

GPU Nuclear, Inc.  
Route 441 South  
Post Office Box 480  
Middletown, PA 17057-0480  
Tel 717-944-7621

October 06, 1998

1920-98-20561

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

Dear Sir:

Subject: Three Mile Island Nuclear Station, Unit 1, (TMI-1)  
Operating License No. DPR-50  
Docket No. 50-289  
          Submittal of Proprietary Polestar Report  
REF.: Control Room Habitability Evaluation, dated March 24, 1998

By request of the Project Manager, the enclosed calculation is being transmitted to the NRC for the purpose of aiding the Staff in its technical review of the Control Room habitability. This calculation supports a substantive reduction in the CR dose consequences previously transmitted by GPU Nuclear Inc. letter dated March 24, 1998 referenced above (Letter No. 1920-98-20145). The calculation will also support a future Technical Specification Change Request for an increase in the Accident Recirculation Systems Leakage rates and related dose consequence analyses performed for the Maximum Hypothetical Accident.

The enclosed POLESTAR Calculation: PSAT 05656A.04, Rev. 0, "Calculation of TMI-1 Engineered Safety Feature Component Leakage Iodine Release" contains proprietary information as defined in 10 CFR 2.790(a)(4). Accordingly, it is requested that this document be withheld from public disclosure. An affidavit certifying the basis for this application for withholding as required by 10 CFR 2.790(b)(1) is also enclosed with this letter, along with a non-proprietary version of the report.

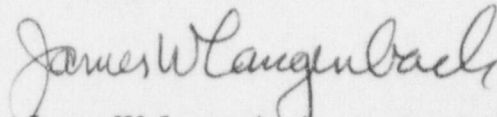
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If you have any questions or need additional information please contact our Mr. Gregory M. Gurican of the TMI Nuclear Safety & Licensing group at (717) 948-8753.

Sincerely,



James W. Langenbach  
Vice President and Director, TMI

JWL/gmg  
File: 98159

- Enclosures:
- (1) Proprietary POLESTAR Calculation No. PSAT 05656A.04, Rev. 0, "Calculation of TMI-1 Engineered Safety Feature Component Leakage Iodine Release."
  - (2) Non-Proprietary POLESTAR Calculation No. PSAT 05656A.04, Rev. 0, "Calculation of TMI-1 Engineered Safety Feature Component Leakage Iodine Release."
  - (3) Polestar Applied Technology, Inc. AFFIDAVIT Certifying Request for Withholding from Public Disclosure

cc: Administrator Region I  
TMI Senior Resident Inspector  
TMI Senior Project Manager