

September 6, 1985

Docket No. 50-312

Mr. Ronald J. Rodriguez  
Assistant General Manager, Nuclear  
Sacramento Municipal Utility District  
6201 S Street  
P. O. Box 15830  
Sacramento, California 95813

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Dear Mr. Rodriguez:

The NRC staff is in the process of developing its policy regarding "flooding of safety equipment compartments by backflow through floor drains" which we have designated as Generic Issue 77. We are contacting several utilities to seek their voluntary assistance by responding to the enclosed questions. The possibility of Sacramento Municipal Utility District's participation in this effort was discussed with Mr. J. Delezenski of your staff and at that time he indicated a preliminary agreement to participate.

The purpose of this letter is to request that you review the enclosed questions and confirm your continued willingness to assist us in the resolution of this generic issue. In order that we might develop our program schedule as soon as possible, please inform us within 30 days of receipt of this letter whether you can support the program and, if so, when you can respond to the enclosed questions.

The reporting and/or recording keeping requirements contained in this letter affect fewer than ten respondents, therefore OMB clearance is not required under P.L. 96-511.

Sincerely,

"ORIGINAL SIGNED BY  
JOHN F. STOLZ"

John F. Stolz, Chief  
Operating Reactors Branch #4  
Division of Licensing

Enclosure:  
As Stated

cc w/enclosure:  
See next page

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PDR ADDOCK 05000312  
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JStolz  
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Mr. R. J. Rodriguez  
Sacramento Municipal Utility District

Rancho Seco Nuclear Generating  
Station

cc:

Mr. David S. Kaplan, Secretary  
and General Counsel  
Sacramento Municipal Utility  
District  
6201 S Street  
P. O. Box 15830  
Sacramento, California 95813

Sacramento County  
Board of Supervisors  
827 7th Street, Room 424  
Sacramento, California 95814

Ms. Helen Hubbard  
P. O. Box 63  
Sunol, California 94586

Thomas Baxter, Esq.  
Shaw, Pittman, Potts & Trowbridge  
1800 M Street, N.W.  
Washington, D.C. 20036

Mr. Robert B. Borsum  
Babcock & Wilcox  
Nuclear Power Generation Division  
Suite 220, 7910 Woodmont Avenue  
Bethesda, Maryland 20814

Resident Inspector/Rancho Seco  
c/o U. S. N. R. C.  
14410 Twin Cities Road  
Herald, California 95638

Regional Administrator, Region V  
U.S. Nuclear Regulatory Commission  
1450 Maria Lane, Suite 210  
Walnut Creek, California 94596

Director  
Energy Facilities Siting Division  
Energy Resources Conservation &  
Development Commission  
1516 - 9th Street  
Sacramento, California 95814

Mr. Joseph O. Ward, Chief  
Radiological Health Branch  
State Department of Health Services  
714 P Street, Office Building #8  
Sacramento, California 95814

RANCHO SECO NUCLEAR GENERATING STATION  
DOCKET NO. 50-312  
REQUEST FOR INFORMATION  
GENERIC ISSUE 77

1. Provide a detailed discussion of the equipment and floor drainage system(s) which serve safety-related equipment or compartments containing safety-related equipment or compartments. Include diagrams as appropriate. As part of the discussion, describe the features which will prevent backflow from any area into compartments containing safety-related equipment. This discussion should include the drainage system and any other compartment openings such as doors, unsealed penetrations of grating through which fluid may flow. Sources of fluid to be considered are external flooding (ground water seepage, surface influence from rivers, lakes and rain fall ponding) and flooding due to tank failures and pipe breaks including failure of the expansion joints in the circulating water system. The backflowing fluids to be considered are water, steam and hot air. Confirm for those conditions identified above and that redundant safety-related equipment will not be adversely affected by fluid ingress into the equipment compartments.
2. Describe the design basis for sizing the equipment and floor drainage systems and the means for assuring that they can effectively handle the maximum leakage flow conditions in the specific plant areas of concern housing redundant safety-related equipment.
3. Indicate any past incidents of drainage system backflow or other concern for failure of redundant safety-related equipment that has arisen or been postulated in the past due to a fluid leak or harsh environment in safety-related equipment areas.