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Sent: Wednesday, August 12, 2009 3:05 PM
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Cc: Moser, Michelle; Schaaf, Robert; Martin, Jody; Kirkwood, Sara
Subject: Teleconference Agenda / Questions & Clarifications - Levy
Attachments: Teleconference Agenda 081309.doc; Questions and Clarifications Rev 1.doc

All

Attached is the agenda as well as as document containing questions and clarifications for tomorrow's teleconference. The call will be at 1:00 PM EDT, and information to call into the teleconference is as follows:

Toll Free Number: 888-469-1341
Participant Passcode: 54760

Please call me if you have questions,

Thanks,

Doug Bruner

Hearing Identifier: Levy_County_COL_Public
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Teleconference Agenda with PEF
Levy COLA
August 13, 2009, 1:00 PM EDT

Discussion Topic

Introductions

Levy County Environmental Review

- USACE Project Needs and Clarifications
  - LEDPA
  - Jurisdictional Determination

- Requests and Clarifications
  - NRC RAI 2.4.1-3 (Land Use)
    Provide a definition as to what constitutes temporary construction impacts for the LNP site and for the associated offsite facilities, as referenced in Table 2.4.1-3-002 and Table 4.3.1.1-001 of the 6-12-09 *NRC* RAI Response. Confirm that temporary impacts resulting from transmission line construction are treated as permanent impacts for analysis purposes, per Table 2.4.1-3-003 and Table 2.4.1-3-004 from the 6-12-09 *NRC* RAI Response, and in Table 1 of the 3-27-09 *Corps* RAI Response.

  - NRC RAI 2.4.1-3 (Dewatering)
    Provide a copy of the Rizzo model for nuclear island construction dewatering in the Levy reading room. Clarify the 6-12-09 dewatering response to state the time period over which dewatering would occur (e.g., 24 months).

    Provide an evaluation of the effects on adjacent wetlands of dewatering to construct the makeup/blowdown pipeline.

  - NRC RAI 5.3.3.2-1 (Salt Drift)
    Provide a copy of the CREC 1993/1994 annual salt drift report.

  - NRC RAI 2.4.1-3
    Provide Terrestrial GIS files for Attachments 2.4.1-3A and 2.4.1-3D of June 12, 2009 supplemental response, as updated to account for current refinements to wetland and upland cover mapping.

  - NRC RAI 4.3.1-1
    Provide Terrestrial GIS files for Attachment 4.3.1-1A of June 12, 2009 supplemental response, as updated to account for current refinements to wetland and upland cover mapping.

  - NRC RAI 5.2.2-3
    Provide groundwater files as described in 8-6-09 teleconference question 4(c).

- Follow-up Questions and Clarifications (see attached)

- Floodplains Storage Loss / Floodplains Compensation (to be submitted to the NRC by August 17, 2009)

- Status of PEF Environmental Report Update (to be submitted to the NRC on September 25, 2009)

Other

- Next Teleconference: August 20, 2009, 1:00pm EDT (proposed).

- Participants on Last Teleconference (August 6, 2009):

Paul Snead (PEC)	Michelle Moser (NRC)
Joseph Pavletich (PEC)	Michael Masnik (NRC)
Jamie Hunter (PEC)	Michael Smith (PNNL)
Scott Freeman (CH2M Hill)	Linda Fassbender (PNNL)
Martha Klein (CH2M Hill)	Vince Vermeul (PNNL)
George Howroyd (CH2M Hill)	Bill Baber (ICF)
Jeff Lehnen (CH2M Hill)	Don Hambrick (USACE)
Arun Kapur (PEC)	

Follow-up questions/clarifications to PEF's 6-12-09 RAI Supplemental Responses (Part II)

Icing/Fogging

9. New Information Request:
    a) The ER (page 5-38) refers to modeling completed for ground-level fogging and icing at the proposed LNP site, which indicates no predicted instances of ground-level fogging or icing beyond 3280 ft from the nearest cooling tower bank. Provide a copy of the modeling study or, if available as part of the SCA application, provide Internet link. Staff will use this information to document the predicted frequency of icing during operation as it relates to the potential for icing damage to vegetation.

