



State of New Jersey  
Department of Environmental Protection and Energy

Robert C. Shinn, Jr.  
Commissioner

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U.S. Nuclear Regulatory Commission  
Document Control Room  
Washington, D.C. 20555

Ladies and Gentlemen:

Subject: Oyster Creek Nuclear Generating Station (OCNGS)  
Docket No. 50-219  
Light Water Nuclear Reactor (LWR) Structural Integrity.  
Fracture Mechanics Analysis for Upper Shelf Energy (USE)  
per Requirements of Generic Letter GL 92-01, Revision 2

Generic Letter 92-01, Revision 2 ("Reactor Vessel Integrity")  
requested specific information from the utilities, for NRC to  
access their compliance with 10 CFR 50, Appendices G and H.

GPU Nuclear (GPU), the licensee, reported that since 1977  
there have been several information exchanges between the NRC and  
GPU regarding the plant's USE issues.

On September 22, 1992, GPU submitted its initial response to  
GL 92-01, Rev. 1 to the NRC. GPU's initial evaluation had  
concluded that (for the assumptions used) three beltline plates  
currently have less than 50 ft-lb USE (lower screening criterion).  
Later, since initial USE data for the beltline welds and other  
miscellaneous site-specific data were not available, to satisfy  
concerns raised by the NRC regarding the adequacy of the available  
data, GPU decided to supplement their analysis and rely instead on  
the Boiling Water Reactor Owners' Group's efforts for resolution of  
GL 92-01 issues.

In its supplementary submittal (9/7/93), GPU indicated that  
their earlier analysis, based on the incomplete plant-specific data  
presented in earlier submittals, is to be superseded by the  
approach of the report "BWR Owners' Group Topical Report on Upper  
Shelf Energy Equivalent Margin Analysis" (NEDO-32205, prepared for  
the BWROG by GE Nuclear). GPU asked the NRC to review the OCNGS

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USE case in the light of this latter approach. The BWR report (which also contains pertinent data from OCNGS), was developed following methods provided in ASME Boiler and Pressure Vessel Code Case N-512. It is understood that the approach and conclusions of this report are acceptable to the NRC. The plants that can confirm the applicability of this report to their individual cases, may demonstrate that at 32 "effective full years of operation" their USEs will remain higher than the allowable limits derived from the equivalent safety margin analysis.

The New Jersey Department of Environmental Protection and Energy's Bureau of Nuclear Engineering staff has reviewed documentation on this issue (starting with the 9/22/92 GPU's submittal) and has no comments.

If you have any questions, please contact Suren Singh at (609) 987-2039, or Ariadni Kapsalopoulou at (609) 987-2052.

Sincerely,



Kent Tosch, Manager  
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