

**Teleconference Summary with Progress Energy Florida, Inc.
Levy Combined License Application
November 9, 2009, 1:00 PM EDT**

Discussion Topic

Introductions

Levy County Environmental Review

- Request for Additional Information (RAI) 5.2.2-4 - Status of providing a calibrated DWRM2 TMR model results that consider local scale conditions and the goodness of fit between simulated and observed hydraulic heads in the vicinity of the Levy Nuclear Plant (LNP) site.

Primary topics of interest noted:

1. Discussed the PEF developed potentiometric surface south of Lake Rousseau and the need for additional control points in this area to better match the U.S. Geological Survey (USGS) surface.
2. PEF presented a comparison of the northern and eastern model boundary heads for the DWRM2 model versus those indicated by the USGS potentiometric surface. The boundary heads based on the USGS interpretation were lower.
3. Discussed the implementation of drainage cells and whether or not it was appropriate to eliminate the ability of these cells to drain so as to increase heads in the upgradient areas.
4. Discussed "Levy County high" in the potentiometric surface, the hydrologic controls resulting in this feature, and model implementation.
5. Discussed that PEF will need to "tell the story" regarding modifications made to the DWRM2 model to account for site specific information. The local model is the basis of the NRC staff's assessment so a technically defensible model is essential.

PEF provided the following clarifications on the current state of the model and their path forward:

1. Levy County high, which is likely associated with recharge from lakes in the area, will be implemented using constant head cells.
2. Drain cells will be turned back on allowing drainage to wetlands.
3. Will use heads from USRS potentiometric surface for model boundary conditions.
4. Potentiometric surface will be modified again to include control points south of Lake Rousseau. This modified surface, which should match the USGS map everywhere except in the vicinity of the LNP site, will be the calibration target for inverse modeling.

Other

- Next Teleconference: TBD
- Participants on Teleconference (November 9, 2009):

Paul Snead (PEC)	Doug Bruner (NRC)
Arun Kapur (PEC)	Henry Jones (NRC)
Amanda Berens (CH2M Hill)	Mark McBride (NRC)
Lorin Young (CH2M Hill)	Kimberly Leigh (PNNL)
Jeff Lehnen (CH2M Hill)	Vince Vermeul (PNNL)
	Rajiv Prasad (PNNL)