

**MARTIN COMPANY**

Baltimore,  
Maryland  
21203

August 16, 1966  
Mail No. 845

*Amend. 20*  
*19-1398-29*

Refer to:  
ACC-498

U. S. Atomic Energy Commission  
Division of Material Licensing  
Washington, D. C.

Attention: Mr. W. H. Ray, Irradiated Fuels Branch

Subject: Proposed Amendment to Martin Byproduct License  
No. 19-01398-29

- Reference:
- (a) Martin letter dated July 7, 1966 (ACC-491)  
(To W. H. Ray from C. W. Keller)
  - (b) AEC letter dated July 20, 1966 (DML:IFB:WHR)  
(To C. W. Keller from W. H. Ray)
  - (c) License Application dated April 15, 1964 as  
Amended (Document MND-3137)

Gentlemen:

The Martin Marietta Corporation requests that Byproduct Material License No. 19-01398-29 be amended to authorize the decontamination of the Martin facility at Quehanna, Pennsylvania in connection with the termination of production activity at the facility. We discussed our position in reference (a) and we are requesting this proposed amendment in compliance with your instruction in reference (b).

The decontamination effort will be accomplished in compliance with procedures which are presently authorized by Byproduct License No. 19-01398-29 and will be conducted under the direct supervision of experienced Quehanna personnel and under the overall surveillance of the resident health physics group. The general operations of the effort will include:

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- (1) Removal of processing and support equipment installed in the cells and isolation rooms including removal of piping and tanks, as necessary.
- (2) Removal of the Stationary Overhead Transfer System.
- (3) General decontamination of the facility to contamination levels defined by the contractual relations of the parties concerned.
- (4) Disposition of equipment and material as dictated by contractual agreement.

During this program we plan to utilize techniques and to take special measures which we have developed during operation of the facility and during the clean-up of Cells 1 and 2. Planning and indoctrination meetings will be conducted prior to non-routine work to familiarize all personnel in the assignments to be accomplished and in the precautions to be taken. We will maintain back-up support equipment and personnel as required by the work to be done. Extensive radiation surveys will be conducted before authorizing personnel access to highly hazardous areas in order to establish radiation rates and to set occupancy times such that personnel exposure may be controlled in accordance with established radiation protection standards. Radiation dose rates will be minimized when possible through the use of remote handling tools.

The only anticipated additions to the decontamination techniques discussed in our prior application (reference c), are the use of sandblast and grinding equipment to remove strongly adherent and/or impregnated contaminants. The resulting hazards presented by these techniques will be controlled in accordance with the authorized procedures currently in use at the facility and as discussed above.

Decontamination of equipment suitable for reuse will be governed by the planned future use of the equipment. Such equipment will be packaged, shipped and transferred to an authorized licensed recipient. Other contaminated equipment and waste will be packaged in accordance with ICC regulations and shipped to an approved burial site.

Mr. W. H. Ray

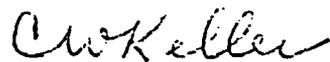
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We request your approval of this proposed amendment to Byproduct Material License No. 19-01398-29 by September 12, 1966 in order that we may maintain the proposed schedule for our decontamination effort. Thank you for your usual cooperative effort in this matter.

Very truly yours,

MARTIN MARIETTA CORPORATION  
MARTIN COMPANY - Baltimore Division



C. W. Keller  
Nuclear Accountability  
& Licensing Representative

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