

NRR-DMPSPEm Resource

From: Chawla, Mahesh
Sent: Thursday, May 9, 2019 4:09 PM
To: Davis, J.Michael (J.Michael.Davis@nexteraenergy.com)
Cc: 'laura.swenzinski@nexteraenergy.com'; Catron, Steve (Steve.Catron@fpl.com); Kilby, Gary
Subject: Request for Additional Information - Duane Arnold Energy Center - Request for Approval of Certified Fuel Handler Training Program - EPID: L-2019-LLL-0003

Dear Mr. Davis,

By letter dated January 29, 2019, NextEra Energy Duane Arnold, LLC, pursuant to 10 CFR 50.2, requested approval of the Duane Arnold Energy Center (DAEC) Certified Fuel Handler Training and Continuing Training Program. The Nuclear Regulatory Commission (NRC) staff, in the process of reviewing the human performance associated changes in this application, has determined the need to request the following additional information:

REQUEST FOR ADDITIONAL INFORMATION

Title 10 of the *Code of Federal Regulations* (10 CFR), Section 50.34(f)(2)(iii) requires, in part, that the licensee or applicant provide, for Commission review, a control room design that reflects state-of-the-art human factor principles.

Chapter 18, "Human Factors Engineering," Revision 3, of NUREG-0800, "Standard Review Plan for the Review of Safety Analysis Reports for Nuclear Power Plants: LWR Edition," provides guidance for the review of Human Factors Engineering (HFE) considerations of plant modifications and important human actions (HAs). NUREG-0711, "Human Factors Engineering," Revision 3, provides guidance for the staff's review of HFE programs, to ensure that HFE practices and guidelines were appropriately considered and incorporated in the plant design and modifications. NUREG-1764, "Guidance for the Review of Changes to Human Actions," Revision 1, provides guidance for reviewing changes to HAs, such as those that are credited in nuclear power plant safety analysis.

NUREG-0711, Review Element 10, "Training Program Development," provides guidance for the NRC staff's evaluation of the training program which offers reasonable assurance that plant personnel have the requisite knowledge, skills, and abilities to perform their roles and responsibilities. Section 10.4.3, "Learning Objectives," states, in part, that the applicant should derive learning objectives from the analysis describing the desired performance after training. Section 3.2.2.1 of the Fundamental Training section of the License Amendment Request states that training materials will be designed based on the learning objectives. The NRC staff has reviewed [procedure TR-AA-203-1000](#), Revision 1, "Systematic Approach to Training Process," which contains a section on the design phase of the training process. It is not clear from the procedure how the learning objectives will be developed.

Please provide a detailed description of the process for developing the learning objectives for the Certified Fuel Handler Training and Continuing Training Program.

If needed, please arrange a clarification call with NRC staff at your earliest possible. Otherwise provide your response on the docket within 30 days of the receipt of this email. Thanking you,

Sincerely,

Mahesh Chawla

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Tracking Status: None

"Kilby, Gary" <Gary.Kilby@fpl.com>

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