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For Div of Compliance

P MPA256 PD MORRISTOWN NJER 3 515P EDT

DOC PETER A MORRIS DIRECTOR, DIVISION OF REACTOR LICENSING

UNITED STATES ATOMIC ENERGY COMMISSION WASHDC

SUBJECT: OYSTER CREEK REACTOR VESSEL REPAIR

THIS IS IN RESPONSE TO YOUR LETTER OF JUNE 25, 1968 TO MR JOHN E LOGAN VICEPRESIDENT JERSEY CENTRAL POWER AND LIGHT CONCERNING RELEASE OF THE TWO REMAINING STUB TUBES FOR REPAIR. THESE STUB TUBES ARE DESIGNATED S3 AND T4 IN AMMENDMENT NUMBER 35. WE ARE PROCEEDING TO IMPLEMENT THE ACTIONS OUTLINED ON PAGE ONE OF YOUR LETTER AS YOU HAVE REQUESTED. WITH REGARD TO PAGE TWO WHICH WOULD INVOLVE EXPOSURE OF CLAD AND UNCLAD SAMPLES OF STUBE TUBE MATERIAL TO THE REACTOR COOLANT WE ARE UNABLE TO DETERMINE HOW ANY MEANINGFUL INFORMATION COULD BE OBTAINED FROM SUCH A SURVEILLANCE PROGRAM. THE REASONS FOR THIS ARE AS FOLLOWS: ONE--AS A RESULT OF THE STUB TUBE REPAIR ONLY CLAD STUB TUBE MATERIAL WILL BE EXPOSED TO THE REACTOR COOLANT. THE CLADDING MATERIAL IS TYPE 304L STAINLESS STEEL WHICH WAS DISCUSSED IN AMENDMENT NUMBER 37 IS MORE RESISTANT TO INTEGRANULAR CORROSION THAN THE AUSTENITIC STAINLESS STEEL IN COMMON USE IN REACTOR PLANTS. TWO--IT IS NOT FEASIBLE TO SIMULATE IN CLAD OR UNCLAD SAMPLES THE ACTUA

OPERATING CONDITIONS TO WHICH THE STUB TUBES WILL BE EXPOSED (I.E., THE THERMAL GRADIENTS, PRESSURE AND RESIDUAL STRESSES TO WHICH THE STUB TUBES ARE SUBJECTED.)

IT IS THEREFORE OUR OPINION THAT THERE IS INSUFFICIENT TECHNICAL JUSTIFICATION FOR CARRYING OUT A STUB TUBE SAMPLE SURVEILLANCE PROGRAM. ACCORDINGLY WE ARE PRESENTLY PROCEEDING TO COMPLETE THE STUB TUBE REPAIR OPERATION INCLUDING CLADDING OF THE REMAINING TWO STUB TUBES ON THE BASIS THAT A STUB TUBE MATERIAL SAMPLE SURVEILLANCE PROGRAM WILL NOT BE REQUIRED. FOR YOUR INFORMATION AT PRESENT THERE ARE TWO REMAINING SAMPLES OF UNCLAD STUB TUBE MATERIAL (APPROX 1/2" BY 1 INCH AND 1/2" BY 1/2" SURFACE AREA) AND TWO SAMPLES OF CLAD STUB TUBE MATERIAL (APPROX 90 DEGREE SEGMENTS OF THE TWO RING SAMPLES REMOVED FROM CLAD STUB TUBES). FINAL DISPOSITION OF THESE SAMPLES HAS NOT YET BEEN DETERMINED

G H RITTER JERSEY CENTRAL POWER AND LIGHT CO PO BOX 55 MORRISTOWN NJER

25 1968 S3 T4 35 304L 37 1/2" 1 1/2" 1/2" 90.

18/O'R 7/8/68
Jr 7/8/68
JLX 7/8/68
LX 7/9/68
GHR 7/10/68

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U.S. ATOMIC ENERGY COMM
REGULATORY
MAIL & RECORDS SECTION

1968 JUL 5 AM 8 12

RECEIVED

2403

COPY SENT REGION

8 2121

MEMO ROUTE SLIP

Form AEC-93 (Rev. May 14, 1947)

See me about this.

Note and return.

For concurrence.

For signature.

For action.

For information.

TO (Name and unit) P. A. Morris THRU: R. S. Boyd <i>RB</i>	INITIALS DATE	REMARKS OYSTER CREEK UNIT NO. 1 Compliance informed us that evidence of intergranular attack on the exterior surfaces of the safe ends attached to isolation condenser outlet steam lines
TO (Name and unit) cc: F. Schroeder S. Levine J. O'Reilly V. Stello	INITIALS DATE	REMARKS (2), core spray lines (2), and control rod drive hydraulic return line (1), has been observed. Per Amendment 40, Jersey Central reported that intergranular attack was found on one (1) of the safe ends of the isolation condenser steam line. No formal response from Jersey Central to date on the
TO (Name and unit) <i>RHE - info</i>	INITIALS <i>RB</i> DATE <i>9/24</i>	REMARKS discrepancy.
FROM (Name and unit) R. Tedesco <i>RT</i>	REMARKS <i>Kopler</i> <i>Reinhardt</i>	9-26-68
PHONE NO. <i>7476</i>	DATE 9/23/68	

USE OTHER SIDE FOR ADDITIONAL REMARKS

GPO: 1947 O-233-131