

UNITED STATES GOVERNMENT

Memorandum

TO : File, 19-1398-29

DATE: 2-9-67

FROM : W. H. Ray, Irradiated Fuels Branch, DML

W.H.R.

SUBJECT: QUEHANNA RETIREMENT LICENSE

Martin-Marietta's letter ACC-517 of November 11, 1966 requested amendment of Byproduct Material License 19-1398-29 to authorize decreased occupancy and surveillance of the Sr-90 encapsulation plant at Quehanna, Pennsylvania following shutdown and rather extensive decontamination.

"Decontamination and Restoration Criteria" were submitted identifying maximum residual contamination and the radiation therefrom in the various parts of the plant. High radiation areas were not to exceed 500 mrad/hr., and accesses to all these are to be secured by Best locks or by bolted plates with tamper indicating seals. (Letter ACC-527, December 22, 1966.)

The means of estimating the residual activity in piping, ducts, and cells in terms of instrument readings were described at length to me on the telephone by the plant manager and are summarized in an attachment to letter ACC-535, dated January 31, 1967. I have considerable confidence in the 200 millicurie appraisal, but Martin-Marietta has requested a possession limit of 1 curie to provide a compliance margin.

The licensee is to survey the premises quarterly to detect evidence of entry and ~~to check for changes in the residual contamination~~ to check for changes in the residual contamination conditions. If changes or entry are evident, or if casualties such as fire or tornados are reported, investigation and corrective action are to be initiated by the licensee and reports made as required by 10 CFR 20.

It is our opinion that the measures described for controlling access to portions of the plant that need to be maintained as a restricted area are sufficient, and that the amendment requested should be issued.



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