing Procedures

The routine operation of the program requires administrative processing of licenses beyond the technical evaluations. Written procedures describing the administrative processing steps are useful to assure that all procedural requirements are completed. They may become critical if there is an unexpected turnover of senior staff.

NRC and the State should arrange the transfer to produce the least interference with licensed activities or the processing of license applications. Generally, States recognize transferred NRC licenses, including licenses under timely renewal, as State licenses. They continue those licenses in effect until they issue State licenses as replacements.

4.3.6.1 Information Needed

The State should submit its administrative procedures for licensing. The procedures should address the following:

- a. receipt of licensing actions.
- b. assignment of licensing actions to technical evaluators.
- c. license document preparation.
- d. tracking of action progress.
- e. the signing of completed licenses.
- f. transmittal of the signed license to the licensee.
- g. license file maintenance.

The State should describe its arrangements for continued authorization of NRC licensed activities as they transfer to the State.

4.3.6.2 Evaluation Criteria

The State should have program specific written procedures to guide licensing program staff. The procedures should reflect the program organization and any special requirements of State law

(i.e., who can sign licenses). Since these procedures do not require a thorough review, the team may review a selected sampling of the procedures instead. [1]

The State should provide for the continued operation of transferred NRC licensees. [25]

4.3.6.3 References

- a. Criteria Policy Statement, criteria 1, and 25

4.4 Inspection Program Elements

A State may adopt technical inspection procedures modeled on IMC 2800, or the procedures of an existing Agreement State.

Nontechnical administrative procedures, such as a procedure for assigning inspections to inspectors, are usually not key contributors to program performance. The review team usually reviews samples of these procedures. The team only needs to conclude that the State has written administrative procedures for inspections, and that they contain no obvious major defects.

4.4.1 Procedures for Inspecting Facilities Where Ram Is Stored or Used

The technical inspection procedures should address the scheduling of inspections and the different kinds of inspections (i.e., routine, reactive, etc.). They should also address the performance of inspections. The technical procedures should not address administrative matters, such as inspection fees.

The technical procedures should address the form and guidance for inspection reports. They should also address giving notice to the licensee of whether or not it is in compliance.

The technical procedures should address field instrumentation and laboratory analysis. Calibration and quality assurance should be included.

4.4.1.1 Information Needed

The State should submit inspection procedures, including inspection report formats, checklists, status reports, etc. Procedures submitted should cover all NRC license program codes of licensees that will transfer to the State.

The State should also submit its priority schedule for inspections by program code.

4.4.1.2 Evaluation Criteria

The State should perform inspections following written procedures that address inspection activities appropriate to the category of licensee being inspected. [1]

The State should relate inspection frequency to the amount and kind of material and type of operation licensed. Routine inspections should not be less frequent than NRC inspections as listed in IMC 2800, enclosure A. [16]

Inspection procedures should provide for information exchange between the inspection staff and the licensing staff, as appropriate. [1]

The team may use NRC inspection procedures as guidance to evaluate the State inspection procedures. The State procedures should provide approximately the same level of detail as the equivalent NRC procedure. However, the procedures are not required to be uniform if they address all significant technical issues. We do not require states to adopt the NRC procedures.

The procedures should provide guidance on the use of both field and laboratory instrumentation to ensure the licensee's control of materials and to validate the licensee's measurements. The State should submit a list of its instrumentation for review. The procedures should include instrumentation calibration. [16, 36]

If the Agreement covers section 11(e).2 byproduct material, the procedures should also: [36]

- a. provide the capability for quantitative and qualitative analysis of radionuclides associated with natural uranium and its decay chain, primarily; U-238, Ra-226, Th-230, Pb-210, and Rn-222, in a variety of sample media such as will be encountered from an environmental sampling program.
- b. provide analysis and data reduction from laboratory analytical facilities within 30 days of submittal. State acceptability of quality assurance (QA) programs should also be established for the analytical laboratories.
- c. provide arrangements for a large number of samples in a variety of sample media resulting from a major accident to be analyzed in a time frame that will allow timely decisions to be made regarding public health and safety.
- d. provide arrangements to participate in the Environmental Protection Agency quality assurance program for laboratory performance.

