

**Barber, Scott**

**From:** David Lew  
**Sent:** Monday, April 20, 2009 5:16 PM  
**To:** Marc Ferdas  
**Cc:** Ronald Bellamy; Scott Barber  
**Subject:** RE: FOLLOWUP to SUNDAY EMAIL

thanks Marc. Good stuff!

**From:** Marc Ferdas  
**Sent:** Monday, April 20, 2009 3:04 PM  
**To:** David Lew  
**Cc:** Ronald Bellamy; Scott Barber  
**Subject:** FOLLOWUP to SUNDAY EMAIL

Dave,  
On Sunday you had several questions concerning the operational and engineering impacts on the tritium issue.

(b)(5)

Also, I need to clarify what I said about the modification planned to bypass the portion of piping in question. The Tmod would involve installing 2-4 hot taps so a bypass line can be installed without removing service flow and installing 2 stopple valves to isolate the portion of the pipe in question. See the following link on hot taps and stopple valves: [http://www.tdwilliamson.com/Documents/TDW\\_Services\\_HTP\\_Brochure.pdf](http://www.tdwilliamson.com/Documents/TDW_Services_HTP_Brochure.pdf)

Ron Bellamy or Scott Barber can walk you thru the modification (they have a simplified sketch of the concept) and where the hot taps and stopple valves would be installed.

I apologize for the confusion over "hydrostop" in my earlier email.

I am also available to discuss this as well.

*Marc S. Ferdas*  
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609-693-0702

**From:** David Lew  
**Sent:** Sunday, April 19, 2009 3:41 PM  
**To:** Marc Ferdas  
**Subject:** RE: UPDATE: OC Tritium Issue 4/19

thanks

**From:** Marc Ferdas  
**Sent:** Sunday, April 19, 2009 3:34 PM  
**To:** David Lew  
**Subject:** RE: UPDATE: OC Tritium Issue 4/19

Information in this record was deleted  
in accordance with the Freedom of Information  
Act, exemptions  
FOIA-3009-034

C-13

I am not fully sure what a hydrostop is. I think it involves putting higher pressure water on one side of a valve to prevent flow. I will check into this further on Monday.

Also, my understanding of the new system is that the pumps are not EDG backed. Also, some of the piping for the new mod is not safety related. I will also check further into this on Monday. I have not had a chance to fully understand the system since I got back from EDO's office. Its been one fire fight over the next.

**From:** David Lew  
**Sent:** Sunday, April 19, 2009 11:58 AM  
**To:** Marc Ferdas  
**Subject:** RE: UPDATE: OC Tritium Issue 4/19

(b)(5)

**From:** Marc Ferdas  
**Sent:** Sunday, April 19, 2009 11:52 AM  
**To:** Peter Wilson; John White; Ronald Bellamy; Ronald Nimitz  
**Cc:** David Lew; Darrell Roberts; Marc Ferdas; James Clifford  
**Subject:** UPDATE: OC Tritium Issue 4/19

UPDATE As of April 19 @ 11 am

Based on Guided Wave testing, OC is focusing on the 6" condensate transfer system to hotwell makeup system pipe. This portion of the piping also supports makeup to the IC by sending condensate transfer to the turbine building and then reactor building. OC also continues to pursue the CST as a possible source and are determining actions to further explore if needed.

See below for latest status of activities by department.

#### ENGINEERING

- Developing a TMod to jumper around the 6" condensate transfer pipe and not interrupt service flow to hotwell or Isolation Condensers (credited makeup source)
- (b)(5)
- OC would then pressure test portion of piping that would be isolated to determine if the source of the leak.
- TMod package expected to be completed on Tuesday.

#### OPERATIONS

- (b)(5)

- Expected completion Monday.

#### CHEMISTRY

- Results of sample from "leaking" conduit in ESW vault shows 1.2M pCi/L.
- Working w/ State of NJ to get permits to install 2 new wells near CST.