

Fig. 1. RELAP5 – nodalization scheme of V-1 NPP.

Fig. 2.1. Reactor power.

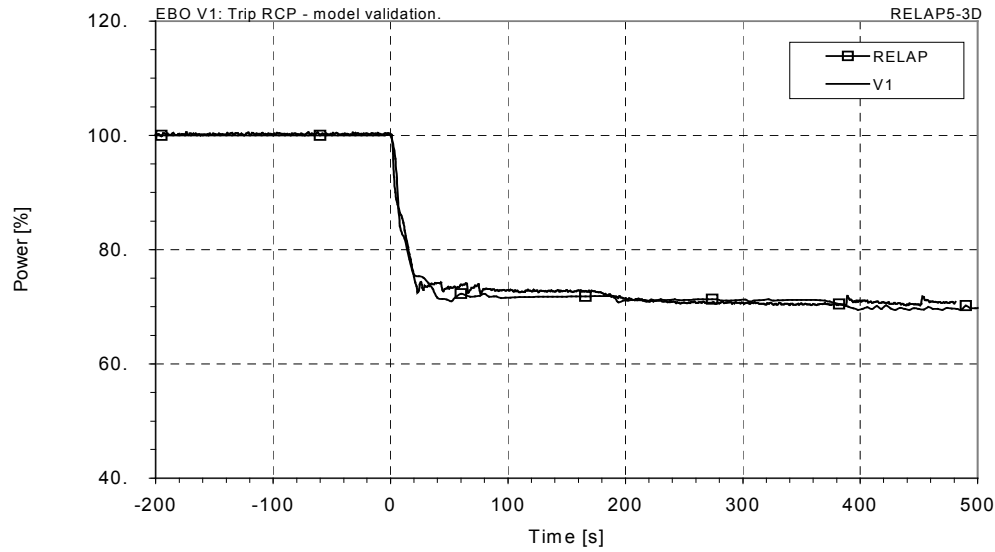


Fig. 2.2. Temperature in hot leg No. 1.

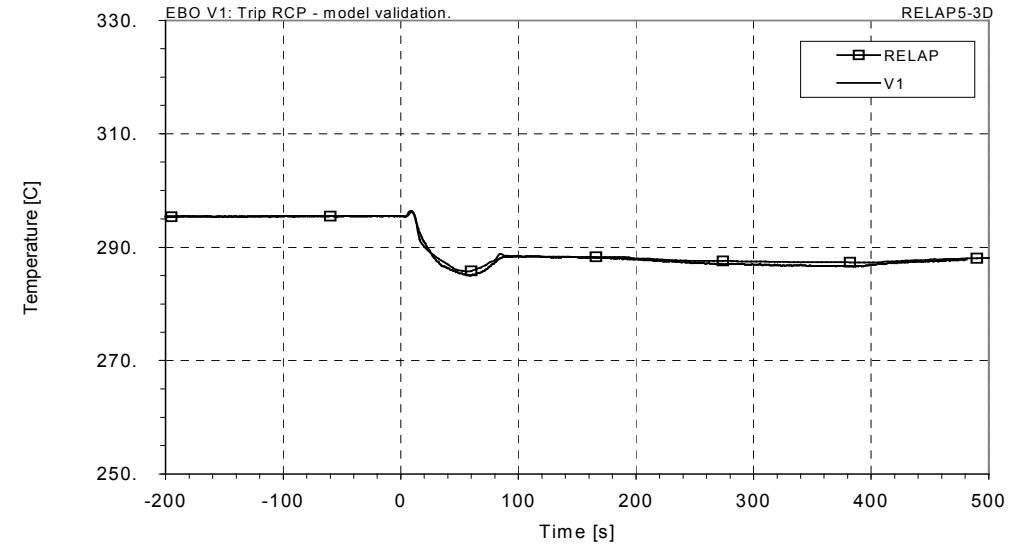


Fig. 2.3. Steam production in SG 3.

