

Phyllis R. Cotten
Oak Ridge Associated Universities
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MS EESD/SCAR
Oak Ridge, TN 37381-0117

NOV 8 1990

Dear Ms. Cotten:

We have evaluated the suggested review parameters for terminated test and research reactor decommissioning files included in your letter dated October 25, 1989, and found the review parameters to be similar to the elements of a draft checklist we developed for reviewing these files. We have incorporated your suggestions into the proposed checklist for reviewing these files, which is provided as Enclosure 1. This checklist should be used as a screening tool for identifying documents and information that are considered important for determining whether a facility meets NRC's current release criteria. If other documents in the files provide useful information, they should be added to the checklist as well.

In your October 25th letter, you also forwarded some general comments on docket files 50-99 and 50-234. Your comments provided the type of information we consider important to this review. To ensure that certain information was not unintentionally omitted from these decommissioning files, we are reviewing other agency files to verify that all pertinent and available documents have been incorporated into the decommissioning files.

To date we have sent you four boxes containing 47 decommissioning files; the remaining 11 files will be sent to you in the next few weeks after we complete our review. A list of all 58 test and research reactor decommissioning files is provided in Enclosure 2 for your reference. As we discussed previously, these files are original agency records, which have not yet been copied, and must be handled with care. Also, in the event that information is requested from these files, it may be necessary for us to obtain them from you on short notice.

If you have any questions about this Request For Technical Assistance, please call me at FTS 492-0523.

ORIGINAL SIGNED BY

Tony Huffert, Health Physicist
Division of Low-Level Waste Management
and Decommissioning
Office of Nuclear Material Safety
and Safeguards

Enclosure: As stated

Distribution: Central File #	NMSS r/f	RBangart	JGreeves w/o encl.
JAustin	PLohaus	THuffert	TCJohnson
JSurmeier	BShelton	IBailey	LLRB r/f
DMartin	ACNW YES	NO	
PDR YES <input checked="" type="checkbox"/>	PDR NO		
SUBJECT ABSTRACT:			

RB 11/8/90

OFC :LLRB *AH* :LLRB *TC Johnson*
NAME:THuffert/jj :TCJohnson
DATE: 11/8/90 : 11/8/90

TH/RX CHECKLIST

OFFICIAL RECORD COPY

9012040265 901108
PDR ADDCK 05000099
W PNU

Delete: ACNW

1/1
WM-3
J/6.2
NL14

CHECKLIST FOR REVIEWING TERMINATED TEST AND RESEARCH LICENSES

Company Name
Name of Facility
Address
Docket Number

I. Request for license termination should include:

1. Application for Possession-Only license.

a. Decommissioning or Dismantling Plan and associated Technical Specification changes.

i. if a summary of the facility operating history is provided, the reviewer should look for the following information:

- o dates of operation
- o materials used/generated
- o history of any accidents or spills involving radionuclides, which may include (1) location of spill, (2) survey results, (3) dates of cleanup, and (4) disposition of materials
- o any indication of disposals made pursuant to 10 CFR 20.302 or 20.304.
- o incidents of fuel failure
- o history of chemical use or spills, hazards

if information on the facility's radiological status is provided in the decommissioning or dismantling plan, reviewers should look for the following information:

- o documentation identifying primary contaminant
- o maps or sketches identifying measurement and sampling locations
- o measurement, sampling, and analyses procedures
- o survey results
- o description of instrumentation used, which may include (1) type, (2) calibration sources/procedures, (3) efficiency (4) background (5) LLD (formula) calculations
- o applicable cleanup criteria, guidelines, supplemental limits, exceptions to cleanup criteria
- o documentation indicating that the facility meets AEC/NRC criteria for unrestricted release or documentation indicating that restrictions are necessary to release the facility.

I. Request for license termination (continued)

2. Request for additional information on possession-only license application and Decommissioning and Dismantling Plans and responses from licensee.
3. Notices to Federal Register on Possession-Only application and Decommissioning/Dismantling Plans.

II. AEC/NRC approval of submission of application for license termination

1. Possession-Only amendment and any associated technical specifications
2. Decommissioning/Dismantling orders.
3. License termination orders and associated safety evaluations.

III. Final licensee survey report

The reviewer should look for the following information in the survey report:

- o maps or sketches identifying measurement and sampling locations
- o measurement, sampling, and analyses procedures
- o survey results
- o description of instrumentation used, which may include (1) type, (2) calibration sources/procedures, (3) efficiency (4) background, (5) LLD (formula) calculations
- o applicable cleanup criteria, guidelines, supplemental limits, exceptions to cleanup criteria
- o documentation indicating that the facility meets AEC/NRC criteria for unrestricted release or documentation indicating that restrictions are necessary to release the facility.
- o licensee response to confirmatory survey deficiencies

IV. Final confirmatory survey ("close out" survey) by AEC/NRC.

- o date of report and name of inspector
- o inspector findings and results of survey
- o deficiencies reported

V. License termination

1. AEC/NRC notification of license termination
2. Documentation indicating problems with facility release.
 - a. AEC/NRC or other correspondence concerning residual radiological contamination at facility or nearby groundwater
 - b. Any information concerning chemical hazards or residual contamination at the site.