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72-1008
72-1014



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January 28, 1998

Mr. Mark S. Delligatti
Senior Project Manager
Spent Fuel Licensing Section, SFPO, NMSS
U.S. Nuclear Regulatory Commission
11555 Rockville Pike
Rockville, MD 20852

- Reference:
1. NRC Dockets 71-9261, 72-1008, and 72-1014 for HI-STAR 100 and HI-STORM 100 Systems
 2. LLNL Report UCRL-ID-126295, "Evaluation of Low Velocity Impact Tests of Solid Steel Billet onto Concrete Pads and Application to Generic ISFSI Storage Cask for Tipover and Side Drop", March 1997

Dear Mr. Delligatti:

As you are aware, Holtec International has submitted applications for approval of the HI-STAR 100 and HI-STORM 100 spent fuel management systems (Reference 1 dockets) in accordance with 10CFR71 and 10CFR72.

In the most recent submittals, the application for the HI-STAR 100 System was revised to incorporate the evaluation of accidental tipover and drop events in storage in conformance with the Reference 2 Lawrence Livermore National Laboratory (LLNL) report. We are currently revising the HI-STORM 100 application to incorporate the revised analysis methods.

In order to gain a fuller understanding of the LLNL methodology and reported results, we request that one of the references of the report be provided. In the report on page 4, paragraph 4.1, the report's authors refer to the SSDP project completed in 1988 wherein the Stanford Research Institute measured and reported the properties of concrete. It appears these values were used by LLNL in finalizing the Reference 2 report.

If possible, could you please determine if the report on concrete properties can be forwarded to us for reference? As we are currently finalizing the HI-STORM 100 analysis, we would appreciate a timely response to our request.

If you have any comments or questions, please contact me.

Sincerely yours,

Gary T. Tjersland
Director of Licensing and Product Development
Document ID: 5014149

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