

## Haverkamp, Trisha

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**From:** McKinley, Raymond  
**Sent:** Monday, October 06, 2014 12:21 PM  
**To:** Mary Lampert  
**Subject:** RE: Responses to Your Questions: Pilgrim Dry Cask Storage Dated Sept 3 2014

Good Morning Mary,

In response to your questions dated 10/2/2014:

The NRC intends to inspect Entergy's plans for radiation monitoring of their independent spent fuel storage installation (ISFSI) at Pilgrim during upcoming inspection activities. Typically we have seen licensees at other sites install thermoluminescent type dosimeters at the ISFSI periphery. The frequency that licensees have performed radiological monitoring from dosimeters has varied from quarterly to yearly based on their specific program requirements. The results of radiological monitoring associated with the ISFSI are included in the licensee's REMP report.

Regards,

Ray McKinley  
Chief, Division of Reactor Projects Branch 5  
U.S. NRC Region I

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**From:** Mary Lampert [<mailto:mary.lampert@comcast.net>]  
**Sent:** Thursday, October 02, 2014 2:43 PM  
**To:** McKinley, Raymond  
**Subject:** RE: Responses to Your Questions: Pilgrim Dry Cask Storage Dated Sept 3 2014

Hello Ray:

Quick question: Does Entergy plan to do more than radiation monitoring at the periphery of the dry cask facility every quarter?

More precisely, what will the radiation monitoring schedule be at the periphery of Pilgrim's dry cask facility?

Will the results be published in the REMP?

Cheers

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**From:** McKinley, Raymond [<mailto:Raymond.McKinley@nrc.gov>]  
**Sent:** Wednesday, October 01, 2014 3:58 PM  
**To:** [mary.lampert@comcast.net](mailto:mary.lampert@comcast.net)  
**Subject:** FW: Responses to Your Questions: Pilgrim Dry Cask Storage Dated Sept 3 2014

Good Afternoon Mary,

On September 3, you submitted a number of questions related to spent fuel storage at Pilgrim. Our technical staff have provided responses which are contained in the attached PDF document.

Regards,

Ray McKinley  
Chief, Division of Reactor Projects Branch 5  
U.S. NRC Region I

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**From:** Mary Lampert [<mailto:mary.lampert@comcast.net>]  
**Sent:** Wednesday, September 03, 2014 10:11 AM  
**To:** McKinley, Raymond  
**Cc:** Dean, Bill; [weavenel@gmail.com](mailto:weavenel@gmail.com); Becky Chin; James lampert; marischka dopp; Nancy Nowak; Pat Gagnon  
**Subject:** FW: Responses to Your Questions: Pilgrim Dry Cask Storage

Hello Ray and Bill:

Again thank you for your response to my previous questions. After reading the response additional questions came to mind regarding defective fuel cladding and how it will be handled when transferred out of the pool.

**Defective Fuel Cladding:** Pilgrim, and the industry as a whole, has in its pool fuel with defective fuel cladding, probably exacerbated by longer periods between re-loading that runs the fuel harder.

- Q.1. Does NRC and Entergy have a record on which assemblies in Pilgrim's pool are or may be defective?
- Q.2. Does NRC and Entergy know where in Pilgrim's pool the likely-defective cladding fuel is located?
- Q.3. Does defective fuel have a potential to leak if it is transferred to a dry cask?
- Q.4. Is it possible for that fuel to fall apart due to movement from the fuel pool to a dry cask?
- Q.5. Will that fuel be placed in dry casks or left in the fuel pool?
- Q.6. Will the defective fuel be treated differently when placed into a dry cask than fuel that is not defective?
  - a) If so what special treatment will it get?
  - b) How many defective assemblies are we talking about?

We know that the 1st fuel load at PNPS was the 7x7 fuel and that fuel had a lot of leaks due to cracking of the fuel clad.

One of those 7x7 fuel bundles was dropped during fuel transfer for the reactor to the fuel pool during RFO #1; and that fuel bundle was placed in a special container to protect it from failure.

- Q.7. Will that bundle be placed in a fuel cask?
- Q.8. If so will it be in the special container when put into the cask or removed from that container?

Thank you in advance and enjoy the belated summer weather.

Mary