



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

METROPOLITAN EDISON COMPANY

JERSEY CENTRAL POWER & LIGHT COMPANY

PENNSYLVANIA ELECTRIC COMPANY

DOCKET NO. 50-289

THREE MILES ISLAND NUCLEAR STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 23  
License No. DPR-50

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The applications for amendment by Metropolitan Edison Company, Jersey Central Power & Light Company, and Pennsylvania Electric Company (the licensees) dated September 4, 1975 and November 22, 1976, comply with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the applications, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment.

3. This license amendment is effective 60 days after the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert W. Reid, Chief  
Operating Reactors Branch #4  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

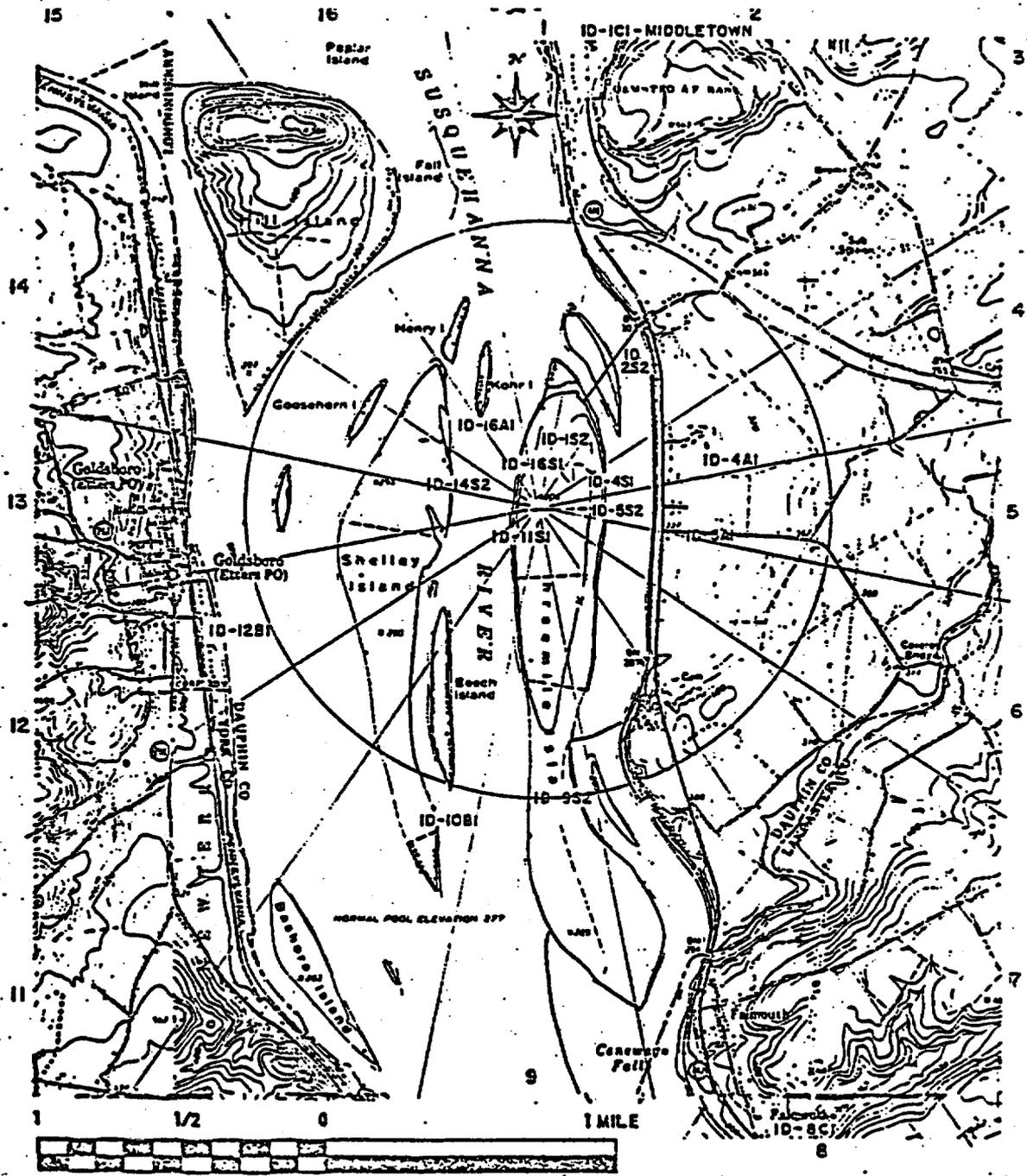
Date of Issuance: January 17, 1977

ATTACHMENT TO LICENSE AMENDMENT NO. 23

FACILITY OPERATING LICENSE NO. DPR-50

DOCKET NO. 50-289

Remove pages 50 (Figure 3), 54 (Figure 5) and 57 from the Appendix B Technical Specifications and insert the attached replacement pages. The changes on the revised pages are shown by marginal lines.

