



BROOKHAVEN NATIONAL LABORATORY
ASSOCIATED UNIVERSITIES, INC.

Upton, New York 11973

(516) 345-2144

Department of Nuclear Energy

January 23, 1980

Mr. Robert L. Ferguson
Plant Systems Branch
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

RE: Ginna Nuclear Power Plant Fire Protection Review Items 3.2.6 and 3.2.9

Dear Bob:

Item 3.2.6 Backflow Protection

The Safety Evaluation Report (SER) stated that the licensee will review the plant's drain systems and provide backflow protection, to prevent the spread of a possible liquid fire via the drain systems, where drains from safety-related areas tie into drains from other areas which contain a large quantity of flammable liquid and which could affect the safety-related area.

A report of this review was given by the licensee in a letter dated September 28, 1979. They confirmed that they found potential drain problems in the containment, the auxiliary building basement, intermediate building basement and the B diesel generator room. The licensee further stated that these drains will be modified to ensure that combustible or flammable liquids will not be allowed to flow via the drain system to a separate safety related area.

In order to fully evaluate the licensee's proposal we request that the licensee's submit: prints of the drain system, location of the problem drains, method of analysis and method of solution.

We recommend that the licensee's proposal on this item be accepted subject to review of the documents listed above.

Item 3.2.9 Fire Brigade Size

The SER states that the licensee has proposed a three man fire brigade and further states that the staff is not convinced that three men provide sufficient margin for adverse conditions that may occur in the event of a significant fire. This item is, therefore, unresolved at this time.

To: R. L Ferguson

-2-

January 18, 1980

On the plant site visit, June 27-30, 1978 the licensee had stated that their three man fire brigade was sufficient.

We took a position stated in our consultant's report of July 10, 1978 that the brigade size was inadequate and that it should be increased to five men.

The licensee, in their letter of May 25, 1979 agreed to having a five-man fire brigade.

We recommend that this position be accepted.

Respectfully yours,

R. E. Hall E. G. M.

Robert E. Hall, Group Leader
Reactor Engineering Analysis

REH:EAM:sd

cc.: R. Cerbone

W. Kato

✓ T. Lee

E. MacDougall

V. Panciera