



Metropolitan Edison Company
Post Office Box 542
Reading Pennsylvania 19603
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June 7, 1979
GQL 0713

Director of Nuclear Reactor Regulation
Attn: R. W. Reid, Chief
Operating Reactors Branch No. 4
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dear Sir:

Three Mile Island Nuclear Station, Unit 1 (TMI-1)
Operating License No. DPR-50
Docket No. 50-289
Unlabeled Fire Doors

Our letter of December 1, 1978 (GQL 1919) described the results of the documentation search that was conducted by Met-Ed in an effort to determine the fire resistance rating of unlabeled fire doors installed at TMI-1. The purpose of this letter is to convey the results of a field survey of the subject doors that was conducted as a result of a January 29, 1979 telecon with members of your staff.

Attached please find a copy of our consultant's report (Gilbert/Commonwealth letter of March 8, 1979, GAI/TMI-1CS-2477). The locations of the doors are indicated on the TMI-1 Fire Hazards Analysis Drawings (E-023-004, -016, and -017) forwarded with GQL 1919.

Met-Ed intends to leave the following doors in place, as is: D-108, C-1, C-202, C-204, C-205, C-206, C-303, C-304, C-306, C-404, and C-503. Door C-1 is the "B" label door shown on E-023-017 at the 285' elevation. Please note that Door C-304 was incorrectly described in GQL 1919 as an oversize door constructed to "A" label requirements. It is a standard size "B" label door, and it is considered to provide an adequate fire barrier for its location as currently installed.

Door C-124, a roll-up door equipped with a wicket, has been re-evaluated since GQL 1919. The door will be replaced with a rated door and frame assembly and a suitably constructed wall.

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S 1/1

R. W. REID

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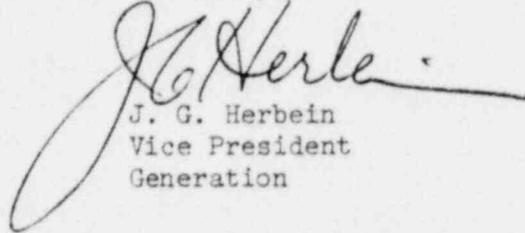
For the following doors, Met-Ed intends to replace the frame but re-use the doors and hardware: C-207, C-307, C-312, and I-101.

Doors C-103, C-403, and C-423 have been replaced with bullet resisting doors, certified to meet "A" label fire resistance requirements, as part of the Security Program. Door C-103 is the door shown on Drawing E-023-017 as the "B" label door between the Control Building area CB-1 and the Control Building stairwell.

As stated in GQL 1919, Met-Ed intends to replace doors and frames C-131, C-415, C-418, and S-157 with assemblies bearing the UL "A" label.

Met-Ed seeks NRC concurrence with the above proposed action.

Sincerely,



J. G. Herbein
Vice President
Generation

JGH:WSS:mrm
Attachment



March 8, 1979

GAI/TMI-1CS-2477

Mr. R.M. Klingaman
Manager Generation Engineering
Metropolitan Edison Company
P.O. Box 542
Reading, Pennsylvania 19640

Re: Three Mile Island Nuclear Station Unit 1
Fire Hazard Analysis
Scope Item 12
GAI W.O. 044692-094

Dear Mr. Klingaman:

We have completed our study on the unlabeled fire doors at the _____ location and submit the following comments:

1. Access door D-108 between the two fire areas within the diesel generator building is listed on GAI drawings, and the manufacturer's shop drawings as U.L. Class "A" fire doors and frame. We have reviewed and field inspected these doors and frames and find that the inactive door and frame are provided with U.L. Class "A" labels. The active door is not provided with a U.L. Class "A" label. Based on our review and field observations it is our opinion that the doors and frame assembly meet the requirements for a U.L. Class "A" rating and the fire hazard analysis report.
2. Stairwell doors in the control building C-1, C-205, C-206, C-303, C-304, C-404, and C-503 are listed on GAI drawings, and the manufacturer's shop drawings as U.L. Class "B" doors and frames. Based on our review and field observations it is our opinion that the door and frame assemblies meet the requirements for a U.L. Class "B" rating and the fire hazard analysis report.

Please note that a fire in the fuel handling building would have to pass through two U.L. Class "B" - 1½ hour fire resistance rating doors to spread through the stairwell to the control building.

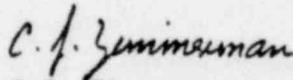
3. Doors C-202 and C-204 are listed on GAI drawings and the manufacturer's shop drawings as being "A" label construction. The door frame anchors are indicated on GAI drawings and the manufacturer's shop drawings as the "hat" type, No. 9396, and are welded to the frames at the factory. The door frames are also stitch welded to the three hour fire resistance rated metal partitions and girt support system.

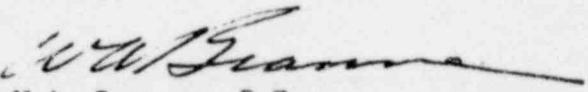


The term "A" label construction means that the doors and frames were constructed in accordance with U.L. "A" label requirements but the size of the door and frame prohibits the manufacturer from attaching a label. Based on our review and field observations it is our opinion that the doors and frame assemblies meet the requirements for a U.L. Class "A" rating and the fire hazard analysis report.

4. Doors I-101, C-207, C-307 and C-312 were fabricated in accordance with U.L. Class "A" requirements. The door frames do not meet U.L. requirements because a typical door frame was removed and no frame anchors could be found. Therefore it is assumed that the four subject door frames are the same and will have to be replaced with U.L. rated frames. Based on our review and field observations it is our opinion that all the doors meet the requirements for a U.L. Class "A" rating and the fire hazard analysis report.
5. Door C-306 was fabricated in accordance with U.L. Class "A" requirements. Based on our review and field observations it is our opinion that the doors and frame meet the requirements for a U.L. Class "A" rating and the fire hazard analysis report.
6. Doors C-103, C-403 and C-423 are security doors and are to be certified to meet a U.L. Class "A" rating.

Very truly yours,


C.J. Zimmerman
Registered Architect


W.A. Brannen, P.E.
Registered Fire Protection Engineer

CJZ/WAB:daf

cc: R.M. Klingaman
R.R. Lefin
I.R. Reed
K.R. Gable
R.C. Noil
R.J. Stevens
T.A. O'Connor
R.M. Rogers
P.J. Shipper