



**Florida Power**  
CORPORATION

April 5, 1982  
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File: 3-0-26

Dr. Roger J. Mattson, Director  
Division of Systems Integration  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Crystal River Unit 3  
Docket No. 50-302  
Operating License No. DPR-72  
NUREG-0737, Item II.F.2  
Reactor Coolant System Water Level Measurement

Dear Dr. Mattson:

In your meeting of February 17 and 18, 1982, you requested that each utility forward to you an estimate of the cost, time frame, and radiation exposure entailed in the installation of a reactor coolant system (RCS) water level measurement system. Florida Power Corporation (FPC) has developed such estimates for the B&W designed Hot Leg Level Measurement System (HLLMS). This includes both a narrow range (upper portion of the hot leg) and a wide range (reactor hot leg nozzle to top of the hot leg) subsystem. It does not include a reactor vessel head water level measurement subsystem. The estimates are as follows:

	<u>Narrow Range Subsystem</u>	<u>Wide Range Subsystem</u>	<u>Wide and Narrow Range Subsystems</u>
Cost	\$1.3 million	\$1.4 million	\$1.8 million
Installation	Fall 1984	Fall 1987	Fall 1987
Radiation Exposure	5 Man-Rem	18-20 Man-Rem	23-25 Man-Rem

If you require any clarification or need further information, please contact this office.

Very truly yours,

David G. Mardis  
Acting Manager  
Nuclear Licensing

cc: Mr. J. P. O'Reilly, Regional Administrator  
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