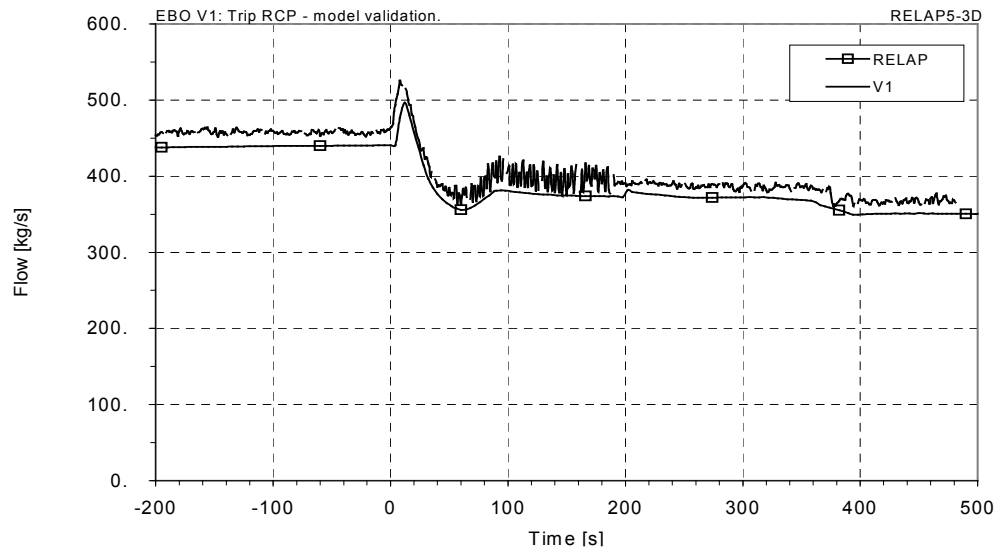


Fig. 2.4. Pressure in SG 1.

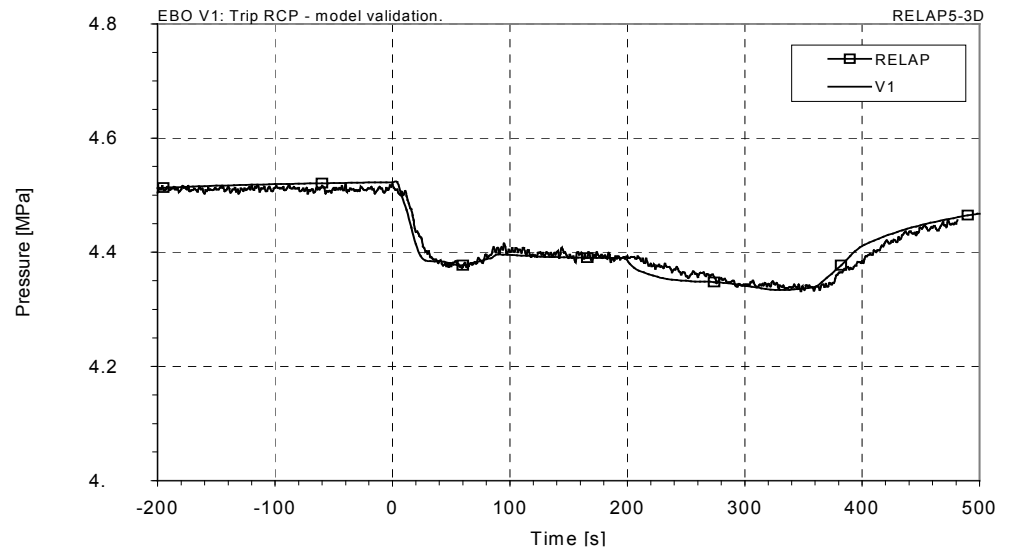


Fig. 2. On – transient level validation of the RELAP5 model.