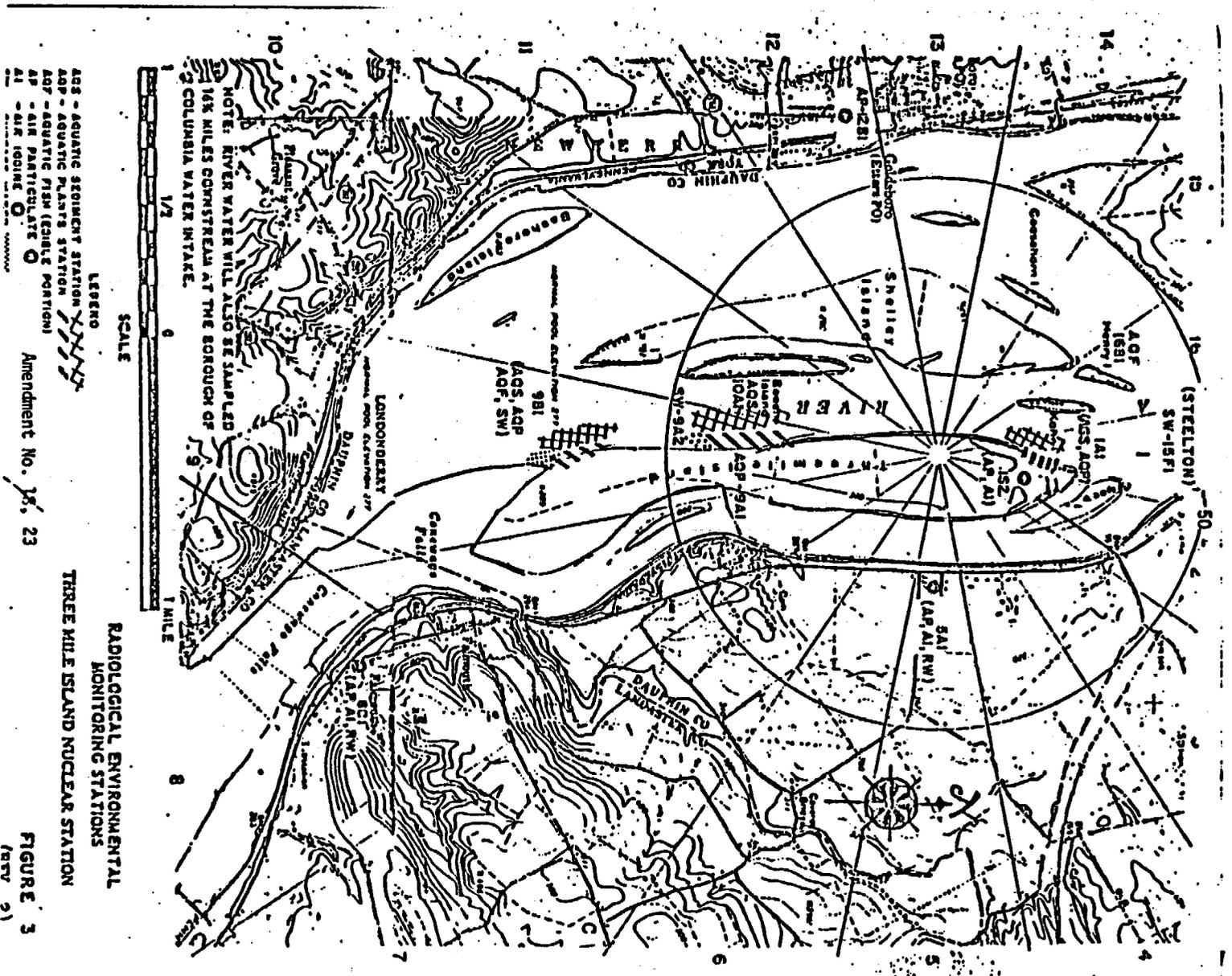


**LEGEND**  
 ID-TLD STATION (IMMERSION DOSE)

**TLD INDICATOR STATIONS**  
**THREE MILE ISLAND NUCLEAR STATION**

**FIGURE 5**  
**REV. 2**

Amendment No. 18 22



LEGEND

AQF - AQUATIC PLANT STATION

AQF - AQUATIC PLANT STATION (SIBBLE PORTION)

AQF - AQUATIC FISH (SIBBLE PORTION)

AQF - AIR PARTICULATE

Amendment No. 23

FIGURE 3  
(REV. 91)

RADIOLOGICAL ENVIRONMENTAL  
MONITORING STATIONS  
THREE MILE ISLAND NUCLEAR STATION

will be reported, with associated calculated error, as pico-curies of I-131 per liter of milk at the time of sampling, in accordance with Reporting Requirements for Environmental Radiological Monitoring.

Special attention will be paid to those locations where milk is produced for direct consumption by humans - e.g., the family farm.

- d. A census will be conducted during the midpoint of the grazing season to determine the location of cows in potentially affected areas within a five mile radius of the plant.

If it is learned via the census that there are a considerable number of additional locations where milk is produced in the vicinity of the plant, the location(s) may be chosen which serves as a valid indicator of other locations in that meteorological sector, rather than sampling every location.

#### Bases

The number and distribution of sampling locations and the various types of measurements described in Table 3, together with the pre-operational background data, will provide verification of the effectiveness of plant effluent control and indication of measurable changes in the activity of the environment.

Weekly samples may be missed in the event of adverse conditions such as weather, equipment failure, etc. It is not intended that these missed samples be resampled prior to the next scheduled sample date. Monthly and longer period samples, if missed due to these conditions, will be taken within a reasonable time after the adverse condition no longer exists. All deviations from the sampling schedule shall be described in the annual report.

APPRAISAL OF CHANGES IN THE ENVIRONMENTAL TECHNICAL  
