

with the Commission. Wisconsin law (subsection 254.335(2)) contains provisions for the orderly transfer of regulatory authority over affected licensees from NRC to the State. After the effective date of the Agreement, licenses issued by NRC would continue in effect as Wisconsin licenses until the licenses expire or are replaced by State-issued licenses.

(d) The NRC staff draft assessment finds that the Wisconsin program is adequate to protect public health and safety, and is compatible with the NRC program for the regulation of agreement materials.

II. Summary of the NRC Staff Draft Assessment of the Wisconsin Program for the Control of Agreement Materials

NRC staff has examined the Wisconsin request for an Agreement with respect to the ability of the Wisconsin radiation control program to regulate agreement materials. The examination was based on the Commission's policy statement "Criteria for Guidance of States and NRC in Discontinuance of NRC Regulatory Authority and Assumption Thereof by States Through Agreement" (referred to herein as the "NRC criteria"), (46 FR 7540; January 23, 1981, as amended by policy statements published at 46 FR 36969; July 16, 1981 and at 48 FR 33376; July 21, 1983).

(a) *Organization and Personnel.* The agreement materials program will be located within the existing Radiation Protection Section (Program) of the Wisconsin Department of Health and Family Services. The Program will be responsible for all regulatory activities related to the proposed Agreement.

The educational requirements for the Program staff members are specified in the Wisconsin State personnel position descriptions, and meet the NRC criteria with respect to formal education or combined education and experience requirements. All current staff members hold at least bachelor's degrees in physical or life sciences, or have a combination of education and experience at least equivalent to a bachelor's degree. Several staff members hold advanced degrees, and all staff members have had additional training plus working experience in radiation protection. Supervisory level staff have more than ten years working experience each, in radiation protection.

The Program currently has one staff vacancy, which they are actively recruiting to fill. The Program performed, and NRC staff reviewed, an analysis of the expected Program workload under the proposed Agreement. Based on the NRC staff

review of the State's staff analysis, Wisconsin has an adequate number of staff to regulate radioactive materials under the terms of the Agreement. The Program will employ a staff of 9.5 full-time professional/technical and administrative employees for the agreement materials program. The distribution of the qualifications of the individual staff members will be balanced to the distribution of categories of licensees transferred from NRC. Each individual on the staff is qualified in accordance with the Program's training and qualification procedure to function in the areas of responsibility to which the individual is assigned.

(b) *Legislation and Regulations.* The Wisconsin Department of Health and Family Services (DHFS) is designated by law in Chapter 254 of the Wisconsin Revised Statutes to be the radiation control agency. The law provides the DHFS the authority to issue licenses, issue orders, conduct inspections, and to enforce compliance with regulations, license conditions, and orders. Licensees are required to provide access to inspectors. The DHFS is authorized to promulgate regulations.

The law requires the DHFS to adopt rules that are compatible with equivalent NRC regulations and that are equally stringent to the equivalent NRC regulations. Wisconsin has adopted HFS 157 Radiation Protection Code effective August 1, 2002. The NRC staff reviewed and forwarded comments on these regulations to the Wisconsin staff. The NRC staff review verified that, with the comments incorporated, the Wisconsin rules (and legally binding requirements) contain all of the provisions that are necessary in order to be compatible with the regulations of the NRC on the effective date of the Agreement between the State and the Commission. The DHFS has extended the effect of the rules, where appropriate, to apply to naturally occurring radioactive materials and to radioactive materials produced in particle accelerators, in addition to agreement materials. The NRC staff also concludes that Wisconsin will not attempt to enforce regulatory matters reserved to the Commission.

Wisconsin regulations are different from the NRC regulations with respect to the termination of the license. Current NRC regulations permit a license to be terminated when the facility has been decommissioned, *i.e.*, cleaned of radioactive contamination, such that the residual radiation will not cause a total effective dose equivalent greater than 25 millirem per year to an average member of the group of individuals reasonably expected to

receive the greatest exposure. Normally, the NRC regulations require that the 25 millirem dose constraint be met without imposing any restrictions regarding the future use of the land or buildings of the facility ("unrestricted release"). Under certain circumstances, NRC regulations in 10 CFR part 20, subpart E, allow a license to be terminated if the 25 millirem dose constraint is met with restrictions on the future use ("restricted release"). Wisconsin law does not allow a license to be terminated under restricted release conditions. Wisconsin will instead issue a special "decommissioning-possession only" license as an alternate to license termination under restricted release. NRC staff has concluded that this approach is compatible with NRC regulations.

(c) *Storage and Disposal.* Wisconsin has also adopted NRC compatible requirements for the handling and storage of radioactive material. Wisconsin will not seek authority to regulate the land disposal of radioactive material as waste. The Wisconsin waste disposal requirements cover the preparation, classification and manifesting of radioactive waste, generated by Wisconsin licensees, for transfer for disposal to an authorized waste disposal site or broker.

(d) *Transportation of Radioactive Material.* Wisconsin has adopted regulations compatible with NRC regulations in 10 CFR part 71. Part 71 contains the requirements that licensees must follow when preparing packages containing radioactive material for transport. Part 71 also contains requirements related to the licensing of packaging for use in transporting radioactive materials. Wisconsin will not attempt to enforce portions of the regulations related to activities, such as approving packaging designs, which are reserved to NRC.

(e) *Recordkeeping and Incident Reporting.* Wisconsin has adopted the sections compatible with the NRC regulations which specify requirements for licensees to keep records, and to report incidents, accidents, or events involving materials.

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