

From: Lawrence Rossbach
To: Allan.haeger@Exeloncorp.com
Date: 4/6/01 2:55PM
Subject: EPU Fluence questions

We would like to set up a call to discuss the attached questions.

CC: Anthony Mendiola; Edward Andruszkiewicz; Edward Kendrick; Lambros Lois;
Robert Pulsifer; Stewart Bailey

Docket Nos. 50-237, 50-249, 50-254, and 50-265

Dresden/Quad Cities EPU: Fluence

The following questions apply to both Dresden and Quad Cities:

1. The original fluence estimate was 5.1×10^{17} n/cm² for all four units. The projected value including the 17 percent and 17.8 percent power uprates (to the end of the current license) for Dresden is 4.4×10^{17} n/cm² and Quad Cities is 4.5×10^{17} n/cm² which are considerably lower. The licensee's justification for the new, lower fluence estimates is based on the results of calculations using the GE methodology which is currently under staff review.

Because the methodology has not yet been approved nor is it in its final form, please present any other corroborating evidence that the calculated values are reliable.

2. Will the projected core loadings (after the power uprate) follow any low leakage pattern?
3. Are there dosimeter measurements (where dosimeters are not behind the jet pump or jet pump risers) which could justify the proposed values? If dosimeters are used please report and justify the neutron spectrum utilized for the conversion of the dosimeter activation to neutron flux.