

WPPSS NUCLEAR PROJECT NO. 2  
REPORTABLE DEFICIENCY AND CORRECTIVE ACTION  
FOR IMPROPER INSTALLATION OF ANCHOR  
BOLTS BY THE WALDINGER CORPORATION

WASHINGTON PUBLIC POWER SUPPLY SYSTEM  
DOCKET NO. 50-397  
LICENSE NO. CPPR-93

Nature of Deficiency

Mechanical connections of supports were not accomplished in accordance with approved drawings. Anchor bolts were cut short and then tack welded to the back side of the foot plates. The anchor bolts were not threaded into the concrete anchors and, in at least one case, no concrete anchor was installed. Visual inspection of the installation would appear satisfactory, when in actuality the installation would be completely unsatisfactory.

Safety Implications

The improper installation of the support anchor bolts could cause the HVAC duct work to fail. Failure of the HVAC duct work would seriously affect the operating personnel in the control room and the duct work could also fall upon and damage safety related equipment. Such a failure would prevent the safe operation and safe shutdown of the nuclear power plant.

Corrective Action

An Engineering Change Order, updating the installation and inspection requirements, including a retrofit program, has been issued to the contractor pertaining to the installation of concrete anchors. The Change Order, originally designed to assure the proper installation of the concrete anchors, requires that the anchor bolts be removed and inspected, and will assure that the condition described in the "Nature of Deficiency" above, will be identified and corrected.