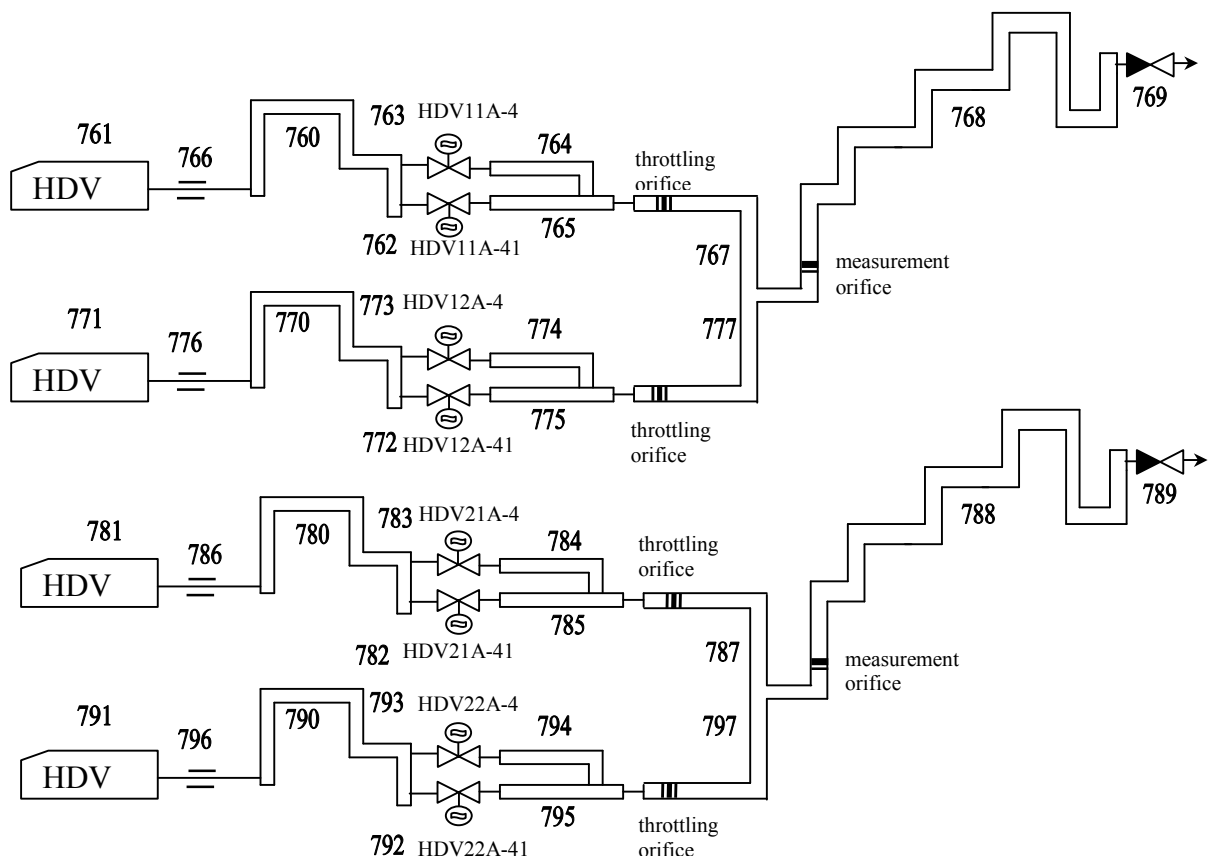


Fig. 3. Nodalization of the HP injection.