Transmission Lines

10. PEF Response to NRC RAI USACE-5 (NPD-NRC-2009-043):
    a) Tables 1 (uplands) and 2 (wetlands) provide estimates of construction impacts by cover types for transmission lines beyond the first substation (about 97.8 ac over 89 miles of line). The reported construction impacts beyond the first substation are much lower than the reported construction impacts for transmission lines up to the first substation (about 1011.6 ac over about 91 miles) (see Table 4-7 below). Clarify why and whether this is a result of much more of the transmission line beyond the first substation being co-located with existing line. Clarify whether Tables 1 and 2 impacts include clearing impacts. Clarify whether there were no impacts to Residential – Low Density (FLUCCS 110) and other 100 to 300 series land cover types for any of the transmission lines.

Table 4-7. Extent of Construction-Related Impacts on Cover Types for the Associated Offsite Facilities[a].

Cover Type	FLUCCS Code[(b)]	Associated Facilities Excluding Transmission Line (acres)		Transmission Line up to First Substation (acres)		Transmission Line Beyond First Substation (acres)		Total Impacts	
		Permanent	Temporary[c]	Permanent	Temporary[c]	Permanent	Temporary[c]	Permanent	Temporary[c]
Institutional	170								
Recreational	180								
Open land	190	2.0						2.0	
Cropland and pastureland	210								
Row crops	214								
Specialty farms	250								
Other open lands (rural)	260	0.7						0.7	
Shrub and brushland	320								
Mixed rangeland	330								
Upland coniferous forest	410	3.1	0.5					3.1	0.5
Pine flatwoods	411			22.3		3.4		25.7	
Longleaf pine-xeric oak	412			97.1		7.4		104.5	
Sand pine	413			31.3		1.3		32.6	
Upland hardwood Forests	420								
Xeric oak	421			56.4		0.3		56.7	
Live oak	427			6.7				6.7	
Hardwood conifer mixed	434	2.8	1.2	306.3		31.9		341.0	1.2
Coniferous plantations	441	56.8	14.2	201.2		1.1		259.1	14.2
Streams and waterways	510	0.8		1.5		0.6		2.9	
Lakes	520			0.9		0.9		1.8	
Reservoirs	530	0.3		0.3		6.3		6.9	
Reservoirs < 10 ac	534					0.4		0.4	
Bays and estuaries	540								
Wetland hardwood forests	610								
Stream and lake swamps (bottomland)	615			38.6		3.4		42.0	
Mixed wetland hardwoods	617	3.8	1.4					3.8	1.4
Wetland coniferous forests	620								
Cypress	621	1.2	1.4	189.3		2.4		192.9	1.4
Cypress-pine-cabbage palm	624			2.6				2.6	
Wet planted pine	629	42.4	5.4					42.4	5.4
Wetland forested mixed	630	9.2	1.3	26.8		3.8		39.8	1.3

Cover Type	FLUCCS Code[b]	Associated Facilities Excluding Transmission Line (acres)		Transmission Line up to First Substation (acres)		Transmission Line Beyond First Substation (acres)		Total Impacts	
		Permanent	Temporary[c]	Permanent	Temporary[c]	Permanent	Temporary[c]	Permanent	Temporary[c]
Wetland scrub	631					0.1		0.1	
Freshwater marshes	641	8.0	0.8	25.8		33.5		67.3	0.8
Saltwater marshes	642	4.4						4.4	
Wet prairies	643	0.2	0.1	4.5		0.9		5.6	0.1
Emergent aquatic vegetation	644								
Treeless hydric savannah	646	2.6						2.6	
Intermittent ponds	653								
Disturbed land	740								
Transportation	810	1.3						1.3	
Utilities	830								
Totals		**139.5**	**26.4**	**1011.6**		**97.8**		**1249.0**	**26.4**

(a) Associated Offsite Facilities include the heavy haul road, makeup and blowdown pipeline, barge slip and barge slip access road, site access roads, and miscellaneous pipeline. Temporary impacts include a 50 foot buffer adjacent to the CFBC.

(b) FLUCCS = Florida Land Use Cover Classification System

(c) Temporary impacts are represented by a 50-foot buffer adjacent to the pipeline corridor and heavy haul road between the LNP site and the CFBC. All impacts associated with the transmission lines are treated as permanent impacts.

