

6.6 RADIOLOGICAL ENVIRONMENTAL MONITORING

6.6.1 Monitoring Program

a. Requirement

1. The Radiological Environmental Monitoring Program shall be conducted as specified in Radiological Environmental Monitoring Program (Attachment 9).
2. Samples shall be collected from specific locations specified in Environmental Sampling Locations (Attachment 10).
3. Samples shall be analyzed in accordance with:
 - (a) Radiological Environmental Monitoring Program (Attachment 9) requirements
 - (b) Detection capabilities required by Detection Capabilities for Environmental Sample Analysis (Attachment 11)
 - (c) Guidance of the Radiological Assessment Branch Technical Position on Environmental Monitoring dated November, 1979, Revision No. 1 or latest guidance

b. Action

1. If the Radiological Environmental Monitoring Program is not being conducted as required in Step 6.6.1 a., report the situation by preparing and submitting to the NRC, in the Annual Radiological Environmental Operating Report required by Technical Specifications Section 5.0 Administrative Controls a description of the reasons for not conducting the program as required, and the plan for precluding recurrence.
2. If, when averaged over any calendar quarter, radioactivity exceeds the reporting levels of Reporting Levels for Radioactivity Concentrations in Environmental Samples (Attachment 12) prepare and submit to the NRC within 30 days, a special report that:
 - (a) Identifies the causes for exceeding the limits, and
 - (b) Defines the corrective actions to be taken to reduce radioactive effluents so that the potential annual dose to a member of the public is less than the calendar year limits of Steps 6.2.3a, 6.3.3a, and 6.3.4a.

When more than one of the radionuclides listed in Reporting Levels for Radioactivity Concentrations in Environmental Samples (Attachment 12) are detected in the sampling medium, the report shall be submitted if:

concentration (1) + concentration (2) is greater than or equal to 1.0
reporting level (1) reporting level (2)

(+)

... etc.

Inserts

19. Regulatory Guide 4.8, "Environmental Technical Specifications for Nuclear Power Plants."
20. Regulatory Guide 4.13, Performance, Testing, and Procedural Specifications for Thermoluminescence Dosimetry: Environmental Applications Rev. 1, July 1977
21. Regulatory Guide 4.15, Rev 1 "Quality Assurance for Radiological Monitoring Programs (Inception through Normal Operations to License Termination) - Effluent Streams and the Environment." February 1979 or Regulatory Guide 4.15, Rev2 "Quality Assurance for Radiological Monitoring Programs (Inception Through Normal Operations to License Termination)-Effluent Streams and the Environment." July 2007..
22. Regulatory Guide 8.8, Revision 3, "Information Relevant to Ensuring That Occupational Radiation Exposures at Nuclear Stations Will Be As Low As Is Reasonably Achievable," June 1978.
23. NUREG-0543, February 1980, Methods for Demonstrating LWR Compliance With the EPA Uranium Fuel Cycle Standard (40 CFR Part 190)
24. NUREG-0133, "Preparation of Radiological Effluent Technical Specifications for Nuclear Power Plants," U.S. Nuclear Regulatory Commission, October 1978.
25. NUREG-1301, "Offsite Dose Calculation Manual Guidance: Standard Radiological Effluent Controls for Pressurized Water Reactors." [This NUREG includes Generic Letter 89-01 Supplement No.1.]
26. NUREG-1302, "Offsite Dose Calculation Manual Guidance: Standard Radiological Effluent Controls for Boiling Water Reactors." [This NUREG includes Generic Letter 89-01.]
27. NUREG-0800, Standard Review Plan, 11.5 "Process and Effluent Radiological Monitoring Instrumentation and sampling Systems" Rev 4 March 2007
28. NUREG/CR-3332, "Radiological Assessment," U.S. Nuclear Regulatory Commission, 1983
29. NUREG/CR-4007, "Lower Limit of Detection: Definition and Elaboration of a Proposed Position of Radiological Effluent and Environmental Measurements," U.S. Nuclear Regulatory Commission, September 1984.
30. "Radiological Assessment Branch Technical Position," U.S. Nuclear Regulatory Commission, November 1979 as contained in NUREG-1301 and NUREG-1302.
31. NUREG/CR-3332, "Radiological Assessment," U.S. Nuclear Regulatory Commission, 1983
32. NUREG/CR-4013, "LADTAP II—Technical Reference and User Guide," U.S. Nuclear Regulatory Commission, April 1986.

Duplicates