



Idaho National Engineering Laboratory

July 17, 1990

Mr. Leonard A. Wiens
U. S. Nuclear Regulatory Commission
One White Flint North
Mail Stop 9 H3
Washington, DC 20555

INEL PERSONNEL VISIT AT OCONEE NUCLEAR POWER PLANT SITE - GPS-03-90

Dear Mr. Wiens:

As discussed in our June telephone conversation, the upcoming visit at Oconee plant site will be gathering information in support of the resolution of Generic Safety Issue 106 (GSI-106), "Piping and the Use of Highly Combustible Gases in Vital Areas."

The plant visit will start on August 7, 1990, and take about one and one-half days. I plan to get to the plant around 7:30 that morning. If someone from the utility or the NRC can provide an escort for the first day, I welcome the expertise and believe the plant walkdown will be accomplished faster.

I will be concentrating my data gathering effort to only those areas of the plant relevant to GSI-106. Specifically, I would like to perform walk-through tours of the hydrogen system from the tank farm to the turbine and auxiliary buildings, as well as of the waste gas system inside the auxiliary building. The information expected to be gathered during this visit includes configurations of the hydrogen and waste gas systems (type, size and length of pipe, valves present, etc.), the layout of the safety-related equipment (e.g. distance, elevation, existing walls, etc.) with respect to hydrogen pipes, and potential hazard propagation paths (e.g. doors, ventilation ducts). In addition, information will be collected regarding the location of safety-related building air intakes relative to the hydrogen tank farm, plant system features used to prevent, reduce, and mitigate accidental hydrogen events (e.g. hydrogen detectors present, sleeved pipe, excess flow check valves, etc.), operations and maintenance procedures for the hydrogen and waste gas systems, and other pertinent data.

Most of the above information will be easily obtained during my plant walk-down. However, utility assistance is required in obtaining plant drawings (general building layouts, P&IDs, isometrics, fire area/zone schematics from Appendix R submittal) of the hydrogen and waste gas systems. I also hope to have the chance to talk to the plant fire protection personnel (if available) regarding any plant-specific insights on Oconee's hydrogen system.



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Since this visit will require access to controlled plant areas, the enclosed form provides personal background information and certifies that I have received general radiation worker training within the last two years.

I sincerely appreciate your help and cooperation on this matter. If you have any questions please call me at FTS 583-0519, or my unit administrator at FTS 583-0735.

Sincerely,



George P. Simion
NRC Risk Analysis Unit

Attachment:
As Stated

cc: C. C. Graves - NRC-RES NLS314
G. L. Jones - DOE-ID MS 1134