PMVogtleCOLPEm Resource

From: Fulton, Dale Lane [DLFULTON@southernco.com]
Sent: Thursday, March 11, 2010 3:26 PM
To: Sutton, Mallecia
Subject: LWA ER Section 11
Attachments: ND-10-0520 Enclosure.pdf

Mallecia,

Please find attached a courtesy copy of the replacement section 11 of the LWA ER. The final document is scheduled to be mailed to the NRC Document Services today.

If you have any questions or need additional information please let me know.

Thanks!!!!
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11.0 CONCLUSIONS AND RECOMMENDATIONS

Chapter 11 summarizes the conclusions and recommendations made throughout the EIS.

11.1 IMPACTS OF THE PROPOSED ACTION

VEGP ESP EIS Chapter 11, Section 11.1 summarized the potential cumulative impacts from construction and operation of Units 3 and 4 at the VEGP site with past, present, and reasonably foreseeable future actions. The impacts of the LWA activities described in Section 1.2 and analyzed in Section 4 of this environmental report were considered in the ESP analysis and conclusions. The NRC determined that for each impact area, the cumulative impacts would be SMALL and mitigation would not be warranted. A few impact areas have the potential for MODERATE effects, most of which would be temporary or associated with a larger-than-anticipated construction workforce settling near the site. The LWA activities would incur no additional impacts beyond those presented in the ESP EIS.

11.2 UNAVOIDABLE ADVERSE ENVIRONMENTAL IMPACTS

VEGP ESP EIS Chapter 11, Section 11.2 identified the unavoidable adverse impacts from construction and operation of Units 3 and 4 at the VEGP site (summarized in EIS Tables 11-1 for construction and 11-2 for operations).

The VEGP ESP EIS stated that unavoidable construction effects include the permanent disturbance of 324 acres of land at the VEGP site, and the temporary disturbance of additional areas. The revised site plan identifies 376 acres of permanently disturbed land, and 226 acres of temporarily disturbed land. The increase of 52 acres of permanently disturbed land does not change the NRC's conclusion that impacts would be SMALL. The impacts of the LWA activities described in Section 1.2 and analyzed in Section 4 of this environmental report were considered in the ESP analysis and conclusions. The LWA activities would incur no additional impacts beyond those presented in the ESP EIS and revised site plan.

Other unavoidable adverse impacts of construction include loss of terrestrial habitat, including wetlands; temporary dewatering of the water table aquifer in the vicinity of the construction; increases in local traffic; the potential for a short-term shortage of available housing; doses to construction workers from Units 1 and 2; and emissions from construction equipment. The LWA activities would incur no additional impacts beyond those presented in the ESP EIS.

11.3 ALTERNATIVES TO THE PROPOSED ACTION

The alternative to the proposed action, issuance of an LWA, is not issuing an LWA. As discussed in Section 1.3, the LWA request is to support the project schedule and ensure that the operation need dates will be met. Not issuing the LWA could potentially reduce the schedule margin and affect operation need dates.

11.4 RELATIONSHIP BETWEEN SHORT-TERM USES AND LONG-TERM PRODUCTIVITY OF THE HUMAN ENVIRONMENT

This section is not relevant to the LWA environmental report.

11.5 IRREVERSIBLE AND IRRETRIEVABLE COMMITMENTS OF RESOURCES

VEGP ESP EIS Chapter 11, Section 11.5 identified irreversible and irretrievable commitments of resources due to the constructioin and operation of Units 3 and 4 at the VEGP site.

Resources that would be commited as part of the LWA activities described in Section 1.2 were considered in the ESP analysis and conclusions. The LWA activities would incur no additional resource commitments beyond those presented in the ESP EIS.

11.6 BENEFIT-COST BALANCE

VEGP ESP EIS Chapter 11, Section 11.6 identified the benefits and costs of constructing and operating two new nuclear generations units on the VEGP site.

Benefits and costs that would occur as part of the LWA activities described in Section 1.2 were considered in the ESP analysis and conclusions. The LWA activities would change no benefit or cost conclusions beyond those presented in the ESP EIS.

11.7 NRC STAFF SUMMARY AND CONCLUSIONS

Upon evaluation of the LWA activities described in Section 1.2 of this environmental report, and an independent analysis of the impacts of such an activity, the NRC staff will make a recommendation to the Commission on the advisability of issuing the LWA in support of the COL application to SNC.