Table 14.13-1

Results of BFN ATWSI Evaluation

ATWSI Acceptance Criteria	MELLLA+	Design Limit
Peak Vessel Pressure (psig) [1]	< 1500	1500
Peak Suppression Pool Temperature (°F) [2]	< 174.5	281
Peak Containment Pressure (psig) [2]	< 56.0	56.0
Peak Cladding Temperature (°F)	766	2200
Peak Local Cladding Oxidation (%) [3]	< 17	17

Notes

1. Peak vessel bottom pressure for ATWSI is always less than the peak value taken from the licensing basis ATWS.
2. The ATWSI evaluation assumes the main condenser is available because isolation does not occur. Therefore, less energy is deposited into the suppression pool compared to the ATWS MSIVC, PRFO, and LOOP events, which are vessel isolation events. As a result, the peak suppression pool temperature and containment pressure are not explicitly calculated for ATWSI.
3. Coolable core geometry is assured by meeting the 2200°F peak cladding temperature and 17% local cladding oxidation acceptance criteria of 10 CFR 50.46. For BFN, the fuel cladding oxidation is insignificant and less than the 17% local cladding oxidation limit.