Source: PEF 2009| NRC RAI - Column 3 & 4 = Table 2.4.1-3-002, p70; Column 5 = Table 2.4.1-3-003, p79 & Table 2.4.1-3-004, p80; Column 7=Corps RAI Table 1, p11 & Table 2, p12| and CH2M Hill 2008| CH2M HILL 2008. Ecological report for the Cross Florida Greenway recreational improvement project. Report prepared for Progress Energy| (source for barge slip impacts added to Column 3)|

11. New Information Request:
    a) SCA Volumes 2–6 contain reports for each of the proposed LNP transmission line segments. Each report contains a chapter on "Post Construction Impacts and Effects of Maintenance." The "Maintenance Techniques" subsection in each report states "Endangered or threatened species, if present, are considered and accommodated in the maintenance program." For example, see page 9-A3-62 from the report for the LNP to Proposed Central Florida South Substation. Elaborate on how endangered and threatened species are considered and accommodated.

12. New Information Request:
    a) Using information from the ER and the SCA transmission line reports, staff attempted to prepare a table containing the acreages of FLUCCS cover types within Associated Offsite Facilities corridors, broken down by "Corridors up to the First Transmission Line Substation" and "Corridors Beyond the First Transmission Line Substation." Independent geographic data checking by staff revealed possible quantitative inconsistencies in the data provided in the last RAI response package regarding terrestrial and wetland habitats along the proposed transmission lines. Elaborate on these potential inconsistencies and whether they derive from overlaps in parallel transmission corridors and possible use of multiple FLUCCS baseline cover type data sets. Provide a revised table that quantifies baseline FLUCCS cover types for (1) the transmission lines and other offsite corridors up to the first substation and (2) transmission lines beyond the first substation. Although the ER and the SCA information available for "Corridors Beyond the First Transmission Line Substation" would have been adequate for staff purposes (no overlap between individual corridor segments), staff followed a similar approach (new consolidated shape file, query SWFWMD 2006 database) to maintain consistency in the DEIS (see Table 2-8 below).

Table 2-8. FLUCCS Cover Types within Associated Facilities Corridors

FLUCCS Cover Type	FLUCCS Code[a]	Corridors up to the First Transmission Line Substation		Corridors Beyond the First Transmission Line Substation[b]	
		Acres	Percent	Acres	Percent
Residential, low density	110	1547	6.6	2123	23.4
Residential, medium density	120	24	0.1	376	4.3
Residential high density	130	55	0.2	115	1.3
Commercial and services	140	184	0.8	115	1.3
Industrial	150	103	0.4	35	0.4
Extractive	160	216	0.9	41	0.5
Institutional	170	2	0.1	16	0.2
Recreational	180	59	0.3	19	0.2
Golf courses	182			29	0.3
Open land	190	2097	8.9	843	9.7
Cropland and pastureland	210	5737	24.5	757	8.7
Row crops	214	292.0	1.2	17	0.2

FLUCCS Cover Type	FLUCCS Code[a]	Corridors up to the First Transmission Line Substation		Corridors Beyond the First Transmission Line Substation[b]	
		Acres	Percent	Acres	Percent
Citrus groves	221			79	0.9
Feeding operations	230			13	0.2
Nurseries and vineyards	240	3.0	0.1	17	0.2
Specialty farms	250	22	0.1	8	0.1
Other open lands – rural	260	990	4.2	102	1.2
Herbaceous	310			5	0.1
Shrub and brushland	320	248	1.1	147	1.7
Mixed rangeland	330	24	0.1	4	>0.1
Upland coniferous forest	410	201	0.9	44	0.5
Pine flatwoods	411	202	0.9	75	0.9
Longleaf pine-xeric oak	412	833	3.5	1394	16.0
Upland hardwood forest	420	62	0.3		
Hardwood-conifer mixed	434	2816	11,9	272	3.1
Coniferous plantations	441	1946	8.2	179	2.1
Streams and waterways	510	243	1.0	4	>0.1
Lakes	520	73	0.3	58	0.7
Reservoirs	530	68	0.3	60	0.7
Bays and estuaries	540	3	>0.1		
Stream and lake swamps (bottomland)	615	716	3.0	103	1.2
Wetland coniferous forest	620			6	0.1
Cypress	621	192	0.8	120	1.4
Wetland forested mixed	630	492	2.1	97	1.1
Freshwater marshes	641	794	3.4	211	2.4
Saltwater marshes	642	100	0.4		
Wet prairies	643	234	1.0	16	0.2
Emergent aquatic vegetation	644	73	0.3	8	0.1
Intermittent ponds	653	26	0.1	16	0.2
Disturbed lands	740	114	0.5	32	0.4
Transportation	810	585	2.5	46	0.5
Utilities	830	2069	8.6	1113	12.8
Not classified	n/a	195	0.8	3	>0.1
Total		**23,663**	**100**	**8719**	**100**

