

INTERIM REPORT

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Contract Program or Project Title:

Evaluation of Docket Files of  
Terminated Licenses

Subject of this Document:

Technical Progress

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INTERIM REPORT

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MONTHLY PROGRESS REPORT  
FOR SEPTEMBER 1978

EVALUATION OF DOCKET FILES OF TERMINATED LICENSES  
(189 No. A9085-7)

PRINCIPAL SCIENTISTS: H. W. Dickson, C. F. Holoway, and P. M. Lantz

OBJECTIVES:

The technical objective of this project is to review terminated licenses in the NRC Docket File System, extract pertinent data, create a computer file of these data and identify which previously licensed sites potentially could constitute residual radiological safety hazards.

MAJOR ACCOMPLISHMENTS:

All of the Part 40 docket files have been examined by at least one staff analyst and pertinent information has been abstracted for a computer file. Data from approximately 80% of the computer input forms have been entered into the computer. In the month of September, 140,000 characters of data were input. Editing of this computer input is continuing, but necessarily running behind the input production. At any given time, the edited input represents about 75% of the raw input. Once the data have been input and edited, it is made available in a searchable computer file. As of September 26, 1978, there were a total of 3073 records in this file. This is 1225 more than were available a month earlier. Of these, 281 or 9.1% were tentatively identified as representing potential problem or uncertain sites. Tabulations of this computer output are being sent to the NRC Technical Monitor on a monthly basis.

With the bulk of the preliminary analysis and computer input preparation completed, the technical staff has concentrated on two other aspects of the project during the month of September. One of these is the continuing task of editing the computer input to provide a data base that is as error-free as practicable. While critical phases of the project receive painstaking care, such things as editing of the computer data for the cleared sites has been cursory. Editing of data on problematic or uncertain dockets, on the other hand, has been meticulous.

NRC Research and Technical  
Assistance Report

The second major task in September has been the intensive study of the dockets flagged during the preliminary analysis to arrive at final docket categorizations. This represents a procedural change from individual analysis to group analysis and has led to the introduction of a Group Analysis of Dockets (GAD) form as illustrated in Attachment 1.

The primary goal of this task is to place all dockets in one of two categories--cleared (OK) or potential problem (NO). Unfortunately, there appears to be a limited number of dockets which are so ambiguous or contain so little information that they can not be assigned to these "black" and "white" categories. They will remain in the "gray" area (which is termed an uncertain (UN) docket) until the reason for uncertainty is removed. A secondary goal of the intensive study task is to identify potential problem sites as opposed to only identifying potential problem dockets. A given docket may refer to two or more sites where radioactive materials were used and it is helpful to single out which sites may be problematic. Additionally, it is possible that many dockets may apply to a single site. While each docket related to that site may be cleared individually, the integrated assessment may be sufficient to place the site in a potential problem category.

Input for this work has been the dockets designated as potential problem or uncertain from the searchable computer file. Of the 281 such records available, 95 dockets received intensive study during September. The results of the work are summarized in Table 1.

Table 1. Results of group analysis of dockets

Analysis date	No. of dockets	Present categorizations			Previous categorizations		
		NO	UN	OK	NO	UN	OK
9/13/78	20	7	8	5	0	20	0
9/18/78	25	12	8	5	13	12	0
9/21/78	25	14	4	7	11	14	0
9/26/78	25	11	3	11	11	14	0
Totals	95	43	24	28	35	60	0

#### STATUS OF PROJECT:

The completion of the computer data file is still projected for November 15, 1978, which is the understood termination date for the existing research contract. Final docket categorization and potential problem site identification will require at least an additional month of work. It was initially agreed that the research would require a minimum of one year. Since the docket

files were not actually received in Oak Ridge until December 19, 1977, it is logical to assume that the contract period should be extended through December 1978 to complete this work.

The research proposal and contract committed ORNL to the analysis of 8000 docket files which will be completed by the end of the calendar year. In addition to 8000 Part 40 dockets, ORNL received approximately 800 Part 70 dockets which require analysis. Many of these dockets containing special nuclear material licenses are quite extensive and will require more time to analyze than an equal number of Part 40 dockets. It is estimated that these Part 70 dockets could be analyzed and categorized in three months with an expenditure of 12 man months of effort.

A recent change in reporting format which includes more internal review and a longer approval chain has resulted in significantly greater delay in this report reaching the NRC. It will not be possible for this report to reach the NRC by the requested time of the fifteenth of the month following the reporting period if we are to include a true manpower and cost summary in the report.

#### MANPOWER AND COST SUMMARY:

Efforts in Man Months			Cost K\$			Total Cost K\$			Additional Cost to Completion (Estimate)
Sept. 1978	FY 1978	Total To date	Sept. 1978	FY 1978	Total To date	Sept. 1978	FY 1978	Total To date	
2	31.7	31.7	4.4	161	161	4.4	161	161	40,000

GROUP ANALYSIS OF DOCKET FOLDERS INITIALLY CATEGORIZED AS: No Un Page											
ATTACHMENT 1											
*Eq. U. Th											
No	Doc. No.	Box	Analyst	Opertn	Lic. Type	Quantity*(t)	Site	RefCat	Group	Comment	No
1	40-5969										1
2	-5922										2
3	-5918										3
4	-5911										4
5	-5840										5
6	-1838										6
7	-1890										7
8	-1898										8
9	-1911										9
0	-1914										0
1	-1922										1
2	-638										2
3	-1626										3
4	-1619										4
5	-1609										5
6	-1592										6
7	-1756										7
8	-1751										8
9	-1413										9
0	-1405										0
1	-1693										1
2	-1712										2
3	-1719										3
4	-1856										4
5	-1236										5

COMMENTS:

Group Session No:      Group Analysis Date:      ReCat Analyst:      Computer Update:      Records:

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