

**From:** Michael Webb  
**To:** internet:kkingsl@entergy.com  
**Date:** 3/18/04 8:51AM  
**Subject:** Re: Spent Fuel Storage at Indian Point 1

INDIAN POINT 1 119  
50-003  
Project Manager -  
Michael Webb

Kevin,  
Some food for thought.  
Mike Webb

>>> 03/10/04 02:32PM >>>

Ambient rad levels would be acceptable with no water or other shielding? I would also focus on the accident analyses. What is the new potential for a criticality event, loss of radioactive material, etc., without the water? Shielding, confinement, maintaining subcriticality and retrievability are the major concerns for Part 72.

>>> Michael Webb 03/10/04 02:21PM >>>

SFPO colleagues,

In my recently assumed position as Project Manager for Indian Point 1, I just had a telephone conversation with Kevin Kingsley of the IP licensing staff.

He had an interesting proposal they are considering. IP-1 is experiencing liner leakage in their spent fuel pool and is considering ways to address the issue.

**Plan A** is to take advantage of partitions in the pool and move bundles from one area to the next, drain the defective area to make repairs, and then move the fuel back into the repaired sections.

**Here is where it gets interesting:**

**Plan B** would be to drain the pool and allow the fuel to remain in dry storage within the fuel racks in the pool. Apparently, they have done preliminary analyses and believe they would be okay from heat removal and radiological perspectives (since they shut down in 1974, all their fuel is at least 30 years old). They would need to do further studies and analyses, but

**are there any obvious regulatory requirements that would preclude them from doing this?** I took a quick look at 10 CFR 51.23 and did not see anything that would explicitly forbid this.

Thanks for any insights you might be able to provide.

Mike

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**Creation Date:** 3/26/04 11:36AM  
**From:** Michael Webb

**Created By:** MKW@nrc.gov

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