

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

December 5, 1980

MEMORANDUM FOR: Karl R. Goller, Director
Division of Siting, Health & Safeguards Standards, SD

FROM: John B. Martin, Director
Division of Waste Management, NMSS

SUBJECT: NMSS INPUT FOR COMPLETION OF 10 CFR PART 60

As committed in our meeting last week, enclosed are the portions of 10 CFR Part 60 that NMSS agreed to redraft.

It is my understanding that you need nothing more from us to complete the package which will be submitted to the Commission. Please advise if at any time additional actions are required of NMSS.

A handwritten signature in cursive script, reading "J B Martin", is positioned above the typed name and title.

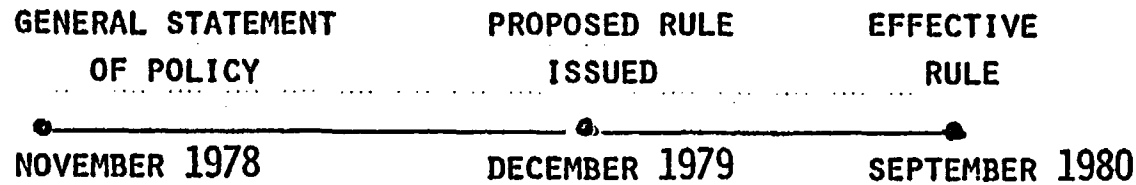
John B. Martin, Director
Division of Waste Management

Enclosure:
As stated

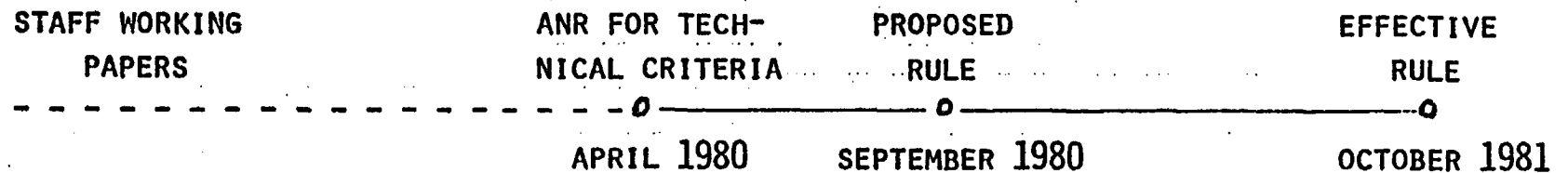
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TIMELINE FOR HLW RULEMAKING

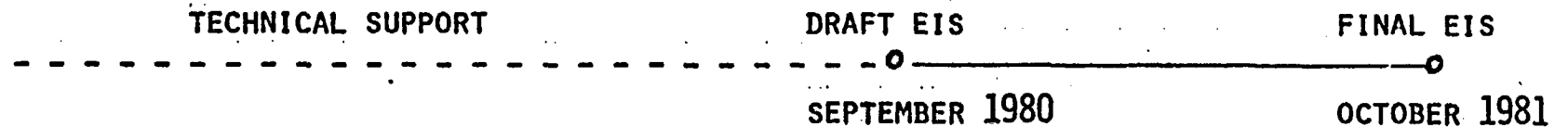
PROCEDURES



TECHNICAL CRITERIA



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PURPOSE OF ANR

- PROVIDE BEST THINKING AVAILABLE TO ASSIST DOE TO MEET PRESIDENT'S SCHEDULE.
- FORMALIZE AND FURTHER BROADEN PUBLIC PARTICIPATION.
- PROVIDE A COMPLETE STATEMENT OF THE RESULTS OF STAFF ACTIVITY TO DATE.

CHRONOLOGY OF STAFF INTERACTION WITH GROUPS OR EXPERTS

EPA BRIEFING	JUNE 1979	PRESENTATION TO MATERIAL	
AIF BRIEFING	SEPT 1979	RESEARCH SOCIETY	Nov 1979
PRESENTATION TO DOE	OCT 1979	NAS BRIEFING	Nov 1979
UTILITY WASTE MGMT		BUREAU OF MINES REVIEW	DEC 1979
GROUP COMMENTS	OCT 1979	NRDC BRIEFING	JAN 1980
KEYSTONE REVIEW	OCT 1979	UNIV OF ARIZONA REVIEW	JAN 1980
USGS BRIEFING	NOV 1979	GOLDER ASSOCIATES COMMENTS	JAN 1980
DOE COMMENTS	NOV 1979	EPA BRIEFING	MAR 1980

UNIQUE ASPECTS OF A HLW REPOSITORY

- . TIME SPAN - THREE DISTINCT PHASES; DIFFERENT HAZARDS WITH EACH.
- . PHYSICAL EXTENT - SURFACE FACILITIES, EXCAVATED AREA, PRIMARY GEOLOGIC BARRIER.
- . WASTE/ROCK INTERACTION - WASTE CAN HAVE A DETRIMENTAL EFFECT ON HOST ROCK.
- . NEED TO TREAT UNCERTAINTIES - EXTRAPOLATING INTO DISTANT FUTURE FROM DISTANT PAST, GEOLOGIC PROCESSES ARE MULTICOMPONENT SYSTEMS, DIFFICULT TO ARRIVE AT SPECIFIC ANSWERS TO SPECIFIC QUESTIONS, NO EXPERIENCE.
- . HUMAN INTRUSION - HAS NO NATURAL ANALOGUE, NO WAY TO BOUND POSSIBLE HUMAN ACTIVITIES.

IMPORTANT CONSIDERATIONS IN DEVELOPING TECHNICAL CRITERIA

- . USE OF MULTI-BARRIERS AS A SYSTEM
- . USE OF MINIMUM PERFORMANCE STANDARDS
- . SITING CRITERIA
- . RETRIEVABILITY