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RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation, Director
STOLZ,J.F. Operating Reactors Branch 4

SUBJECT: Notifies that test conducted per NRC 810116 ltr & ASME Section XI,sys pressure tests would envelope test requirements of App J & assure leak tightness & weld integrity of sys.No relief from 10CFR50,App J necessary.

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TITLE: Containment Leak Rate Testing - Appendix J

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LJ

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VICE PRESIDENT
STEAM PRODUCTION

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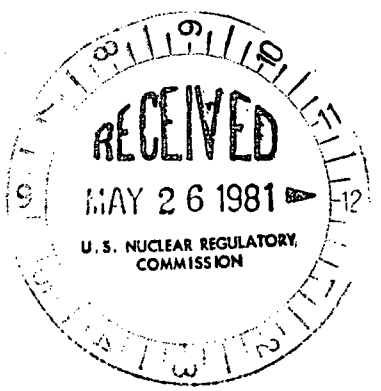
May 20, 1981



Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attn: J. F. Stolz, Chief
Operating Reactors Branch No. 4

Re: Oconee Nuclear Station
Docket Nos. 50-269, -270, -287

Dear Sir:

By several previous submittals, the Staff has been informed of and is currently reviewing the design of the Standby Shutdown Facility (SSF) at Oconee Nuclear Station. Significant in-containment installation work is planned during the forthcoming refueling outages of each Oconee Unit.

In reviewing the installation, it has been determined that a test pursuant to 10 CFR 50, Appendix J, Section IV.A. is required, because the modification affects penetrations 17 and 50. (See attached Unit 1 drawing, the other units are essentially identical). Further, for a modification of this type, a hydrostatic test is required by ASME Boiler and Pressure Vessel Code, Section XI.

My letter of December 29, 1980 identified these two penetrations as being tested by Type A test as the system is normally filled with water and operating under post-accident conditions. Thus, in order to meet the requirements of Appendix J, a Type A test would need to performed following completion of the modification. This is impractical since Type A tests were performed on Units 1, 2 in 1980 and on Unit 3 in 1981, and further, it is considered that the ASME Section XI test would be technically superior to a Type A test of the system.

By letter dated January 16, 1981, the Staff granted relief from the full hydrostatic test requirements on a Class 2 component/system by allowing a pressure test at system pressure and temperature, augmented by both a 100% volumetric weld examination and a weld surface examination. The SSF Auxiliary Service Water installation is considered to be similar to the above request.

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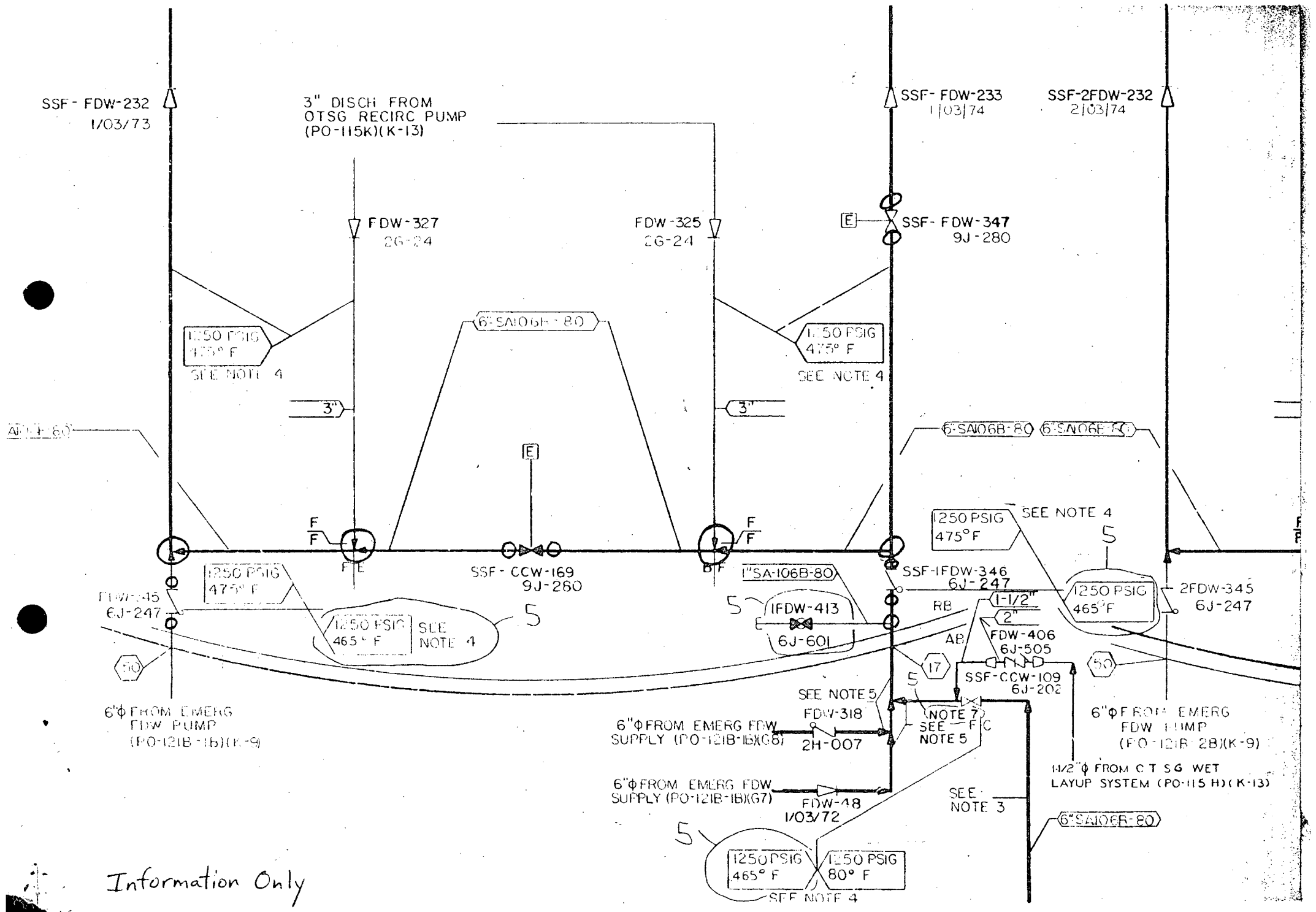
In consideration of the above, it has been determined that testing performed consistent with the NRC letter of January 16, 1981 or ASME Section XI, System Pressure Tests would envelope the test requirements of Appendix J and assure leak tightness and weld integrity of the system.

Unless informed to the contrary, it is considered that the above testing acceptably meets the Appendix J test requirements and that no relief from 10 CFR 50, Appendix J is necessary in this regard.

Very truly yours,

William O. Parker, Jr.

WOP/djs
Attachment



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