



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

PDR-010

September 1, 1982

Ms. Patricia K. Weed  
Box 525  
Belgrade Lakes, ME 04918

IN RESPONSE REFER  
TO FOIA-82-380

Dear Ms. Weed:

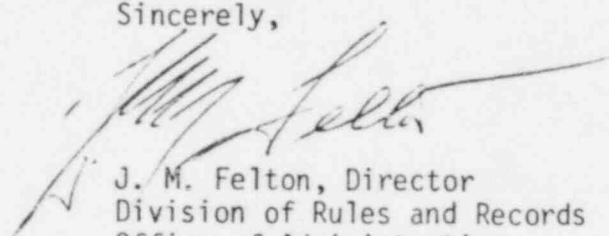
This is in response to your letter dated August 13, 1982 in which you requested, pursuant to the Freedom of Information Act, a list of the contaminants released during a worst possible case of nuclear power plant meltdown and breach of containment. You wanted the contaminants listed in descending order of harmfulness.

The Nuclear Regulatory Commission has no list that would attempt to order such contaminants in accordance with the relative degree of harmfulness. However, please find enclosed as listed on Appendix A five documents pertaining to your request.

Construing "contaminants" to be radionuclides that might be released in such an accident, such information has been documented in all of the staff's Final Environmental Statements relating to nuclear power plant operating license applications since mid-1980. For example, please see document No. 3 as listed on Appendix A the Final Environmental Statement for Midland issued in July 1982, Tables 5.4. and 5.6, pp 5-70, 71 and 73.

We also have available at our Public Document Room (PDR) the document WASH-1400 which was published in 1975. The section of the report which is relevant to the request is Appendix VI, Table 3-1. This document is available for public inspection and copying at the NRC Public Document Room, 1717 H Street, N.W., Washington, D.C. 20555. The charge for reproducing records located in the PDR is five cents (\$0.05) per page, as specified in 10 CFR 9.14(a). A copy of the document can be purchased by writing directly to the PDR. Upon your agreement to pay the reproduction charges, the PDR will arrange for the records to be reproduced by Literature Research Company, a private reproduction contractor servicing the PDR. You will be billed by Literature Research Company for the reproduction charges, plus tax and postage.

Sincerely,



J. M. Felton, Director  
Division of Rules and Records  
Office of Administration

Enclosure: As stated

Appendix A

1. NUREG-0771 "REGULATORY IMPACT OF NUCLEAR REACTOR ACCIDENT SOURCE TERM ASSUMPTIONS" - June 1981.
2. NUREG-0340 "OVERVIEW OF THE REACTOR SAFETY STUDY CONSEQUENCE MODEL" - October 1977.
3. NUREG-0537 "FINAL ENVIRONMENTAL STATEMENT RELATED TO THE OPERATION OF MIDLAND PLANT, UNITS 1 AND 2" - July 1982.
4. NUREG-0139 "ENVIRONMENTAL STATEMENT RELATED TO CONSTRUCTION AND OPERATION OF CLINCH RIVER BREEDER REACTOR PLANT" - February 1977.
5. NUREG-0139 SUPPLEMENT NO. 1 DRAFT AND SUPPLEMENT TO FINAL ENVIRONMENTAL STATEMENT RELATED TO CONSTRUCTION AND OPERATION OF CLINCH RIVER BREEDER REACTOR PLANT - July 1982.