



Portland General Electric Company

Charles Goodwin, Jr. Assistant Vice President



August 8, 1980

Trojan Nuclear Plant
Docket 50-344
License NPF-1

LOCAL PUBLIC DOCUMENT ROOM

Mr. R. H. Engeklen, Director
U. S. Nuclear Regulatory Commission
Region V
Suite 202, Walnut Creek Plaza
1990 N. California Blvd.
Walnut Creek, CA 94596

Dear Mr. Engelken:

Your letter of April 4, 1980 issued IE Bulletin 79-03A which superseded the previous IE Bulletin 79-03 regarding longitudinal weld defects in ASME SA-312, Type 304 stainless steel pipe. PGE provides the following information in response to the subject Bulletin:

Items 1 and 2

Determine whether SA-312 or A-312, Type 300 Series fusion welded pipe is in use or planned for use in safety-related systems subject to design stresses greater than 85 percent of the Code allowable stresses. For the purpose of this check, the actual weld thickness of the piping products will be considered adequate if the code requirements for pressure design of the piping products are satisfied using 85 percent of the maximum allowable stress of the design temperature.

For those piping components using greater than 85 percent of the allowable stresses, identify the application of the piping including the system, pipe location, pipe size, pipe configuration (elbow, tee), design pressure/temperature requirements and the manufacturer.

Response

Trojan utilizes SA-312 and A-312, type 300 series welded pipes manufactured by SWEPCO in safety-related systems. In response to the concerns identified in the Bulletin, all stainless steel piping, except those

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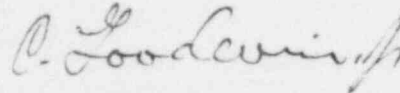
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under the NSSS vendor's scope of responsibility (e.g., CVCS, RCS, SIS, RHR and CCW, etc.), which utilizes the rolled and welded fabrication method without filler metal, was analytically reviewed for adequate wall thickness. The pipe wall thicknesses were calculated using a conservative weld joint efficiency factor of .85 rather than 1.0 which is the Code allowable value.

The results of this review have determined that the wall thicknesses of these pipes were greater than the minimum values specified in the Trojan piping specifications and that none of these pipes were subject to design stress greater than 85 percent of the Code allowable stresses. An investigation of the piping systems within the NSSS vendor's scope of responsibility is in progress but would not be available until the end of December 1980. We will provide this information as soon as it becomes available.

Sincerely,



C. Goodwin, Jr.
Assistant Vice President
Thermal Plant Operation and
Maintenance

CG/KM/4sa3A7

c: Mr. Lynn Frank, Director
State of Oregon
Department of Energy

Director
Office of Inspection and
Enforcement
U. S. Nuclear Regulatory Commission