

SOUTH CAROLINA ELECTRIC & GAS COMPANY

COLUMBIA, SOUTH CAROLINA

SALUDA HYDROELECTRIC PROJECT

FERC PROJECT NO. 516

GENERAL DESIGN INFORMATION

EXHIBIT F

DECEMBER 2007

Prepared by:

Kleinschmidt
Energy & Water Resource Consultants

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EXHIBIT F
GENERAL DESIGN INFORMATION

1.0 GENERAL DESIGN DRAWINGS

General design drawings of project structures will be submitted with the filing of the Final License Application.

2.0 SUPPORTING DESIGN REPORT

Being subject to the Commission's Part 12 regulations, the Project structures are inspected every five years by a Commission-approved Independent Consultant; the most recent inspection was conducted in May 2005, in conjunction with a Probable Failure Mode Analysis (PFMA). The inspection was conducted after the completion of a major remediation project involving the construction of a backup dam immediately downstream of, and adjacent to, the original Project dam. Since they were created after the completion of the remediation project, the Seventh Safety Inspection Report (SIR, October 2005), the PFMA report (August 2005) and the Supporting Technical Information document (STI, September 2005) include evaluation of, and information on, all project structures including the backup dam.

The SIR concluded that all Project structures are in good condition showing no signs of instability, and the Project structures are adequately monitored and maintained; the SIR also concluded that the spillway is capable of passing the Probable Maximum Flood.

3.0 SUBMITTAL

The information contained in the SIR, the STI, and the PFMA report adequately fulfill the requirements for a Supporting Design Report. The Applicant will provide additional copies of these reports upon the Commission's request.