(a) FLUCCS = Florida Land Use Cover Classification System.

(b) Excludes acreage of FLUCCS cover types already accounted for in corridors up to the first transmission line substation because of corridor overlap.

Source: FFWCC (2009).

Wetlands/FLUCCS

13. PEF Supplemental Response to NRC RAI 2.4.1-3:
    a) Provide the date (month/year) when wetland field delineations were completed on the LNP site.
    b) Clarify why there were substantial changes to some wetland cover types and acreages on the LNP site (presented in Table 2.4.1-3-001) when compared to the ER (Table 2.4-1). For example, area of Cypress (FLUCCS 621) declined from 717 ac to 402.61 ac; area of Freshwater Marshes (FLUCCS 641) declined from 143 ac to 23.51 ac; Stream and Lake Swamps (Bottomland) (FLUCCS 615) is eliminated; a new cover type, Treeless Hydric Savannah (FLUCCS 646) is identified at 274.37 ac (does this represent recently logged wetland forest or reclassified freshwater marsh?); a new cover type, Mixed Wetland Hardwoods (FLUCCS 617) is identified at 317.62 ac (does this replace Wetland Forested Mixed, FLUCCS 630, which is eliminated?), etc .
    c) Provide site specific descriptions for the following new wetland cover types identified on the LNP site, including predominant onsite vegetation noted in each: Wet Planted Pine (FLUCCS 629), Treeless Hydric Savannah (FLUCCS 646), and Mixed Wetland Hardwoods (FLUCCS 617).
    d) These revised wetland cover types and acreages were used to create an updated DEIS table of FLUCCS cover types for the LNP site (see Table 2-6 below) similar to ER Table 2.4-1. NRC staff assumed that the area of remaining coniferous plantation (FLUCCS 441) can be derived by subtracting area for new wet planted pine from original ER estimate for tree plantations (FLUCCS 440)? Confirm the validity of this assumption. NRC staff assumed that the acreages for the remaining upland cover types are the same as denoted in ER Table 2.4-1 – i.e., that these upland areas were not modified by the final wetland delineation boundaries. Confirm the validity of this assumption. Note that when staff used this approach, the total area for the LNP site is 3109.4 ac vs. 3105 ac, a very minor discrepancy. NRC staff would like to discuss an appropriate resolution for this discrepancy (e.g., reduce area of coniferous plantation by 4.4 ac).

Table 2-6. Area of Cover Types at the LNP Site

Cover Type	FLUCCS Code[(a)]	Approximate Acres	Approximate Percent of LNP Site
Coniferous plantations	441	967.3	31.1
Wet planted pine	629	812.7	26.1
Cypress swamp	621	402.6	12.9
Mixed wetland hardwoods	617	317.6	10.2
Treeless hydric savannah	646	274.4	8.8
Wetland forested mixed	630	156.4	5.0
Other open lands (rural)	260	106	3.4
Freshwater marshes	641	23.5	0.8
Hardwood conifer mixed	434	16	0.5
Wet prairie	643	14.3	0.5
Upland coniferous forest	410	11	0.4
Utilities	830	4.0	0.1
Pine flatwoods	411	3.0	0.1
Shrub and brushland	320	0.6	<0.1
Total cover types		3109.4 vs. 3105	

(a) FLUCCS = Florida Land Use, Cover and Forms Classification System.
Source: PEF (2008a|ER Table 2.4-1|and 2009|6/12/09 RAI Supplemental Response – Table 2.4.1-3-001|).