

July 6, 2004

MEMORANDUM TO: Steven Dembek, Chief, Section 2  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

FROM: Drew Holland, Project Manager, Section 1 **/RA/**  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF JUNE 22, 2004, MEETING WITH HF CONTROLS ON  
HFC 6000 NUCLEAR SAFETY SYSTEM

On June 22, 2004, a public meeting was held between the NRC staff and representatives of HF Controls (HFC) at NRC Headquarters. The purpose of the meeting was to discuss the proposed review of the HFC 6000 Nuclear Safety System by the NRC staff. A list of attendees is provided as Attachment 1. The slides used during the meeting by HFC are available in ADAMS under accession number ML041750033.

The lead presenter from HFC described the background of HFC which was originally an instrumentation and control (I&C) engineering provider for the fossil power industry. A business relationship existed between Foster Wheeler and HFC for this type of technology. HFC entered the nuclear power market in this area in 1979 under a different name. There are more than 450 I&C installations worldwide that HFC has engineered. The presenter then described some of the HFC product lines and their experience with nuclear power plants in Korea.

The next portion of the presentation focused on the HFC 6000 system, which the vendor will submit for NRC review in the Fall 2004. The system consists of safety-related I&C equipment, operator interface stations and a flat panel display. During the discussion, the NRC staff asked many questions. It was expressed by the presenter that the HFC 6000 provides one product for all safety critical applications. The system has a 100 millisecond response time, direct connection to I/O modules is provided and the capability to hot swap components exists. HFC personnel stated that the HFC 6000 has already undergone detailed qualification tests successfully.

There were no regulatory decisions made at this meeting. The NRC staff stated that a review of this magnitude would take 1000-2000 staff hours. Software review will be a major part of the total project. No schedule commitments were made regarding the review. The project

manager stressed that the sooner we begin the formal review, the sooner a safety evaluation may be performed. The NRC staff thanked the HFC personnel for an informative presentation and the meeting adjourned.

Attachment: List of Attendees

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Attachment: List of Attendees

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# **MEETING WITH HF CONTROLS, INC.**

## **LIST OF ATTENDEES**

**JUNE 22, 2004**

### **HF CONTROLS, INC.**

A. Hsu  
J. A. Stevens  
C. E. Fisher  
W. Gill  
J. L. Mauck (Hurst Technology)  
T. E. Hurst (Hurst Technology)

### **WESTINGHOUSE**

C. Brinkman

### **NRC**

D. Holland  
E. Marinos  
P. Loeser  
P. Rebstock  
M. Chiramal