

REDACTED

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition for determination of
Need for Levy Units 1 and 2 Nuclear
Power Plants

Docket No. 080148 - *EJ*

**PROGRESS ENERGY FLORIDA'S NINTH REQUEST FOR
CONFIDENTIAL CLASSIFICATION**

EXHIBIT B

CMP _____
DOM _____
GTR _____
ECR 1 _____
GCL _____
OPC _____
PCA _____
SCR _____
SBA _____
SEC _____
OTH _____

DOCUMENT NUMBER-DATE

04668 JUN-28

FPSC-COMMISSION CLERK

**Roderick Late-Filed Ex. 1
Aquatic Protection Costs**

Operations at the Levy Nuclear Plant (LNP), referring to Levy Units 1 and 2, will use mechanical draft cooling towers that provide closed-cycle, recirculating cooling water that will require makeup water from the Gulf of Mexico. The construction of an LNP makeup water system intake structure on the Cross Florida Barge Canal is proposed. The proposed intake structure will be located approximately 6.9 miles from the Gulf of Mexico on the berm that forms the north side of the canal and is within 0.5 mile of the Inglis Lock.

Cooling water intake systems for new facilities are governed by Section 316 of the Clean Water Act (CWA). The 316[b] Phase I Rule (Federal Register / Vol. 66, No. 243 / Tuesday, December 18, 2001 / Rules and Regulations recirculating cooling system; (40 CFR125.84[b](1)) establishes requirements for new facilities that use water withdrawn from rivers, streams, lakes, reservoirs, estuaries, oceans, or other waters of the United States (U.S.) for cooling purposes to minimize harmful impacts on aquatic life. The Phase I Rule applies to new Greenfield power plant sites, such as the LNP, that use cooling water intake structures to withdraw water from waters of the U.S.

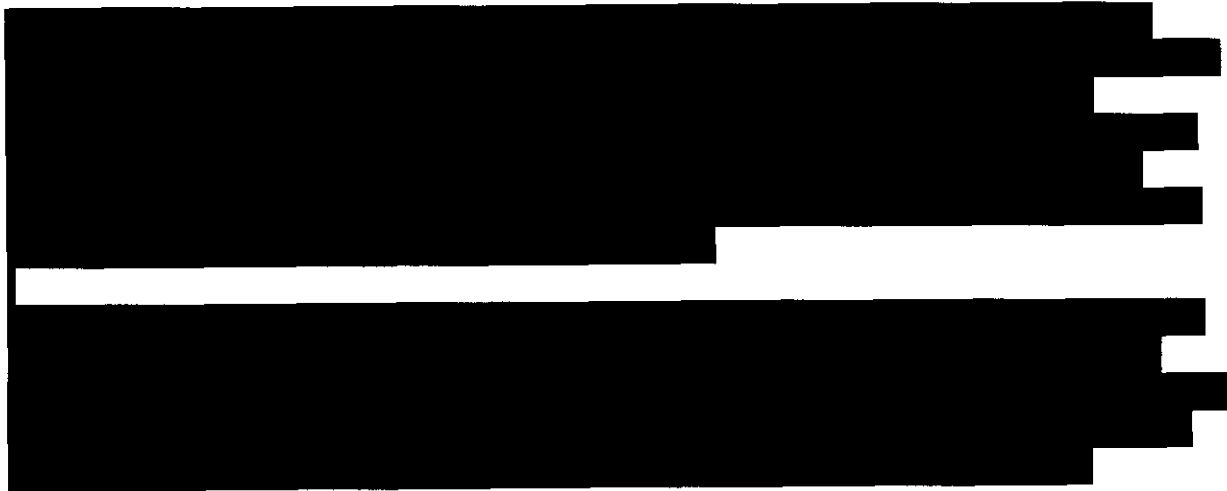
PEF will meet the following requirements of the Phase I Rule: (1) cooling water intake flow at a level commensurate with that achievable with a closed-cycle, recirculating system, and (2) through-screen intake velocity less than or equal to 0.5 foot per second.

At this time, PEF estimates the cost of the mechanical draft cooling towers (two units) will be approximately \$[REDACTED]. At this time, PEF expects the cost of the intake structure and associated screens will be approximately \$[REDACTED]. The size and cost of the intake structure is driven by the cross sectional area of the water intake screens required to meet the flow velocity limits of Section 316(b).

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FPSC Staff Requested Late Filed Exhibit 1 – Weintraub Deposition
Docket 080148-EI: Levy Nuclear Need Determination

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A large, solid black rectangular redaction covers the central portion of the page, obscuring all text and graphics beneath it. The redaction is composed of several horizontal bars of varying lengths, suggesting it covers multiple lines of text.