

TIC

USNRC REGION II
ATLANTA, GEORGIA

Babcock & Wilcox

Research and Development Division

79 SEP 28 A 8: 50

P.O. Box 1260, Lynchburg, Va. 24505
Telephone: (804) 384-5111

September 24, 1979

Mr. James P. O'Reilly, Director
Office of Inspection and Enforcement
Region II
U. S. Nuclear Regulatory Commission
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

License: SNM-778, docket 70-824

Reference: I E Bulletin 79-19

Dear Mr. O'Reilly:

In response to the reference a special audit of the Lynchburg Research Center was conducted. The purpose of the audit was to determine the status of the center's Shipping and Receiving operations as they relate to the transfer, packaging and transport of low-level radioactive waste.

The following items were identified during the audit as those requiring corrective action to comply fully with each item in the reference and a schedule for completion of the corrective action:

1. Area Operating Procedures require revision to specify the positions responsible for transferring and transporting each type of low-level radioactive waste. To be completed by November 15, 1979.
2. Area Operating Procedures require revision to specify the responsibility for packaging low-level radioactive waste. To be completed by November 15, 1979.
3. Area Operating Procedures require revision to address acceptable chemical forms of low-level radioactive waste. To be completed by November 15, 1979.
4. The two training programs for authorized users of radioactive material must contain more detailed information on the transfer, packaging and transport of low-level radioactive waste. The programs are to be revised prior to the next presentation.

1145 298

OFFICIAL COPY
7910150710

5. The annual retraining program for authorized users of radioactive material must contain more detailed instruction on the transfer, packaging and transport of low-level radioactive waste. The program is to be revised prior to the next presentation.
6. The reports of management-controlled audits must be more specific as to the components of the low-level radioactive waste program that was audited. To be in the October audit reports.

The three items of additional information requested in item number 9 of the reference are presented below:

1. Six shipments of low-level radioactive waste were made during the eighteen months ending June 30, 1979. The total volume of waste in these six shipments was 1229.02 cubic feet.
2. Below is listed the quantities (curies) of the major isotopes shipped in the form of low-level radioactive waste during the eighteen months ending June 30, 1979.

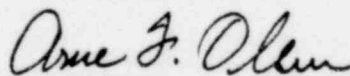
60 Co	3.06 Ci
90 Sr	8340.85 Ci
90 Y	8340.85 Ci
103 Ru	4170.55 Ci
137 Cs	5562.66 Ci
137 Ba	5560.57 Ci
144 Ce	41704.24 Ci
144 Pr	41704.24 Ci
147 Pm	20852.12 Ci
Ag-In-Cd	8800.00 Ci
239 Pu	1.10 Ci
235 U	9×10^{-5} Ci

3. Low-level radioactive liquid waste is solidified using concrete.

If you have questions regarding this response, please contact me.

Yours very truly,

BABCOCK & WILCOX COMPANY
Lynchburg Research Center



Arne F. Olsen
License Administrator