The procedures should provide the notice to the licensee in a short period, usually within 30 days after the inspection. [18]

4.4.1.3 References

- a. Criteria Policy Statement, criteria 1, 16, 18, and 36
- b. NRC Management Directive 5.6, *Integrated Materials Performance Evaluation Program (IMPEP)*
- c. OSP Procedures SA-101, *Reviewing Common Performance Indicator #1, Status of Materials Inspection Program*; and SA-102, *Reviewing Common Performance Indicator #2, Technical Quality of Inspections*
- d. NRC Inspection Manual Chapters 1220, and 2800
- e. NRC Inspection Procedures 87101 through 87120

4.4.2 Procedures for Assuring the Technical Quality of Inspections and Inspection Reports

Secondary review of inspection reports adds value to, and helps assure the integrity of, the inspection process. Peer and supervisory review are commonly used. Larger programs may use a committee to conduct reviews of selected inspections recently completed. Other forms of effective quality assurance are acceptable.

4.4.2.1 Information Needed

The State should submit its procedures addressing peer review, supervisory review, and any other method to assure the quality of inspections and inspection reports.

4.4.2.2 Evaluation Criteria

The State should also have written procedures to guide program staff. We do not prefer any particular form or method. The procedures should reflect the organization of the State program and any special requirements of State law. [1, 16]

4.4.2.3 References

- a. Criteria Policy Statement, criteria 1, and 16

- b. NRC Management Directive 5.6, *Integrated Materials Performance Evaluation Program (IMPEP)*
- c. OSP Procedure SA-102, *Reviewing Common Performance Indicator #2, Technical Quality of Inspections*
- d. NRC Inspection Manual Chapter 2800

4.4.3 Administrative Procedures for Inspections

The routine operation of the program requires administrative processing of an inspection report after the inspector has written it. Written procedures describing the administrative processing steps are useful to assure that all procedural requirements are completed. They may become critical if there is an unexpected turnover of senior staff.

4.4.3.1 Information Needed

The State should submit its inspection program administrative procedures.

4.4.3.2 Evaluation Criteria

The State should have program specific written procedures. The procedures should reflect the organization of the State program and any special requirements of State statute (i.e., public disclosure or confidentiality). [1]

Since these procedures do not require a thorough review, the team may review a selected sampling of the procedures instead.

4.4.1.3 References

- a. Criteria Policy Statement, criterion 1
- b. NRC Inspection Manual Chapter 2800

4.5 Enforcement Program Elements

A State may adopt enforcement procedures modeled on the NRC procedures, or those used by another Agreement State. The routine procedures include a notice of the violation to the licensee. Escalated enforcement procedures supplement routine enforcement procedures, and are for serious or repeated violations.

4.5.1 Routine Enforcement Procedures

Routine enforcement procedures describe the actions the program takes in response to a violation of a regulatory requirement that is not serious in nature, and is not a repeated violation.

4.5.1.1 Information Needed

The State should submit its procedures for routine enforcement.

4.5.1.2 Evaluation Criteria

The State should have procedures for assuring the fair and impartial administration of regulatory law. They should scale the actions to the seriousness of the violation. [23]

The procedures should establish standard methods of communicating sanctions to the licensee. The State should give written notice using standardized wording and format. Legal counsel should review the wording and format. [18]

The procedures should include a means for tracking the completion of enforcement actions. [1]

4.5.1.3 References

- a. Criteria Policy Statement, criteria 1, 18, and 23
- b. NUREG-1600
- c. NRC Inspection Manual Chapter 2800

4.5.2 Escalated Enforcement Procedures

For serious or repeated violations of regulatory requirements, the program should use escalated enforcement. Escalated enforcement actions usually supplement the routine actions. Escalated enforcement actions may include:

- a. administrative or civil monetary penalties.
- b. the modification, suspension, or revocation of the license.
- c. referral for criminal prosecution.

4.5.2.1 Information Needed

The State should submit its procedures for escalating enforcement actions.

