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IFB File IV A

Original signed by W.H. Ray

W. H. Ray, Irradiated Fuels Branch, DML

QUEHANNA RESIDUAL ACTIVITY CONFERENCE WITH PENN STATE AUGUST 12, 1966

A meeting was held at the Bethesda Offices of AEC at the request of Penn State representatives to discuss residual radioactivity and byproduct licensing requirements for the Quehanna Facility at the close of the Martin-Marietta Company tenure of the hot cells at Quehanna.

Attending for Penn State were: George Geisler and Rodger Granlund. A. E. Aikens, Jr. and W. H. Ray represented IFB-DML-AEC.

Geisler had invited M. J. Gaitanis, ~~the~~ Martin's Manager at Quehanna, to attend, but he was unable to due to family illness. Mr. Ray had advised Joe Machurek of DID regarding the meeting, but no representative of DID attended.

Penn State exhibited a Thermofax copy of a Martin paper (MND-3062-32) which proposed residual radiation and contamination levels that might be left by Martin-Marietta in the cells, service area, hot lab., waste disposal plant, and other specific portions of the Quehanna Facility for Penn State to take over at the conclusion of the Martin lease.

Although Penn State felt that some of the limits were higher than they would like in the cells (because of the impediment 500 mR/hr would inflict upon the installation of equipment in the future) we made it clear that DML would not object, as long as the activities were maintained under adequate control by a responsible licensee such as Penn State.

Penn State indicated that they would like to secure the facility and provide only occasional inspection surveillance. However, during such a secured status, maintenance and craftsman might be sent to perform various tasks in the facility without health physicist escort.

In the light of this proposal, we suggested that the 100 mR/hr limit tabulated in MND-3062-32 for the hot laboratory and the decontamination room be reduced tenfold to the limit proposed for the service area, through which entrance to these rooms is gained. These rooms are not a part of the cell block structure and are not quite as invulnerable to tornado or fire damage as the cells.

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The Martin document proposed installation of clean filters, but not cleaning out the duct work. The exhaust system was to be left in operation with a monitor functioning. We indicated that the building decontamination proposed, which included painting over residually contaminated surfaces with two layers of contrasting paint, that it would be unnecessary to maintain exhaust system operation. Mr. Ray suggested that if the exhaust system were shut down, that the ducts should be capped. Mr. Aikens favored clean out of the duct work. In a discussion as to how this could be accomplished, it appeared that dismantling would probably be necessary.

Penn State had a copy of the "Radioactive Contamination Limits for Abandonment of Facilities and Equipment" which we transmitted to Martin-Marietta July 20, 1966. We explained that these limits were established for decontamination to an extent that would require no licensing. Penn State was particularly interested in the last paragraph which decrees that inaccessible areas and piping which have had an opportunity to become contaminated shall be considered to be contaminated in excess of the limits.

Penn State may decide that they wish the facility decontaminated to an extent which will not require licensing. How much of this they can persuade Martin-Marietta to do under their lease contract, and how much Penn State may have to invest in such an effort (either at this time or subsequently) remains for Penn State to determine.

Penn State is planning to remove the stored reactor fuel from the facility and terminate the reactor license at Quehanna.

Following the meeting with the Irradiated Fuels Branch, Rodger Granlund discussed with Dan Howell of the Isotopes Branch applications which he is sending in regarding cobalt irradiation facilities at Penn State. No problems were apparent in the discussion, and the personal contact was appreciated by both parties.

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cc: Cx W. K. Eister

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