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**DOCUMENT NO. 50-219**

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**DOE 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 SURVEILANCE 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 308L STAINLESS STEEL WHICH WAS DISCUSSED IN AMENDMENT NUMBER 37 IS MORE RESISTANT TO INTEGRANULAR CORPOSION 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 SOB TUBES ARE SUBJECTED.)

IT IS THEREFORE OUR OPINION THAT THERE IS INSUFFICIENT TECHNICAL JUSTIFICATION FOR CARRYING OUT A STUB TUBE SAMPLE SURVELIANCE 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 SURVELIANCE PROGRAM WILL NOT BE REQUIRED. FOR YOUR INFORMATION AT PRESENT THERE ARE TWO REMAINING SAMPLES OF UNCLAD STUBTUBE 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 308L 37 1/2" 1 1/2" 1/2" 90.

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