



Entergy Nuclear Northeast  
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NL-10-097

September 17, 2010

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Subject: Indian Point Energy Center Registration of Unit 2 Spent Fuel Cask Use  
Indian Point, Unit 2  
Docket Nos. 50-247 & 72-51  
License No. DPR-26

Dear Sir or Madam;

Entergy Nuclear Operations, Inc. (Entergy) operates the Indian Point Energy Center (IPEC) Independent Spent Fuel Storage Installation (ISFSI) in accordance with the general license provisions of 10 CFR 72.210. The conditions of 10 CFR 72.212(b)(1)(ii) include the registration of a spent fuel cask within 30 days of using a cask for storage of spent nuclear fuel.

Accordingly, this letter hereby registers the use, on August 20, 2010, of the ninth (9) IPEC Unit 2 dry fuel storage cask. The cask was loaded to Amendment #2 of the Holtec CoC #1014 and the corresponding Holtec CFSAR Revision 4. This cask is the fourteenth (14) IPEC dry fuel storage cask to be added to the IPEC ISFSI pad.

This letter also provides the following registration information associated with the fourteenth Holtec HI-STORM 100 spent fuel cask system that was placed into storage on the IPEC ISFSI pad [Docket No. 72-51]. The fuel contained in this cask is from IPEC Unit 2 Nuclear Power Plant, Reactor License No. DPR-26, Docket No. 50-247.

[Ninth Unit 2 Spent Fuel Cask]  
Fourteenth IPEC Spent Fuel Cask System Date placed in use: August 20, 2010

Licensee's Name: Entergy Operations, Inc.  
Licensee's Address: Indian Point Energy Center  
450 Broadway  
P.O. Box 249  
Buchanan, NY 10511

Cask Model Number: HI-STORM 100  
Cask Certificate Number: 1014  
MPC Serial Number: 101  
HI-STORM Overpack Serial Number: 0376

Number of Fuel Bundles: 32 fuel bundles

NMSS01

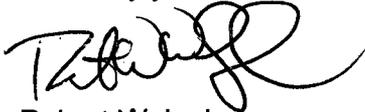
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**Total Cask Systems stored at the IPEC ISFSI pad [Docket No. 72-51]:**

Fourteen (14) HI-STORM 100 Cask Systems

Entergy is making no new commitments in this letter. Should you have any questions regarding this matter, please contact Mr. Timothy J. Salentino, Superintendent Dry Fuels Storage, at Indian Point Energy Center at (914) 734-6421.

Sincerely yours,



Robert Walpole  
Manager, Licensing  
Indian Point Energy Center

cc: NRC Resident Inspector's Office  
Mr. John Boska, Senior Project Manager, NRC NRR DORL  
Mr. Theodore Smith, Project Manager, NRC FSME DWMEP  
Mr. Marc Depas, Acting Regional Administrator, NRC Region 1  
Mr. Francis J. Murray, Jr., President and CEO, NYSERDA  
Mr. Paul Eddy, New York State Dept. of Public Service