

Prioritized List of Regulatory Needs based on the following system:

- I. Protection of Public Health and Safety - Top Third**
- II. Security of Radioactive Materials - Top Third**
- III. Protection of Public Health and Safety - Middle Third**
- IV. Efficiency and Effectiveness - Top Third**
- V. Security of Radioactive Materials - Middle Third**
- VI. Protection of Public Health and Safety - Bottom Third**
- VII. Efficiency and Effectiveness - Middle Third**
- VIII. Security of Radioactive Materials - Bottom Third**
- IX. Efficiency and Effectiveness - Bottom Third**

Protection of Public Health and Safety - Top Third

- 1. Develop licensing and inspection guidance for new medical technologies, including medical devices and procedures. (e.g., Ir-192 therapy microspheres, procedure for Gliasite treatments with I-125 filled balloons, new isotopes using monoclonal antibodies techniques, non-coronary application for IVB, and Sr/Rb generators) (F)
- 2. Identity of roles of state radiation control programs in homeland security (D)
- 3. Financial assurance for decommissioning, funding of accidents, disposition of orphaned material, and small industries going bankrupt (P)

Security of Radioactive Materials - Top Third

- 4. Resolution to the collection and disposal/storage of orphaned sources (B)
- 5. Security review of general licensed device program (A)
- 6. Rulemaking on americium, neutron sources, and large activity source disposal (M)

Protection of Public Health and Safety - Middle Third

- 7. Identify or develop subject matter experts and technical assistance personnel that would be useful in cases of emergencies (AA)
- 8. Guidance for first responders who will be equipped with radiation monitors (C)
- 9. Codified estimates, not overly conservative, of doses to be received by the public during performance assessments. In particular, an update to old dose-conversion factors embedded in 10 CFR 20 (HH)
- 10. Develop guidance for veterinary medicine treatments involving radioactive materials and release of animals (I)
- 11. Updated material guidance on gamma stereotactic radio-surgery units (H)

12. Revision of 10 CFR Part 30 to require that all Sealed Sources and Devices (SS&D) containing AEA material have a SS&D Certificate in order to be distributed and used. Currently, generally licensed devices do not require a SS&D Certificate (U)

Efficiency and Effectiveness - Top Third

13. Develop guidance on parallel development of the Conference of Radiation Control Program Directors (CRCPD) Suggested State Regulations (SSRs), with changes to NRC's regulations, including a process by which SSRs are kept up to date with changes that affect multiple CFR chapters and are compatible with CFRs (BB)
14. Develop a communications system where all NRC and the States are informed of current issues being developed, including guidance documents, rule developments, and new technologies (Y)

Security of Radioactive Materials - Middle Third

NONE

Protection of Public Health and Safety - Bottom Third

15. Rulemaking on licensing radioactive mixed waste in the Resources Conservation and Recovery Act (L)
16. Revision of 10 CFR 30 Appendix B to tie those quantities to calculations for determining financial assurance (Q)
17. Develop guidance for source material licensing (T)
18. Guidance on public monitoring, such as the adoption or endorsement of the Federal Emergency Management Agency's guidance nuclear power plant incidents (GG)
19. Develop guidance for the manufacture and distribution of chemical and biological agent detectors (S)
20. Low Level Waste Disposal rule on medical waste (E)

Efficiency and Effectiveness - Middle Third

21. Develop interactive multimedia training that is accessible to both NRC and the States (Z)
22. Develop and host topical seminars in areas such as pool irradiators, medical therapy devices, financial sureties, decommissioning, automation of RAM programs and sealed source and device evaluations (DD)
23. Consensus standards on decommissioning (R)
24. Rules for the disposal of medical waste at refuse facilities, wastewater sludge, and disposal of large quantities of exempt items (e.g., smoke detectors) from the general public or business use (O)

Security of Radioactive Materials - Bottom Third

- 25. Rulemaking on transfers of certain source materials by specific licensees (W)

Efficiency and Effectiveness - Bottom Third

- 26. Rulemaking on compatibility with IAEA Transportation Safety Standards (TS-R-1) and other transportation safety amendments (FF)
- 27. Low Level Waste Disposal rule on NORM contaminated scrap metal (J)
- 28. Revise NUREG 1556, Volume 20, *Guidance About Administrative Licensing Procedures* to include standard license conditions included in all the other volumes of NUREG 1556 (V)
- 29. Information technology solution to web-based licensing for the byproduct materials program (X)
- 30. Low Level Waste Disposal rule on exempt quantities (K)
- 31. Develop a process to expand the Integrated Materials Performance Evaluation Program (IMPEP) to include NRC headquarters' material activities (CC)
- 32. Policy on when "new modality" is no longer "new" (G)
- 33. Revision of Policy Directive PG 8-10: *Disposal of Incineration Ash as Ordinary Waste* (N)
- 34. Revise non-common performance indicators under IMPEP to include review criteria for sealed sources and devices; low level waste; uranium recovery; fuel cycle; and Site Decommissioning Management Plan sites (EE)