SPECIFICATIONS (APPENDIX B) FOR THREE MILE ISLAND  
NUCLEAR STATION, UNIT NO. 1

By letter dated July 31, 1975, the licensee requested relocation of the sample stations 4-A-I, 3-I-I and 2-P-I from the construction personnel parking lot to a new location near the southern tip of Three Mile Island, where the stations would be designated TM-AP-9S1, TM-AI-9S1 and TM-RW-9S1. This change was approved by Amendment No. 18 to the Facility Operating License. In attempting to implement this relocation the licensee has encountered legal problems which have prevented his use of the proposed site. By his letter dated November 22, 1976, the licensee has proposed an alternate location (coordinate 8C1) near the east bank of the river and approximately 0.75 mile further downstream (southeast). In this location the samplers will be approximately 2.2 miles ESE of the reactor containment, will be in a low traffic area on ground controlled by the licensee and will be near a populated area. The proposed location also generally corresponds with a monitoring location recommended by the NRC staff in the draft supplement to the Three Mile Island Unit No. 2 Final Environmental Statement (NUREG - 0066). Based on these factors we conclude that the proposed new location is suitable for performing monitoring in this region of the plant environs and therefore, that the proposed relocation is acceptable.

The change in frequency for performing a cow census from twice a year to once a year was previously approved by issuance of Amendment No. 18 to the Facility Operating License (NRC letter of July 23, 1976). The requirement was inadvertently changed back to twice a year upon issuance of Amendment No. 20 to the License (NRC letter of August 23, 1976). This occurred because Amendment No. 20 revised some of the same pages revised by Amendment No. 18 and the revised pages issued by Amendment No. 18 had not been officially issued at the time Amendment No. 20 was in preparation. The present change makes the correction necessary to meet the intent of both Amendment No. 18 and Amendment No. 20, and is therefore acceptable.