



Engineering Experiment Station

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December 23, 1994

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington D.C. 20555

Subject: Revised Emergency Plan for The Ohio State University Research
Reactor, License R-75, Docket 50-150

As a result of the Nuclear Reactor Laboratory staff annual review of the Emergency Plan and responding to the Notice of Violation dated July 21, 1994 please find enclosed a revised Emergency Preparedness Plan. The Plan was reviewed and approved by the University's Reactor Operations Committee on December 14, 1994. To assist in your review a summary of substantive changes is also enclosed. This summary is referenced to the plan you currently have dated November 1982 and revised November 1989. Please contact Mr. Richard Myser at 614-292-6755 with questions and comments on the Plan.

Sincerely,

Jose B. Cruz, Jr.
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- c. Don W. Miller, Director, Nuclear Reactor Laboratory
Richard D. Myser, Associate Director, Nuclear Reactor Laboratory
Roy J. Caniano, Chief, Reactor Support Programs Branch, US NRC Region III

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1994 Emergency Plan Review

Summary of Changes

- p.1. Deleted reference to the "Campus-Wide" Radiological Emergency Plan since one does not presently exist.
- P.2. The moveable gate has not been moved in at least the last sixteen years. In addition, a new roadway from the North now enters the Research Center area. While it would still be very easy to control access, the existing gate would not suffice. This reference was therefore deleted.
- p.3. Fig. 1.1 was updated to show the new roadway and the OEMA building.
- p.4. Deleted specifics of the security system.
- p.5. Updated Fig. 1.2 to show the new OEMA bldg.
- p.6. Update date of last Security Plan revision.
- p.6. Deleted reference to Table 1.1 which lists safety system functions.
- p.7. Updated fig. 1.3 to show Subcritical Assembly and Storage Area instead of Shop Area.
- p.9. Updated Fig. 1.5 Core Layout to show the additional irradiation facility.
- p.12. Nuclear Emergency Definition references to part 20 corrected.
- p.15. Corrected definitions of Radiation Area, High Radiation Area, and added definition of Very High Radiation Area.
- p.17. Updated organization description.
- p.18. Updated Fig. 3.1
- p.20. Deleted reference to OSU's fire safety section, since OSU no longer has fire or EMS
- p.20. Changed Emergency Director to Senior Staff Person on site to be consistent with Emergency Procedures.
- p.21. Updated Fig. 3.2 Emergency Organization.
- P.22. Deleted section on Chain of Command as this is handled by procedure EP-01.
- p.22. Made reference to fire safety "Offsite" Since OSU does not have its own.
- p.23. Referenced Clinton Township as primary EMS provider.
- p.24. Updated corrective action guideline to 50 Rem whole body based on NCRP #116 (Provided by ORS; Life saving was not changed as there was no specific guidance in #116 other than doses could go higher than 0.5 Sievert (50Rem))
- p.33. Deleted reference to OSU EMS.
- p.35. Changed reference from EMS to OSUPD.

p.38. Changed "shall" to "may" in reference to emergency response functions. Also, proficiency may be checked during the annual drill rather than procedure review.

p.39. Deleted reference to emergency training for non-licensed or non staff personnel.

p.39. Revised section to make it perfectly clear that only one drill is required to be completed annually.

p.40. Revised and added to the list of possible types of drills.

p.40. Added a section on what each drill should test.

p.41. Revised section on amendments so that they are approved by the ROC.

p.41. Deleted reference to the Office of Fire Prevention checking fire extinguishers annually.

p.42. Deleted reference to verification of respirator operability since we have no respirators, nor do we intend to get any.

p.43. Since we now have a key to the Van de Graaff, references to obtaining one through OSUPD have been deleted.

p.44. The list of instruments available from ORS was deleted.

p.45. OSU EMS changed to Clinton Township EMS.

p.45. Deleted reference that an HP type would accompany a contaminated person to the ER and added that the ER should be notified ahead of time.

p.47. Deleted reference to decon shower at Van de Graaff and of breathing apparatus at the NRL.