



Entergy Nuclear Northeast
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NL-11-120

October 24, 2011

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 September 28, 2011, of the fourteenth (14) 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 nineteenth (19) IPEC dry fuel storage cask to be added to the IPEC ISFSI pad.

This letter also provides the following registration information associated with the nineteenth 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.

[14th Unit 2 Spent Fuel Cask]
19th IPEC Spent Fuel Cask System Date placed in use: September 28, 2011

Licensee's Name: Entergy Nuclear 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: 145
HI-STORM Overpack Serial Number: 0453

Number of Fuel Bundles: 32 fuel bundles

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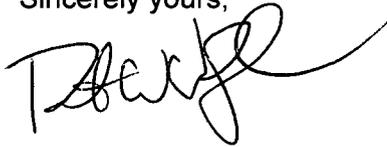
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Total Cask Systems stored at the IPEC ISFSI pad [Docket No. 72-51]:

Nineteen (19) 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,



RW/as

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