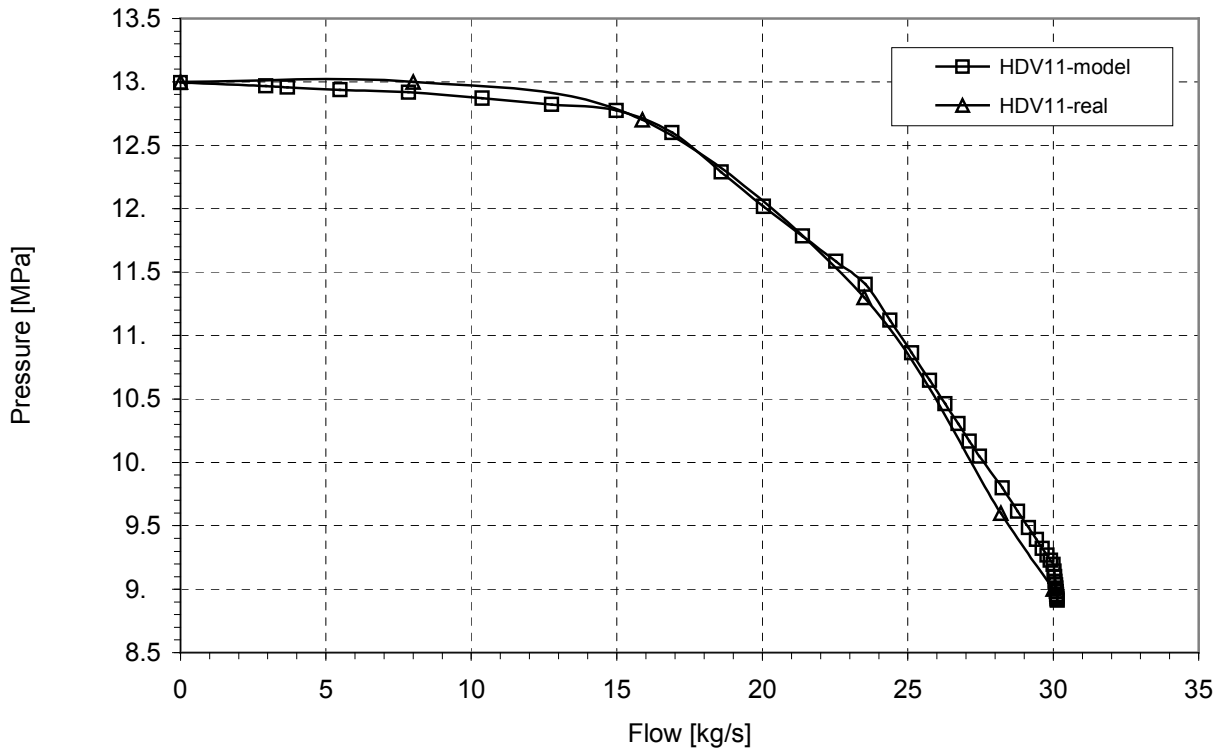


Fig. 4. Characteristics of the HP pumps, including discharge line to primary system.

Fig. 5.1. Pressures in primary system and main steam header.

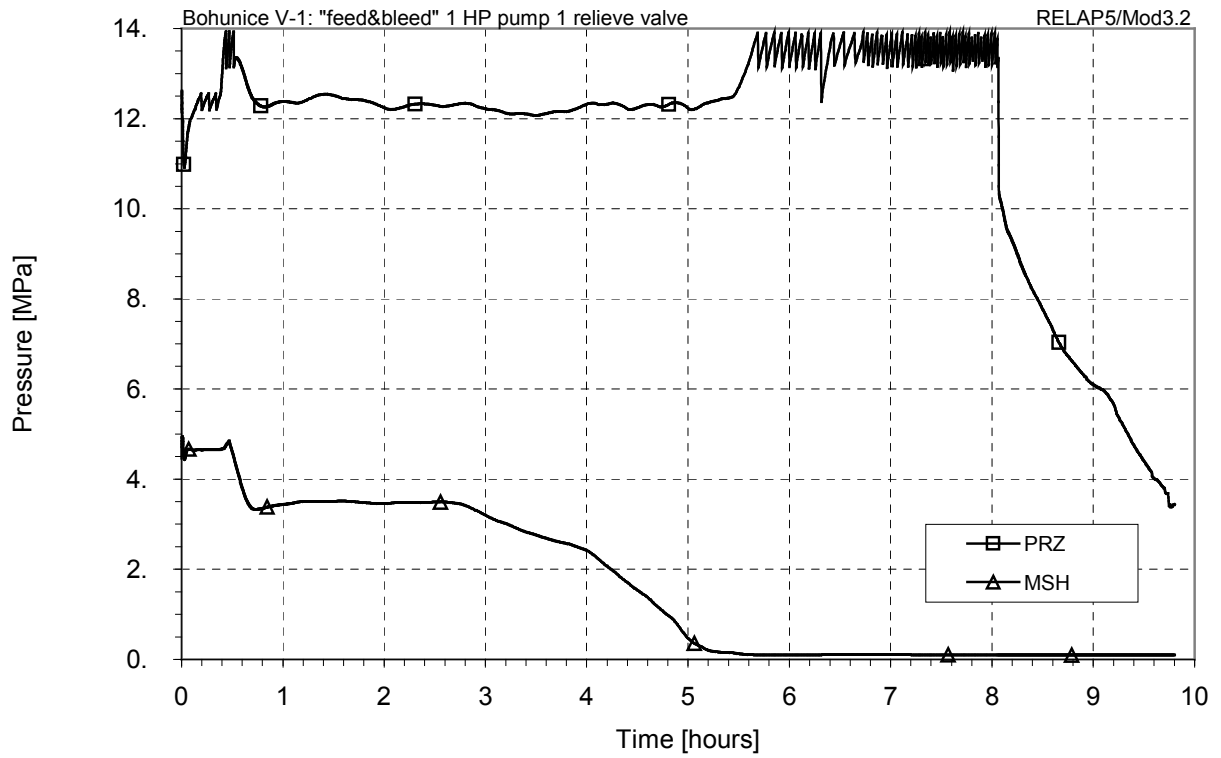


Fig. 5.2. Collapsed water level in reactor vessel and PRZ.