4.5.2.2 Evaluation Criteria

The State should scale the sanctions in escalated enforcement cases to the seriousness of the violation. The sanctions should be more severe than routine enforcement. [23]

The procedures should address notifying the licensee of proposed escalated enforcement actions. The notice should be written, using standard wording and format when practical. [18, 19]

The enforcement program element manager, or higher, should sign notices of escalated enforcement. [23]

Escalated enforcement actions should be coordinated with legal counsel. [19]

4.5.2.3 References

- a. Criteria Policy Statement, criteria 18, 19, and 23
- b. NUREG-1600
- c. NRC Inspection Manual Chapter 2800

4.6 Technical Staffing and Training Program Elements

The State should adopt technical staffing standards similar to NRC's standards. The State may adopt training and qualification procedures modeled on NRC's procedure in IMC 1246, or on the report of the OAS/NRC working group.

To evaluate some complex cases, the staff may need to be supplemented by consultants or staff from other State agencies.

4.6.1 Technical Staff Organization

The State should conduct an analysis of the expected workload, and establish an appropriate staffing plan. The analysis should consider the number, distribution, and sizes of the licensees that will transfer under the Agreement. It should also consider if the State will: evaluate the radiation safety information on sealed sources or devices containing materials and register the sealed sources or devices for distribution; license a low level radioactive waste land disposal site;

license uranium or thorium recovery facility subject to the requirements of UMTRCA; or will license major manufacturers, universities with major research programs, or other large scale materials users.

4.6.1.1 Information Needed

The State should submit its program staffing plan, including organization charts. The staffing plan should show the number of staff members assigned to specific responsibilities, such as license review and inspection. It should estimate the workload for the licensees that will transfer, and the other duties of the program.

4.6.1.2 Evaluation Criteria

The State must staff the program with enough qualified personnel. The staff must consist of at least two individuals. [20]

We have no criteria for the number of staff required, but the experience of existing Agreement States should be considered. Depending on training and experience, Agreement State programs typically employ one to 1.5 technical staff members per 100 active licenses. Waste disposal sites or uranium mills require additional staff. The distribution of staff should be based on workload estimates that are consistent with NRC experience. [20, 34]

The State workload estimate should be based on the State's organization, policies, practices, and procedures. The State should not create a staffing plan based solely on the NRC staffing plan. [20]

4.6.1.3 References

- a. Criteria Policy Statement, criteria 20, and 34
- b. NRC Management Directive 5.6, *Integrated Materials Performance Evaluation Program (IMPEP)*

4.6.2 Formal Qualification Plan

The ability to conduct an effective material program depends on having enough trained and experienced staff members. Since retirements and other normal events cause the departure of staff members, there must be a plan for staff replacement.

4.6.2.1 Information Needed

The State should submit its position descriptions, and its plan for the formal qualification of technical staff members.

4.6.2.2 Evaluation Criteria

Each technical staff position should require a bachelor's degree in the physical or life sciences, or engineering. An equivalent combination of education and experience may substitute for the degree. [20]

The program should have a written qualification plan. It should address job specific training and experience. The plan should specify the qualification procedures, including times for completing requirements and the credentialing of qualified individuals. The plan should meet the training and qualification requirements in the NRC/OAS working group recommendations. IMC 1246 may be used as general guidance. [20]

4.6.2.3 References

- a. Criteria Policy Statement, criterion 20
- b. NRC Management Directive 5.6, *Integrated Materials Performance Evaluation Program (IMPEP)*
- c. NRC Inspection Manual Chapter 1246
- d. NRC/OAS Training Working Group Recommendations for Agreement State Training Programs

4.6.3 Qualifications of Current Technical Staff

The program staff qualifications should cover both routine functions and emergency cases. The distribution of staff qualifications and the distribution of licensees transferred should match. For example, there should be enough inspectors qualified to inspect industrial radiography licensees that a backlog of industrial radiography inspections will not develop.

4.6.3.1 Information Needed.

The State should submit the resume of each current member of the technical staff. The resume should, as a minimum, show the educational level, experience, and any speciality training. For

staff members admitted into training courses not yet completed, submit the course name or description and scheduled dates.

4.6.3.2 Evaluation Criteria.

Except for some junior positions, all staff members should meet the program's own qualification requirements. [20]

The review team may consider the State's experience working with NRC inspectors and license reviewers. It may also consider experience regulating non-Agreement materials and machine-produced sources of radiation. [20]

4.6.3.3 References

- a. Criteria Policy Statement, criterion 20
- b. NRC Management Directive 5.6, *Integrated Materials Performance Evaluation Program (IMPEP)*
- c. NRC Inspection Manual Chapter 1246

4.7 Event and Allegation Response Program Elements

A State may adopt event and allegation response procedures modeled on NRC procedures, or those used by another Agreement State. The procedures for reporting events to NRC should be modeled on OSP procedure SA-300.

