U.S. NUCLEAR REGULATORY COMMISSION
REGION I

Report Nos. 50-219/86-15
50-289/86-08

Docket Nos. 50-219
50-289

License Nos. DPR-16
DPR-50

Category C

Licensee: GPU Nuclear Corporation
100 Interpace Parkway
Parsippany, New Jersey 07054

GPU Nuclear Corporation
Post Office Box 480
Middletown, Pennsylvania 17057

Facility Names: Oyster Creek Nuclear Generating Station
Three Mile Island Nuclear Station, Unit 1

Inspection At: Parsippany, New Jersey

Inspection Conducted: April 30 - May 2, 1986

Inspector: G. Napuda, Lead Reactor Engineer — 5/30/86 date

Approved by: Dr. P. K. Eapen, Chief
Quality Assurance Section, OB, DRS — 6/30/86 date

Inspection Summary: Routine announced inspection on April 30-May 2, 1986 (Combined Report Nos. 50-219/86-15; 50-289/86-08)

Areas Inspected: Independent safety reviews and overviews by the General Office Review Board (GORB), audits and previously identified items by one region-based inspector.

Results: No violations were identified.

## DETAILS

1.0 Persons Contacted

GPU Nuclear Corporation

*I. Finfrock, Jr., Chairman General Office Review Boards (GORBs)
R. Markowski, QA Program Development/Audit Manager
R. Whitesel, Vice Chairman GORBs

Other licensee administrative and technical personnel were also contacted during the inspection.

*Denotes those present at the exit meeting held May 2, 1986

2. Previously Identified Items

(Open) Violation (289/85-27-07). Failure to properly implement the onsite independent safety review process.

Based on the review of the status of the corrective action and program implementation discussed in paragraph 4.0 this item remains open pending further review of program implementation.

3. Offsite Independent Review

3.1 Program

A General Office Review Board (GORB) has been established for the Oyster Creek (OC) Station and another for Three Mile Island, Unit 1 (TMI-1). The primary responsibility of the GORB is to independently consider potentially significant nuclear and radiation matters including related management aspects of those matters. A secondary responsibility to consider potentially significant industrial safety matters. The GORBs provide advice and report directly to the Office of the President. The GORB makes written recommendations to the Chief Operating Officer or appropriate Vice President and requires written responses by the addressees.

The documents listed in Attachment A were reviewed to determine the following had been accomplished.

-- Procedures were established in accordance with regulatory requirements and licensee commitments.

-- The organization was structured and staffed to meet QA Program requirements.

-- Organizational independence existed and interfaces were delineated.

-- Appropriate responsibilities were established and assigned.

-- Procedures were established for the control of GORB activities;

-- Provisions were established to assure that records are properly maintained and transferred to a storage facility;

-- Administrative controls and human resources were established to support the required organizational responsibilities;

-- Provisions were established to assure that GORB receives information and intelligence gathering resource materials upon which to base its reviews and activities.

3.2 Organization and Staffing

Each GORB has eleven members including the Chairman and Vice Chairman. One but not more than two members are from the operating organization, one from the engineering organization and five from outside the General Public Utilities (GPU) employee group. Administrative and technical resources are provided by the Nuclear Safety Assessment Department (NSAD). The collective expertise of each GORB includes nuclear station design, nuclear power plant operation, materials, engineering (nuclear, mechanical, electrical), instrumentation and controls, quality assurance, training and human factor analysis, safety analysis and accident control, radiation safety, metallurgy, chemistry and radiochemistry. The four permanent GORB major issue committees that have been established are Risk and Control Process, Human Factors, Hardware and Radcon, and Modifications and Maintenance.

3.3 Implementation and Findings

GORB meeting minutes between November 1984 to March 1986 (Nos. 105-113) and December 1984 to April 1986 (Nos. 62-70) for OC and TMI-1 respectively were reviewed and the following were noted.

-- GORB met every second month;

-- Meetings were held onsite and lasted a minimum of two days;

-- Presentations were given by the plant Review Group, Independent Onsite Safety Review Group, GORB committees and Quality Assurance;

-- Subjects reviewed and discussed included Licensee Event Reports, Technical Specification changes, response to NRC IE inspection reports, industrial safety, plant status, outage schedule, Appendix R modifications, non-licensed training, reliability and risk assessments, and QA audit adverse findings and responses;

-- Recommendations and Action Items were discussed at each meeting, documented, and tracked through close out;

-- Meeting minutes were formatted to the standard agenda;

-- The Chairman of the GPU Board of Directors and board members observed a number of GORB meetings and on occasion attended the full two day sessions;

-- GORB members had extensive experience and most held post graduate university degrees;

-- Recommendations were well formulated, received prompt attention and close out actions were adequate (random samples);

-- GORB was persistent in pursuit of the satisfactory close out of their items.

No violations were identified.

4. Nuclear Safety Assessment

The independent technical and safety review of procedures and other developed documents (e.g. modifications, specifications, Technical Specification changes) are performed by individuals in a pool of reviewers. Master matrices contain the names of qualified technical and independent safety reviewers at both stations and the corporate offices. Each organization division has a Technical Review Coordinator who assigns the reviews to individuals selected from the matrices. The technical reviewer may be from the same division as the originator but the independent safety reviewer must be from another division.

A review of the limited amount of work accomplished since recent revisions to implementing procedures (see paragraph 2) indicated the following.

-- A bi-monthly report was transmitted to the NSAD Director;

-- The Independent Onsite Safety Review Group (ISORG) has had no recent recommendations;

-- The ISORG reviewed TS Change Request No. 112 and "signed off" the cover sheet;

-- The annual review cycle for the review of trends in functional area performance is not yet due.

No items violations were identified.

5. Audits

Audit packages S-OC-83-13, Safety Review; S-TMI-86-04, TMI-1 Safety Review (a draft); and O-OC-85-04, Safety Review Program were reviewed and verified that:

-- The audits were conducted in accordance with a written checklist covering the scoped audit area;

-- The audits were conducted by qualified/trained personnel independent of the authority over the area audited;

-- The identified deficiencies were documented and reviewed;

-- Corrective action followup was adequate and timely;

-- Audit frequency and general audit conduct were in accordance with the established schedule and procedures.

No violations were identified.

6. Management Meetings

Licensee management was informed of the scope and purpose of the inspection at the entrance interview on April 30, 1986. The findings of the inspection were discussed with licensee representatives during the course of the inspection and presented to licensee management at the May 2, 1986 exit interview (see paragraph 1 for attendees).

At no time during the inspection was written material provided to the licensee by the inspectors.

ATTACHMENT A

Documents Reviewed

General Office Review Boards (GORBs) Responsibility, Authority, Organization and Resources, Revision 2

GORBs Administrative Procedures, Revision 2

6310-ADM-1010.01, Independent Onsite Safety Review Group Procedure-TMI-1, Revision 4

Resumes of GORB members

GPU Review and Approval Matrix

GPU Nuclear Corporate Policy and Procedures Manual, 1000-PLN-1291.01

GPU Nuclear and Radiation Safety Plan, Revision 0-00