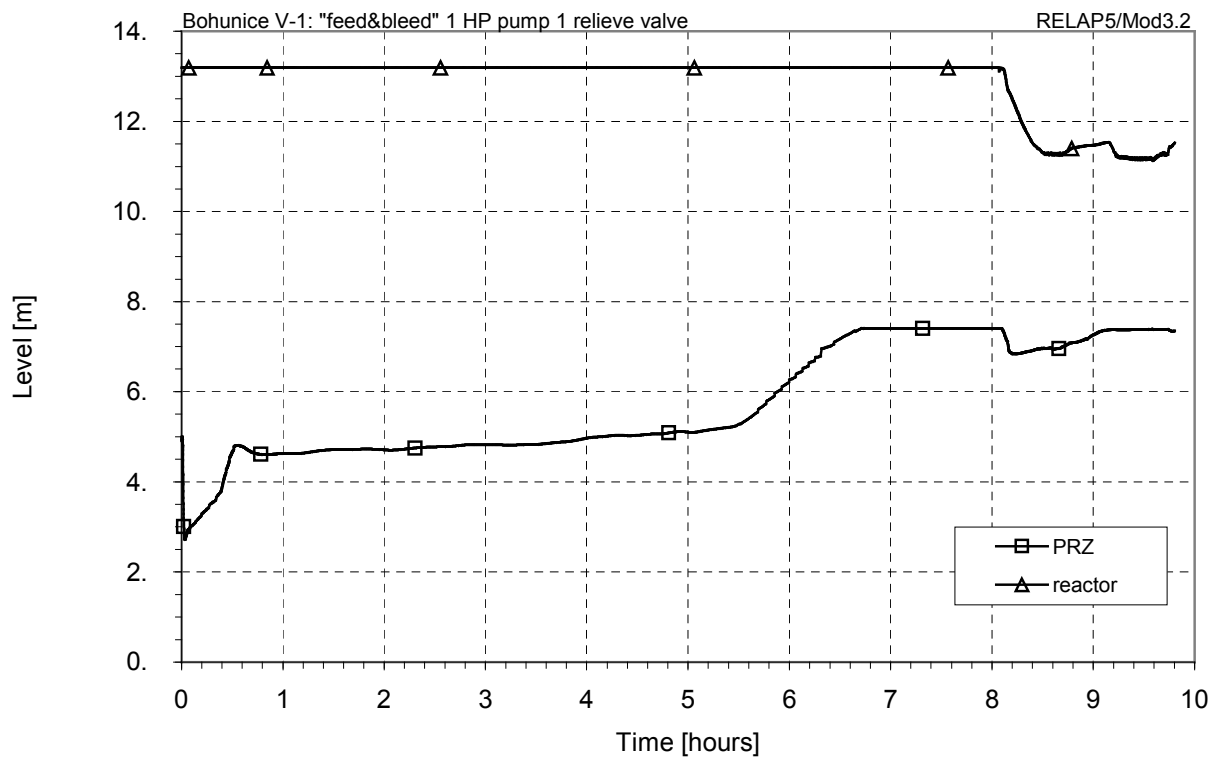


Fig. 5.3. Temperatures in reactor vessel.

