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Docket Nos. 50-352/353

MEMORANDUM FOR: Robert L. Tedesco, Assistant Director
 for Licensing
 Division of Licensing

FROM: William V. Johnston, Assistant Director
 Materials & Qualifications Engineering
 Division of Engineering

SUBJECT: REVIEW OF REACTOR INTERNALS MATERIALS OF PHILADELPHIA
 COMPANY LIMERICK GENERATING STATION, UNITS ONE AND TWO

Plant Name: Limerick Generating Station, Units 1 & 2
 Suppliers: General Electric; Bechtel
 Licensing Stage: OL
 Docket Nos.: 50-352/353
 Responsible Branch & Project Manager: LB #2; H. Abelson
 Reviewer: J. Halapatz
 Requested Completion Date: Open
 Description of Task: SER Input re SRP 4.5.2, "Reactor Internals Materials"
 Review Status: Request for Information

The Materials Engineering Branch, from its review of the Limerick Generating Station, Units 1 & 2, FSAR, has determined that insufficient information has been provided to support a safety evaluation of reactor internals materials as addressed in SRP 4.5.2, "Reactor Internals Materials." In the attachment to this memorandum we have identified the additional information necessary to complete our review.

William V. Johnston, Assistant Director
 Materials & Qualifications Engineering
 Division of Engineering

Enclosure: As stated

cc: R. Vollmer
 D. Eisenhut
 A. Schwencer
 E. Sullivan
 W. Hazelton
 C. Cheng
 R. Klecker

OFFICE ▶	W. Abelson	DE:MTEB	DE:MTEB	DE:MTEB		
URNAME ▶	J. Halapatz	JHalapatz:aj	WHazelton	WJohnston		
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252.1 Reactor Internals Materials

Provide for the listed reactor internals components

1. Core plate and related hardware
2. Top guide and related hardware
3. Steam separator assembly
4. Steam dryer assembly
5. Core spray line
6. Feedwater sparger
7. Core shroud
8. Control rod guide tube assembly
9. Core spray sparger
10. Jet pump assemblies
11. Orificed fuel supports
12. Peripheral fuel supports
13. Weld fabricated non-ASME reactor internals

the following information:

1. Certified material test reports (CMTRs) for the materials of construction.
2. Weld procedure qualification records relating to the welding procedures used in fabrication.
3. Component fabrication welding records identifying welding process, voltage, current, electrode or filler material and size, travel speed, weave width, preheat temperature, interpass temperature, joint geometry and dimensioning.
4. Component fabrication in-process and final heat treatment records, viz., furnace charts and related records identifying furnace atmosphere, heatup and cooldown rates and cooldown method.

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URNAME ▶							
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