Request for Additional Information 2
Application Title: Westinghouse SMR Pre-Application Activities
Operating Company: Westinghouse Electric Company
Docket No. PROJ 0797
Review Section: W-SMR Test Plan and Scaling

QUESTIONS

W SMR Test Plan and Scaling-60

Please provide diameter of air operated valves on the top of SITs.

W SMR Test Plan and Scaling-61

Please provide the valve sizes (size of the most restrictive section) and the form losses for the check valve and ADS valve in an ADS-1 line.

W SMR Test Plan and Scaling-62

Please provide form loss in an ADS-2 valve.

W SMR Test Plan and Scaling-63

Please provide wall thickness for CMT and SIT shell.

W SMR Test Plan and Scaling-64

Please confirm that the BAT is open to the atmosphere.

W SMR Test Plan and Scaling-65

Please confirm that the free volume in the region between upper core plate and upper support plate excluding the free volume inside the guide tubes is [ ]^{a,c}.

W SMR Test Plan and Scaling-66

Please confirm that the height of the cylindrical section in the pressurizer [ ]^{a,c} is relative to the top of the pressurizer surge plate.

W SMR Test Plan and Scaling-67

Please confirm that the volume of pressurizer surge plate of [ ]^{a,c} is the free volume (i.e., the volume occupied by water).

W SMR Test Plan and Scaling-68

The upper head of the RPV appears to be a portion of a hemisphere. Please provide the height of the upper head of the RPV/pressurizer.

W SMR Test Plan and Scaling-69

Please provide form loss coefficient for the steam generator depressurization valves (SGDVs)

W SMR Test Plan and Scaling-70

Please provide material of construction for the RPV wall.

W SMR Test Plan and Scaling-71

Please provide inner diameter of the guide tubes between upper core plate and upper support plate.

W SMR Test Plan and Scaling-72

Please confirm that the support columns between upper core plate and upper support plate are solid rods; if not, please provide the inner diameter.

W SMR Test Plan and Scaling-73

Please confirm that the control rod drive mechanisms (CRDMs) between upper core plate and upper support plate are solid structure; if not, please provide the inner diameter.

W SMR Test Plan and Scaling-74

Please provide the material for the pressurizer separator plates.

W SMR Test Plan and Scaling-75

Please provide height of the cylindrical wall of the steam drum.

W SMR Test Plan and Scaling-76

Please provide the geometry information for the upper and lower heads of the steam drum.

W SMR Test Plan and Scaling-77

Please discuss the comparisons performed to validate Westinghouse's current neutronics methods against measurements from facilities that used shorter active core heights and reflectors of the type envisioned for W-SMR.

W SMR Test Plan and Scaling-78

Please provide the materials for the steam drum cylindrical wall and upper and lower heads.