

Plant Design Change #320

Plant Design Change Number 320 entitled Secondary Hydrogen Monitoring System is complete.

Proposed Change

Install a Hydrogen Monitoring System on the secondary side. The Hydrogen Monitoring System will take sample for existing feedwater and main steam sample lines. The system will be located in the turbine hall, elevation 21 ft.

Reason For Change

This system is being installed as part of a study program for denting in Steam Generators. This system would provide data which is believed to be indicative of corrosion rates, particularly regarding the denting phenomena, in steam generators.

Safety Evaluation

The installation of the Hydrogen Monitoring System has been reviewed and found not to be an unreviewed safety question. It will be connected to feed and steam piping systems with instrument piping which cannot significantly effect any nuclear accident. It does not meet any of the following criteria:

The probability of occurrence or the consequences of an accident or malfunction or equipment important to safety previously evaluated in the safety analysis report may be increased; or a possibility for an accident or malfunction of a different type than any evaluated previously in the safety analysis report may be created; or the margin of safety as defined in the basis for any technical specification is reduced.

This equipment will assist in the reduction of Steam Generator tube denting by monitoring conditions indicative of denting occurrence.