

[0017] Figure 3 is a graph comparing reactor core power for three isolation condenser trains with the condensate returned to the upper plenum verses the downcomer;

[0018] Figure 4 is a graph comparing reactor core mass flow rate for three isolation condenser trains with the condensate returned to the upper plenum verses the downcomer;

[0019] Figure 5 is a graph comparing reactor core inlet enthalpy for three isolation condenser trains with the condensate returned to the upper plenum verses the downcomer;

[0020] Figure 6 is a graph comparing reactor core power with the condensate returned to the upper plenum for different numbers of isolation condenser trains;

[0021] Figure 7 is a graph comparing reactor core mass flow rate with the condensate returned to the upper plenum for different numbers of isolation condenser trains;

[0022] Figure 8 is a graph comparing reactor pressure vessel pressure with the condensate returned to the upper plenum for different numbers of isolation condenser trains; and

[0023] Figure 9 is a graph comparing reactor pressure vessel pressure with the condensate returned to the upper plenum for three isolation condenser trains and different scram times.

[0024] Corresponding reference numerals indicate corresponding parts throughout the several views of the drawings.