4.7.1 Procedures for Responding to Events and Allegations

The program must have written procedures for responding to materials events within the State. The response capability may be part of another organization, such as a response organization for fixed nuclear facilities. However, it is still part of the materials program under the Agreement.

The program should have written procedures for responding to allegations of violations of regulatory requirements. The program does not need to have criminal investigatory capability within the program or its parent agency. If it does not, then it should have procedures for call appropriate authorities needed.

4.7.1.1 Information Needed

The State should submit its procedures for responding to events and allegations.

4.7.1.2 Evaluation Criteria

Event response procedures should be consistent with, but need not be identical to NRC procedures. The procedures should address the following: [1, 11]

- a. immediate response and actions to mitigate an event.
- b. follow-up inspections and enforcement actions
- c. notifications to licensing staff.
- d. reports to the incident file.
- e. notifications to other affected licensees of generic problems.

Allegation procedures should address response, follow-up and closeout. They should also provide for protection of the identity of a person making an allegation when requested. The procedures should also provide for the protection of other sensitive information. [1, 11]

4.7.1.3 References

- a. Criteria Policy Statement, criteria 1, and 11
- b. NRC Management Directive 8.8, *Management of Allegations*
- c. NRC Inspection Manual Chapter 1300 through 1303, and 1330
- d. NRC Management Directive 5.6, *Integrated Materials Performance Evaluation Program (IMPEP)*
- e. OSP Procedure SA-105, *Reviewing Common Performance Indicator #5, Response to Incidents and Allegations*

4.7.2 Procedures for Identifying Significant Events and Allegations, and for Entering Same into the Nuclear Materials Events Database

NRC has established a database (NMED) of materials events, including incidents, accidents, and medical misadministrations. The States must report to NMED all events that NRC regulations (or equivalent State regulations) require the licensees to report.

4.7.2.1 Information Needed

The State should submit its procedures for generating event reports. It should also submit its procedures for entering reports in the NMED database.

4.7.2.2 Evaluation Criteria

The State procedures should assign responsibility for the completion of the reports, and for assuring the quality of the reports. They should specify times for completion of the reports and submitting them to NRC. The procedures should provide guidance for identifying abnormal occurrences. [1, 11]

The procedures should contain criteria for identifying reportable events. They should guide forwarding reports (notification, follow up, and closeouts) to NRC for inclusion in NMED. The State procedures should be consistent with the OSP Procedure SA-300 Handbook, *Nuclear Material Event Reporting in the Agreement States*. [1, 11]

4.7.1.3 References

- a. Criteria Policy Statement, criteria 1, and 11
- b. OSP Procedure SA-300 Appendix, *Handbook on Nuclear Material Event Reporting in the Agreement States*

Glossary

AEOD	NRC Office for Analysis and Evaluation of Operational Data
CFR	Code of Federal Regulations
CRCPD	Conference of Radiation Control Program Directors
DG	Draft regulatory guide
DNMS	Division of Nuclear Materials Safety (NRC regional organization units)
FTE	Full Time Equivalent of personnel effort
IMC	NRC Inspection Manual Chapter
IP	NRC Inspection Procedure
MD	NRC Management Directive
MOU	Memorandum of Understanding
NMED	Nuclear Materials Event Database
NMSS	NRC Office of Nuclear Materials Safety and Safeguards
NARM	Naturally occurring or accelerator produced materials (not subject to the Act)
NRC	United States Nuclear Regulatory Commission
SA	Office of State Programs Agreement States Procedure
SSR's	<i>Suggested State Regulations</i> , published by the CRCPD
OGC	NRC Office of the General Counsel
OSP	NRC Office of State Programs
RSAO	Regional State Agreements Officer (NRC staff)
UMTRCA	Uranium Mill Tailings Radiation Control Act of 1978, as amended

Definitions

As used in this document:

Act - means the Atomic Energy Act of 1954, as amended.

Commission - means the United States Nuclear Regulatory Commission

Civil penalty - means a monetary fine imposed and collected by the materials program, or by apparent agency. Also known as an "administrative fine."

