



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
611 RYAN PLAZA DRIVE, SUITE 400
ARLINGTON, TEXAS 76011-4005

August 17, 2007

Texas A&M University
Environmental Health & Safety Department
ATTN: Daniel I. Menchaca, CHP
Radiological Safety Officer
4472 TAMU
College Station, Texas 77843-4472

SUBJECT: ACKNOWLEDGMENT OF RECEIPT OF FINAL STATUS SURVEY REPORT
AND REQUEST FOR ADDITIONAL INFORMATION

The U.S. Nuclear Regulatory Commission (NRC) is in receipt of your letter dated June 25, 2007, with the attached final status survey report for the Research Vessel (R/V) Gyre. The NRC has completed the administrative review of your final status survey report and is conducting the in-depth technical review. Based on the information provided in NUREG-1757, Volume 1, Revision 2, "Consolidated Decommissioning Guidance," your submittal has been classified as a Group 2 decommissioning project. Therefore, your submittal will be processed using the guidance provided in Section 9.3 of the respective document. Additionally, an environmental assessment is required for the proposed licensing action, since a Group 2 decommissioning project is not covered by the categorical exclusion in 10 CFR 51.22(c)(20).

Enclosed is a request for additional information to support further review of your final status survey report and the preparation of an environmental assessment. To continue with the environmental assessment, we request that you submit your response within 45 days from the date of this letter. Please refer to the license, docket and control numbers indicated below, in your response.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at: <http://www.nrc.gov/reading-rm/adams.html>.

Should you have any questions concerning this letter, please contact me at (817) 276-6552, or Mr. Robert Evans, Senior Health Physicist, at (817) 860-8234.

Sincerely,

/RA/

Rachel S. Browder, Health Physicist
Nuclear Materials Licensing Branch

Docket No.: 030-01066
License No.: 42-09082-09
Control No.: 471421

Enclosure:

1) Request for Additional Information

ENCLOSURE 1

REQUEST FOR ADDITIONAL INFORMATION

1. The historical site assessment should provide a comprehensive description of the past locations of use and address the type and quantities of materials possessed and used in each area. Additionally, please document the disposition of materials from the "Rad Van" (R/V Gyre).
2. Please clarify whether Texas A&M University was the sole user of the Rad Van or did other entities use the van. If other entities used the Rad Van, then did Texas A&M University maintain records of the radioactive materials that were used in the Rad Van?
3. Did Texas A&M University keep the Rad Van or was it sold with the R/V Gyre?
4. The documentation maintained by the NRC regarding the 1988 refit of the Rad Van indicates that a false deck was constructed of plywood over the existing floor. The false deck was covered with a ribbed black ribbon matting. Was a survey conducted under the matting and under the false floor? Were both hoods vented to the outside? Were there any hold-up tanks or plumbing lines used for unsealed radioactive materials in the Rad Van or R/V Gyre?
5. Acceptable guidance on surveys is found in Section 15.4 of NUREG-1757, Volume 1, Revision 2, as well as Appendices A and B of NUREG-1757, Volume 2, Revision 1. The following key issues should be considered when conducting final status surveys. Please provide the necessary documentation in your response.
 - A. The building or area should be described, to include the general size and where isotopes were used or stored.
 - B. Each location of use must be specified with enough detail to understand size, equipment and associated ventilation and any discharge systems.
 - C. The areas should be classified as impacted or non-impacted.
 - D. The report should have a section which discusses instrumentation, analytical procedures (MDC, MDC for scanning rate, etc.) calibration and instrument efficiencies, conversion factors, and quality assurance.
 - E. The survey report should indicate if a one hundred percent scan of all impacted surfaces in each use area was performed, using an appropriate radiation detection instrument, that is appropriate for specific gamma energies, alpha and beta radiation.
 - F. The type of instruments used should be specified with their associated scan sensitivities, discussion of calibrations, and certified calibration sources used.
 - G. Survey results must specify instrumentation used, be corrected for efficiency, area factor and provided in disintegrations per minutes (dpm).
 - H. The report should specify release criteria for all past authorized materials. For areas with multiple contaminants, the sum of ratios need to be applied.

Texas A&M University
Environmental Health & Safety Department

cc (via ADAMS e-mail distribution):

DBSpitzberg

JEWhitten

RJEvans

JFKatanic

RSBrowder

RIV Materials Docket File - 5th floor

SUNSI Review Completed: RSB

ADAMS: ☒ Yes ☐ No Initials: RSB

☒ Publicly Available ☐ Non-Publicly Available ☐ Sensitive ☒ Non-Sensitive

PATH AND FILENAME: C:\FileNet\ML072290594.wpd

RIV:FCDB			
RSBrowder			
/RA/			
8 / 17 / 07			

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Enclosure 1