

Pham, Bo

From: Pham, Bo
Sent: Wednesday, April 14, 2010 5:56 PM
To: 'Hurley, Bobbie'; Eccleston, Charles
Subject: RE: Scoping response - Once-through
Attachments: Closed-cycle cooling Response.doc

try this:

Bo Pham
Chief, Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
301-415-8450

From: Hurley, Bobbie [mailto:Bobbie.Hurley@aecom.com]
Sent: Wednesday, April 14, 2010 5:16 PM
To: Pham, Bo; Eccleston, Charles
Subject: Scoping response - Once-through
Importance: High

Thoughts ... is this too short? How much detail do you think we should include ... sometimes shorter is better☺

Response: The comments, in general, relate to the aquatic ecology associated with Salem's once-through cooling systems and the potential retrofitting of Salem's once-through cooling water system to cooling towers. It is NRC's policy to evaluate reasonable or foreseeable alternates associated with relicensing activities as part of Chapter 8 of the SEIS. The NJDEP, Division of Water Quality determined that the Station's once-through cooling system in conjunction with an intake flow limitation, and enhanced fish return system, and the study and potential implementation of a multi-sensory hybrid system constitutes best technology available⁽¹⁾. Based on the NJDEP determination, NRC has concluded that retrofitting the Salem's once-through cooling water system to cooling towers is not reasonable or foreseeable and therefore will not be addressed in the SEIS.

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^[1] DEP, undated. Factsheet for a Draft NJPDES Permit Including Section 316(a) Variance Determination and Section 316(b) Decision.
Permit No: NJ0005622. Division of Water Quality.

Response: The comments, in general, relate to the aquatic ecology associated with Salem's once-through cooling systems and the potential retrofitting of Salem's once-through cooling water system to cooling towers. The NRC has, in the past, evaluated cooling towers as an alternative for license renewal. In each of those cases, however, the staff deemed such an alternative reasonable and foreseeable because the permitting authority (the states) had indicated that they would mandate closed-cycle cooling as part of the NPDES permitting processes. In the case of Salem, the NJDEP, Division of Water Quality has previously determined that the Station's once-through cooling system in conjunction with an intake flow limitation, an enhanced fish return system, and the study and potential implementation of a multi-sensory hybrid system constitutes best technology available¹¹. Based on this determination from NJDEP, the NRC does not consider the retrofitting of Salem's once-through cooling water system a reasonable or foreseeable alternative, and therefore will not further address it in the SEIS.

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- Comment [bmp1]: Even better if we can do a direct quote from the fact sheet.
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¹¹ DEP, undated. Factsheet for a Draft NJPDES Permit Including Section 316(a) Variance Determination and Section 316(b) Decision. Permit No: NJ0005622. Division of Water Quality.