Generic legally binding requirement - means a legally enforceable statement, limited in the extent of its application, that implements or interprets law or describes procedural requirements, and that is adopted in accordance with the administrative procedures of the promulgating jurisdiction. Examples are license conditions or orders. Generic legally binding requirements differ from regulations in that they are directed to a specifically identified constituency. To be considered generic, however, the requirements should be made effective upon all members of any class of licensees or other persons upon which a regulation would have effect.

License - includes registrations, permits, and certifications.

License application - means the formal request for a new license, a license renewal, or a license amendment, as appropriate, made in accordance with the administrative licensing procedures of the jurisdiction.

Materials - generally means byproduct, source, and special nuclear materials, as defined in the Act. However, if appropriate to the context, it may include naturally occurring or accelerator produced radioactive materials, if such radioactive materials are regulated by the same program designated to regulate byproduct, source, and special nuclear materials under The agreement.

Program - means the organization within a jurisdiction that is specifically dedicated to the regulation of materials. It may be a separate organizational unit, or a subunit of an organization with wider responsibilities. It may also consist of the sum of the materials program elements distributed over several organizations. The NRC materials program consists primarily of NMSS and the DNMS of each region, but includes the support activities provided by other NRC Offices as required.

Memorandum of Understanding - means any formal statement of cooperation between agencies. The term "Letters of Agreement" is equivalent.

Procedure - means a written statement delineating the steps in an activity, may include "policy" statements.

Radiation - means ionizing radiation only.

Regulation - means a legally enforceable statement of general applicability that implements or interprets law or describes procedural requirements, and that is adopted in accordance with the administrative procedures of the promulgating jurisdiction. The term "rule" is equivalent.

Section	Program Element	Information from State	Policy Statement Criteria	References
4.1	Legal Elements			
4.1.1	Statutory Authority	Sections of State Law that authorize the program and the Agreement	1, 9b, 12, 13, 17, 19, 21, 23, 24, 27, 28, 29, 30, and 31	Suggested State Legislation; Statement of Principles and Policy for the Agreement State Program
4.1.2	Program Organization	Detailed narrative description of radiation protection program	1, 24, and 33	Program descriptions from IMPEP reports; MD 5.9; and SA-200 Appendix B
4.1.3	Content of Agreement	Proposed Agreement	26, and 27	MD 5.8
4.2	Regulatory Elements			
4.2.1	Radiation Protection Standards	State standards for protection against radiation	2, 3, 4, 5, 6, 9a, 11, and 22	MD 5.9; SA-200 Appendix A; 10 CFR Parts 20, 30, 35, 40, 61, 71, and 150; SSR's
4.2.2	Transboundary Requirements	State regulations with significant transboundary implications	6, 9a, and 10	MD 5.9; SA-200 Appendix A; 10 CFR Parts 20, 30, 34, 39, 40, 70, 71, and 150; SSR's
4.2.3	Orderly Pattern of Regulation or Health and Safety Significance	State regulations that apply the essential objectives of NRC regulations designated category C or D/H&S	1, 7, 8, 11, and 32	MD 5.9; SA-200 Appendix A; 10 CFR Parts 19, 20, 30, 31, 32, 34, 35, 36, 39, 40, 61, 70, 71, and 150; SSR's

Section	Program Element	Information from State	Policy Statement Criteria	References
4.3	Licensing Program			
4.3.1	Materials licensing	Licensing Program description and procedures; licensing guides	1, 13, 14, 15, 20, and 23	MD 5.6; SA-104; NUREG-1556 series; MARSSIM, DG-4006, NUREG-0241, NUREG-5849
4.3.2	SS&D Safety Evaluations	SS&D Program description and procedures	13	NUREG-1556, Volume 3
4.3.3	Low-level Waste Site Licensing	LLW Program description and procedures	9, and 13	NUREG-1199, NUREG-1200, NUREG-1300, NUREG-1274
4.3.4	Uranium or Thorium Mill Licensing	11(e).2 Program description and procedures	35	NRC Uranium Recovery Program Policy and Guidance Directives
4.3.5	Licensing Quality Assurance	Procedures for review of licensing quality	1, and 13	MD 5.6; and SA-104
4.3.6	Licensing Administrative Procedures	Procedures for processing licensing actions	1, and 25	

