

Steam Generator Repair Options

- Criteria for Satisfactory Repairs
 - 100% Reactor Power at uprate conditions for the new HP Turbine
 - Restore margin in both thermohydraulic margin and tube plugging capacity
 - 40-year SGR life cycle
- Option 1
 - Anti-vibration bar repairs performed in the existing steam generator; entry worked through existing manways and steam deck hatches
 - Material, labor, tools and equipment need to fit into steam dome via manway and will require specialization to perform
- Option 2
 - Anti-vibration bar repair/ replacement performed by main steam line sever and steam dome cut and removal for access to the top of the tube bundle
 - Top of bundle work platforms and shielding review
- Option 3
 - Replace steam generators lower tube assemblies and channel head bowls utilizing a through-containment-wall construction opening
 - Lower tube assemblies and channel head bowls will be replaced
 - Steam domes will be refurbished and reinstalled
- Option 4
 - Replace SGRs (complete replacement) in-kind like the first SGR project scope by creating 'through containment wall' construction openings