Request to provide technical and/or organisational information via WANO

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| **NAME OF REQUESTING PLANT & COMPANY: EDF Energy Generation - Sizewell B NPP** |
| **REQUEST SUBJECT: SOER 2011-3 Spent Fuel Facility Degradation, loss of Cooling and Make Up** |
| **REQUEST OBJECTIVE:**  To obtain feedback/information from other NPP’s/facilities on how Recommendation 4: Verify a program exists to regularly check/test the functionality of vacuum/siphon breakers associated with Spent Fuel Pool (SFP) cooling or coolant inventory systems was satisfied. |
| **DESCRIPTION OF THE PROBLEM:**  Sizewell B PWR have demonstrated that, in the unlikely event of partial drain down due to syphoning, cooling capability for the Spent Fuel Pool and Refueling Cavity would not be affected.  An ALARP argument has been presented to justify this approach.  Have other utilities performed similar analysis or have they physically tested their siphon breakers? |
| **SPECIFIC QUESTIONS:**   1. Was engineering analysis (modelling) used to satisfy SOER 2011-3 Recommendation 4? 2. Were siphon breakers physically tested and how? 3. Was a Fuel Storage pond tech spec level change required to test the siphon breakers? 4. If tested, how was the risk of draining the SFP below tech spec level mitigated? |
| **SUGGESTED ORGANISATION TO RECEIVE THIS REQUEST:**  All WANO member plants requested to undertake a review of SOER 2011-3 Spent Fuel Facility Degradation, loss of Cooling and Make Up. |
| **Replies to be addressed to:**  Name: Ryan Sanderson  Position: Systems Engineer  e-mail: Ryan.sanderson@edf-energy.com |
| **DATE OF REQUEST: 15/12/2021** |
| **NUMBER (added by WANO PC): 2021-005** |