Section	Program Element	Information from State	Policy Statement Criteria	References
4.4	Inspection Program			
4.4.1	Inspection Procedures	Inspection Program description, inspection procedures and guides, report formats, inspection frequency	1, 16, 18, and 36	MD 5.6; SA-101 and 102; IMC 1220 and 2800; IP 87101 thru 87120
4.4.2	Inspections Quality Assurance	Procedures for review of inspection quality	1, and 16	IMC 2800; MD 5.6 and SA-102
4.4.3	Inspection Administrative Procedures	Procedures for processing & filing inspection reports	1	IMC 2800
4.5	Enforcement Program			
4.5.1	Routine Enforcement Procedures	Enforcement program description and procedures for routine enforcement actions, notice of violation letters	1, 18, and 23	NUREG-1600 and IMC 2800
4.5.2	Escalated Enforcement Procedures	Procedures for escalated enforcement actions, procedures for legal assistance	18, 19, and 23	NUREG-1600 and IMC 2800

Section	Program Element	Information from State	Policy Statement Criteria	References
4.6	Technical Staff			
4.6.1	Technical Staff Organization	Staffing plan	20, and 34	MD 5.6; recent Agreement State application
4.6.2	Formal Qualification Plan	Formal qualification plan for technical staff	20, and 34	MD 5.6; IMC1246 or NRC/OAS Training Working Group Recommendations for Agreement State Training Programs
4.6.3	Current Technical Staff Qualifications	Resumes or CV's of current technical staff	20, and 34	MD 5.6; IMC1246; recent Agreement State application
4.7	Event & Allegation			
4.7.1	Event & Allegation Response Procedures	Program description and procedures for responding to incidents and allegations	1, and 11	MD 5.6 and 8.8; SA-105 and 300; IMC 1300 - 1303, 1330
4.7.2	Event Reporting Procedures	State NMED reporting procedures	1, and 11	SA-300 Appendix

Provisions Needed to Establish a Program and Enter an Agreement

Provision	Connecticut Law (Chapter 466a)
a. Establishes the materials program and defines its structure.	Sec. 22a-148. Regulation of sources of ionizing radiation and radioactive materials. Sec. 22a-149. Use of radioactive material or isotopes to be registered. Sec. 22a-151. Ionizing radiation: Definitions. Sec. 22a-153. Duties of commissioner of environmental protection. Consultants to governor. Sec. 22a-158. Records.
b. Authorizes the Governor to enter an Agreement with the Commission.	Sec. 22a-152. Agreements with Federal government
c. Authorizes the program to issue licenses.	Sec. 22a-154.(a) Licensing of sources of ionizing radiation.
d. Authorizes the program to impose additional requirements in the form of license conditions.	Absent. [Proposed Section 4c. Sec. 221-6(a)(4)]
e. Authorizes the program to give exemptions from the licensure requirements.	Sec. 22a-154.(b)
f. Authorizes the program to recognize the licenses of other jurisdictions.	Absent. [See Suggested State Legislation Radiation Control Act, Section 7(d)]
g. Makes it unlawful to acquire, possess, store, use, transfer, or dispose of materials without a valid license, or to violate the conditions of a license.	Sec. 22a-157. Prohibited acts.
h. Authorizes the program to adopt regulations.	Sec. 22a-154. Licensing of sources of ionizing radiation.
i. Specifies the procedures and requirements for adoption of regulations, including public participation.	Absent. This may be contained in Chapter 54 which was not submitted. (Citation in Sec. 221-148(c)(2)(D).) Sec. 22a-155. Hearings. Judicial review.
j. Allows the program to impose requirements in the form of other generic legally binding requirements, such as orders.	Sec. 22a-156. Injunctions against violations. Orders. [Proposed Section 4c. Sec. 22a-6(a)(3)]
k. Authorizes the program to enter premises and conduct inspections.	Absent. [Proposed Section 4c. Sec. 22a-6(a)(5)]
l. Authorizes the program to require compliance with regulatory requirements by both licensees and unlicensed individuals.	Sec. 22a-148.(b)
m. Authorizes the program to impose sanctions for violations of the regulations, orders, or license conditions.	Sec. 221-156. Injunctions against violations. Orders.