

September 19, 1988 5000-88-1637 GPU Nicelar Corporation
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U.S. Nuclear Regulatory Commission Attention: Document Control Desk Mail Station P1-137 Washington, D.C. 20555

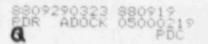
Gentlemen:

Subject: Oyster Creek Nuclear Generating Station (OCNGS)
Docket No. 50-219
Seismic Floor Response Spectra

The purpose of this letter is to summarize and describe GPUN's effort to develop updated seismic floor response spectra for the Oyster Creek Reactor Building and how this effort impacts our commitment to have all systems which fall within the scope of IE Bulletins 79-02 and 79-14 meet design criteria by the end of the cycle 12 refueling outage. The cycle 12 refueling outage is currently scheduled to commence on Oct. 15, 1988 with twelve to fourteen week duration.

In July of 1987, GPUN first met with the NRC staff in Bethesda, Maryland to discuss the development of a new, more technically appropriate seismic floor response spectra which would eliminate past confusions concerning the Oyster Creek seismic design basis and would maintain consistency for future analyses. At that being GPUN stated that the methodology (i.e., Soil Structure Interaction (SSI) & use of SEP ground spectra) for the new floor response spectra would be reviewed under 10 CFR 50.59 and the new spectra would be applied to the current reanalysis being undertaken for IE Bulletins 79-02 and 79-14.

GPUN and the NRC have agreed that a more technically appropriate floor response spectra utilizing a state of the art technique would be beneficial. Although the development of the floor response spectra is being implemented under 10CFR50.59, we have been and will continue to be in close contact with the NRC staff for its guidance and concurrence. Follow-up meetings were held with the staff on September 3, 1987, December 21, 1987, March 8, 1988 and May 23, 1988. Correspondence in response to NRC questions has been submitted at various times during the past year. In response to the staff's letter of December 16, 1987, GPUN is currently developing confirmatory site specific ground spectra with Weston Geophysics Corporation in an effort to verify the acceptability of using the SEP ground spectra in the SSI analysis. NRC staff and their consultant also audited the newly developed floor response spectra methodology at the offices of GPUN's consultant, URS/Blume & Associates Engineers on November 17 and 18, 1987.





criteria. The remaining piping models (approximately 30%) currently satisfy operability criteria when using the original seismic criteria.

- The majority of supports (approximately 86%) currently satisfy the FSAR design criteria. Attachment I is a pie chart for IEB 79-14 support upgrades as of September 9, 1988, which shows greater detail.
- All support upgrades based on the new floor response spectra will be completed by restart from the cycle 12 refueling outage. It should be noted that, with only several exceptions, all supports which are being upgraded have been designed to the greater load from either the new or original seismic criteria.
- The majority of IE Bulletin 79-02 anchorage inspections or upgrades (approximately 90%) has been documented. Attachment 2 is a pie chart for 79-02 anchorage inspections as of September 9, 1988, which shows preater detail.
- All IEB 79-02 anchorage inspections or upgrades base; on the new floor response spectra will be completed by restart from the cycle 12 refueling outage.
- Should resolution with the NRC regarding the floor response spectra cause an increase in accelerations which exceed the response spectra currently being used, the few remaining upgrades would be completed, in accordance with an Integrated Schedule.

Public health and safety is not compromised. In fact, safety margins are now more clearly defined with the new floor response spectra.

Of the 691 pipe supports covered by the IE Bulletins, only 28 upgrades required by the original seismic criteria would not be performed since these upgrades are not necessary when considering new floor response spectra. However, eight upgrades identified by using the new seismic input will be performed during the upcoming cycle 12 refueling outage.

We are currently in the process of resolving questions raised by the NRC staff during our last meeting on May 23, 1988. We plan to meet with the staff in the near future to discuss our response to the questions and any comments you may have concerning this letter.

If there are any questions regarding this letter which you need to discuss prior to the meeting, please contact Mr. Michael W. Laggart at (201)316-7968.

R. F. Wilson Vice President Technical Functions

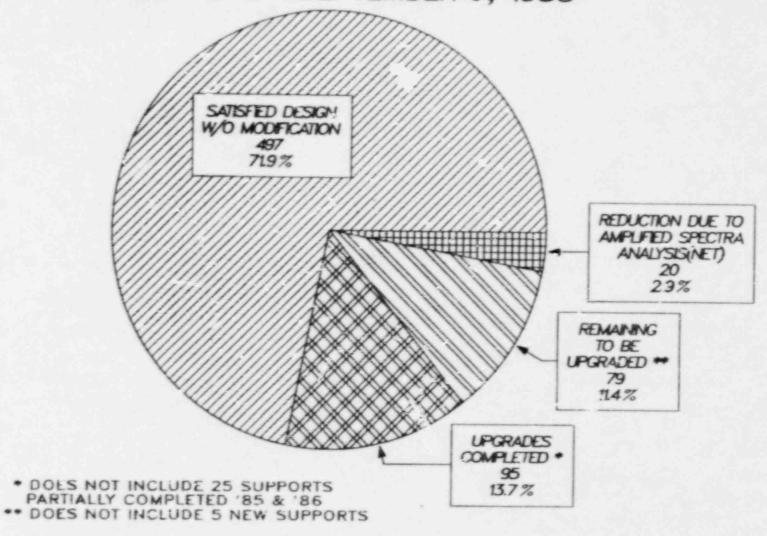
Very truly yours,

RFW/ML/pa(7276f)
cc: Mr. William T. Russell, Administrator
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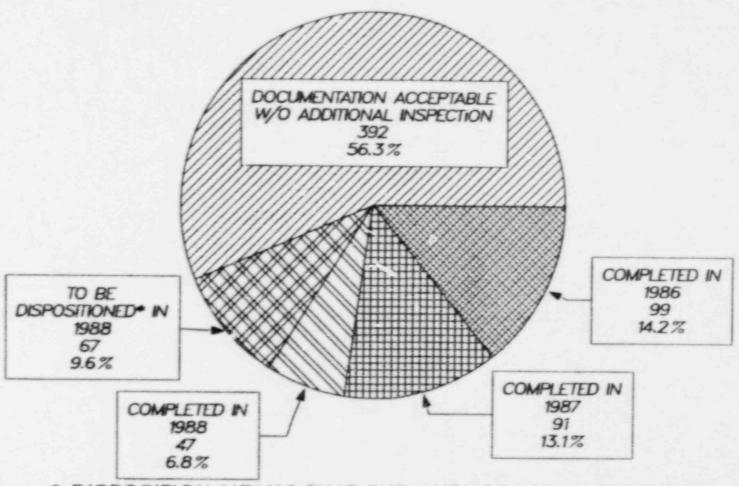
NRC Resident Inspector Oyster Creek Nuclear Generating Station Forked River, N.J. 08731

Mr. Alex Dromerick U.S. Nuclear Regulatory Commission Mail Station P1-137 Washington, D.C. 20555

79-14 SUFPORT UPGRADES STATUS AS OF SEPTEMBER 9, 1988



79-02 ANCHORAGE INSPECTIONS STATUS AS OF SEPTEMBER 9, 1988



* DISPOSITION MEANS THAT THE ANCHORAGE WAS EITHER INSPECTED OR UPGRADED TO SATISFY HIGHER LOADS.