GPU Nuclear

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4410-82-L-0020

Office of Inspection and Enforcement
Attn: Mr. Ronald C. Haynes, Director
Region I
US Nuclear Regulatory Commission
King of Prussia, PA 19406

Dear Sir:

Three Mile Island Nuclear Station, Unit 2 (TMI-2)
Operating License No. DPR-73
Docket No. 50-320
Exposure to a Station Employee's Skin of the Head

As a result of the TMI Dosimetry Group's retrospective review and evaluation of dosimetry records for individuals who were occupationally exposed to ionizing radiation and radioactive materials during the TMI-2 accident period of March 28-31, 1979, an apparent high beta exposure of Auxiliary Operator 'T' was detected on April 24, 1980. A formal investigation, evaluation, and dose assessment was conducted by the GPU Nuclear Technical Staff. A report describing the investigation and dose assessment was submitted to the NRC via letter LL2-81-0003 dated January 15, 1981.

The above referenced report was reviewed and evaluated by an independent NRC contractor who made pertinent recommendations in a Technical Report, EGG-SSDC-5883, "Independent Evaluation of TMI Worker Exposure and Personnel Dosimetry , May, 1982. Based on the recommendations contained in Technical Report EGG-SSDC-5883, the GPU Nuclear Technical Report transmitted to the NRC in letter LL2-81-0003 has been revised to include all of the recommendations. The revisions, however, did not change the dose as originally assigned.

Accordingly, attached is a copy of the revised technical report required by 10 CFR 20.405 concerning the exposure of the skin of the head of a station employee. This technical report is entitled, "Investigation and Reassessment of the Beta and Gamma Radiation Exposure of Auxiliary Operator 'T' on March 28, 1979", 9210-0593 (Enclosure 1). The information required by 10 CFR 20.405(b) is provided in Enclosure 2.

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