BASES FOR 3.6.10.1 AND 4.6.10.1 FIRE BARRIER PENETRATION FIRE SEALS

Cable penetrations of the primary containment (drywell and pressure suppression chamber), reactor building, auxiliary control room and the cable room have been designed to provide adequate fire stop and to prevent a fire from spreading through the penetration. drywell and pressure suppression chamber penetrations are double-sealed, 12-inch pipes that are inerted with nitrogen. Reactor building penetrations consist of standard conduit (pipe) sleeves, which vary in diameter from 3/4" to 4" and which are sealed at both ends. The auxiliary control room and the cable room have formed pipe sleeves and cable tray penetrations. These sleeves and penetrations are sealed at the ends with rock-wool filler and externally applied fire-resistant material for fire proofing.