Entergy

Indian Point Energy Center
450 Broadway, GSB
P.O. Box 249
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Tel (914) 734-6700

J.E. Pollock
Site Vice President
Administration

February 5, 2008

Re: Indian Point Unit 2
Docket 50-247
NL-08-027

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**

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 initial use, on January 11, 2008, of the first IPEC dry fuel storage cask, January 22, 2008, of the second IPEC dry fuel storage cask, and February 2, 2008, of the third IPEC dry fuel storage cask.

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

First IPEC Spent Fuel Cask System Date placed in use: January 11, 2008

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:	0051
HI-STORM Overpack Serial Number:	0223
Number of Fuel Bundles:	32 fuel bundles

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Second IPEC Spent Fuel Cask System Date placed in use: January 22, 2008

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:	0054
HI-STORM Overpack Serial Number:	0221
Number of Fuel Bundles:	32 fuel bundles

Third IPEC Spent Fuel Cask System Date placed in use: February 2, 2008

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:	0055
HI-STORM Overpack Serial Number:	0222
Number of Fuel Bundles:	32 fuel bundles

Total Cask Systems stored at the IPEC ISFSI pad [Docket No. 72-51]:
Three (3) HI-STORM 100 Cask System

Entergy is making no new commitments in this letter. Should you have any questions regarding this matter, please contact Mr. John Janicki, Superintendent Dry Fuels Storage, Indian Point Energy Center at (914) 734-6611.

Sincerely yours,

J. E. Pollock
Site Vice President
Indian Point Energy Center

cc: NRC Resident Inspector's Office, IPEC
Mr. John Boska, Senior Project Manager, NRC NRR DORL
Mr. Theodore Smith, Project Manager, NRC FSME DWMEP
Mr. Samuel Collins, Regional Administrator, NRC Region 1
Mr. Paul D. Tonko, President, NYSERDA
Mr. Paul Eddy, New York State Dept. of Public Service