

PMLevyCOLPEm Resource

From: Habib, Donald
Sent: Monday, November 02, 2015 10:23 AM
To: Kitchen, Robert (Robert.Kitchen@duke-energy.com)
Subject: NRC Staff Questions for Levy MCR Heatup (for 11/12 public teleconference)

Bob –

The staff has the following questions related to Duke's MCR Heatup submittals dated 3/26/15 and 10/14/15. We would like to discuss them with Duke at the public teleconference scheduled for 2pm on 11/12/15

1. Clarify the edition of the CGA Standard (i.e., ANSI/CGA G-7.1) that Levy cites in response to RAI Letter 132.
2. Clarify how the CGA Standard imposes a water requirement for Grade E air given that the standard has an empty or blank box where a limiting characteristic for water would be specified.
3. Clarify how the cited CGA requirement ("this requires that the air dew point should not exceed 10 degrees Fahrenheit lower than the coldest temperature expected"; the standard also states that dew point is expressed in degrees Fahrenheit at one atmosphere pressure absolute) is applied to the VES system
 - a. What is the "...the coldest temperature", and where is this temperature evaluated/assumed.
 - b. What is the maximum air dew point temperature calculated when applying "...air dew point should not exceed 10 degrees Fahrenheit lower than the coldest temperature expected."
 - c. What is the plant location where this maximum air dew point is evaluated/assumed/delivered.
 - d. What periodic checks are planned to determine if the cited air dew point requirement is met (FSAR 9.3.1.4, Tests and Inspections).
4. Clarify what the maximum "pressure dew point" is for the high-pressure air subsystem, which supplies air to the VES system.
5. Clarify the relationship between the air dew point supplied to the MCR and the pressure dew point in the VES air bottles.
6. Clarify the air dew point assumed in the MCR analysis and why this is conservative with respect to MCR Habitability, including:
 - a. What is the relative humidity/dew point in the control room during the 72 hour period following the event (not assumed, but calculated)?

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