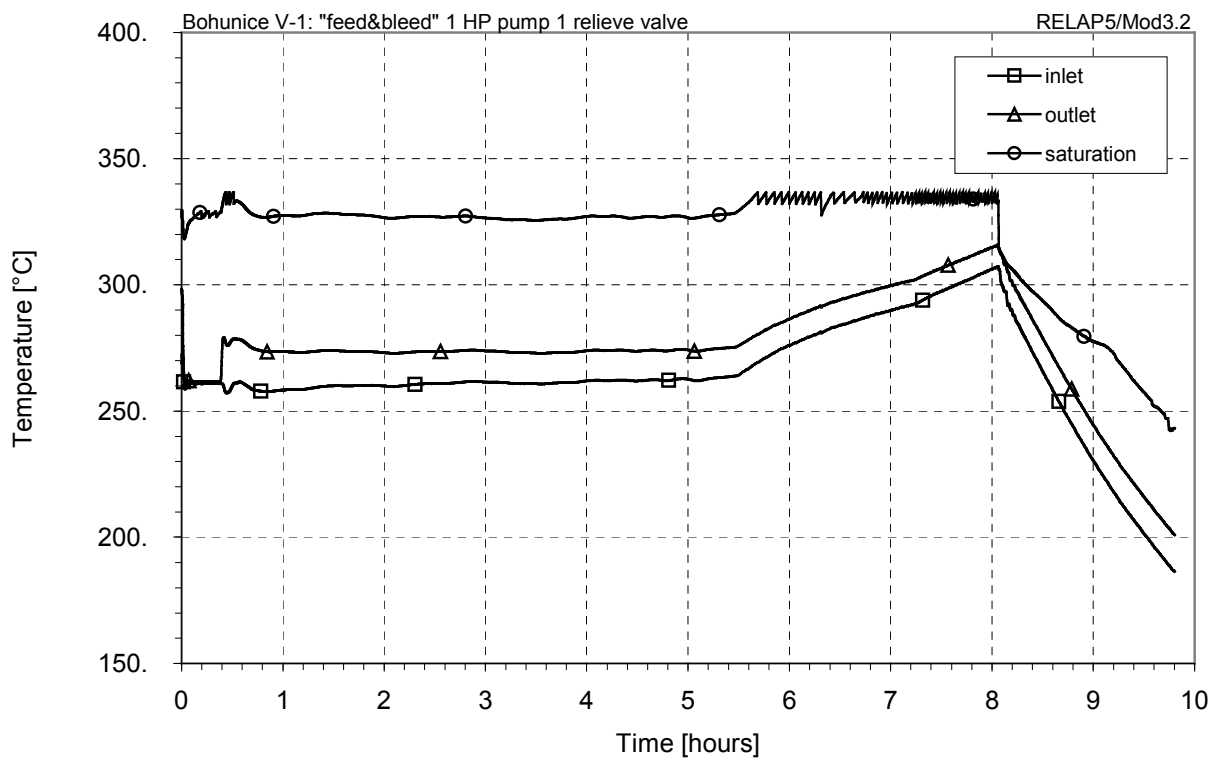


Fig. 5.4. Maximum fuel and cladding temperature.

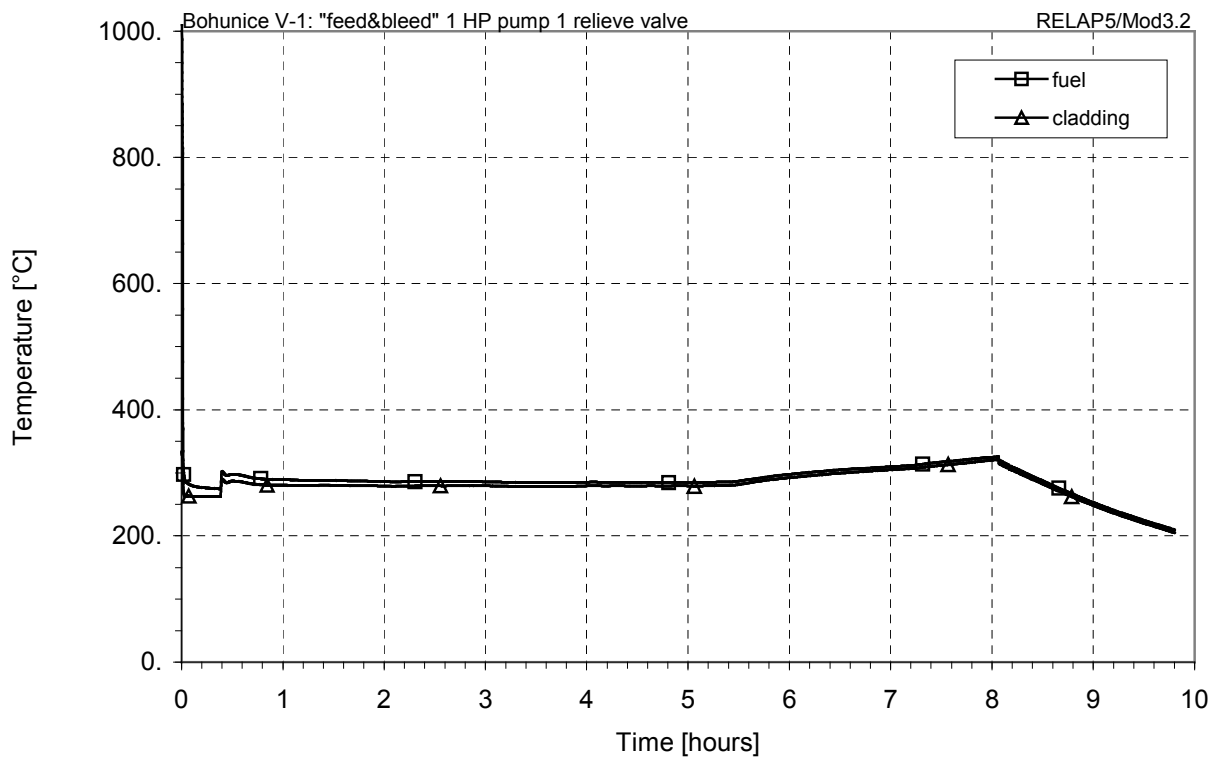


Fig. 5.5. Loop mass-flow-rates.

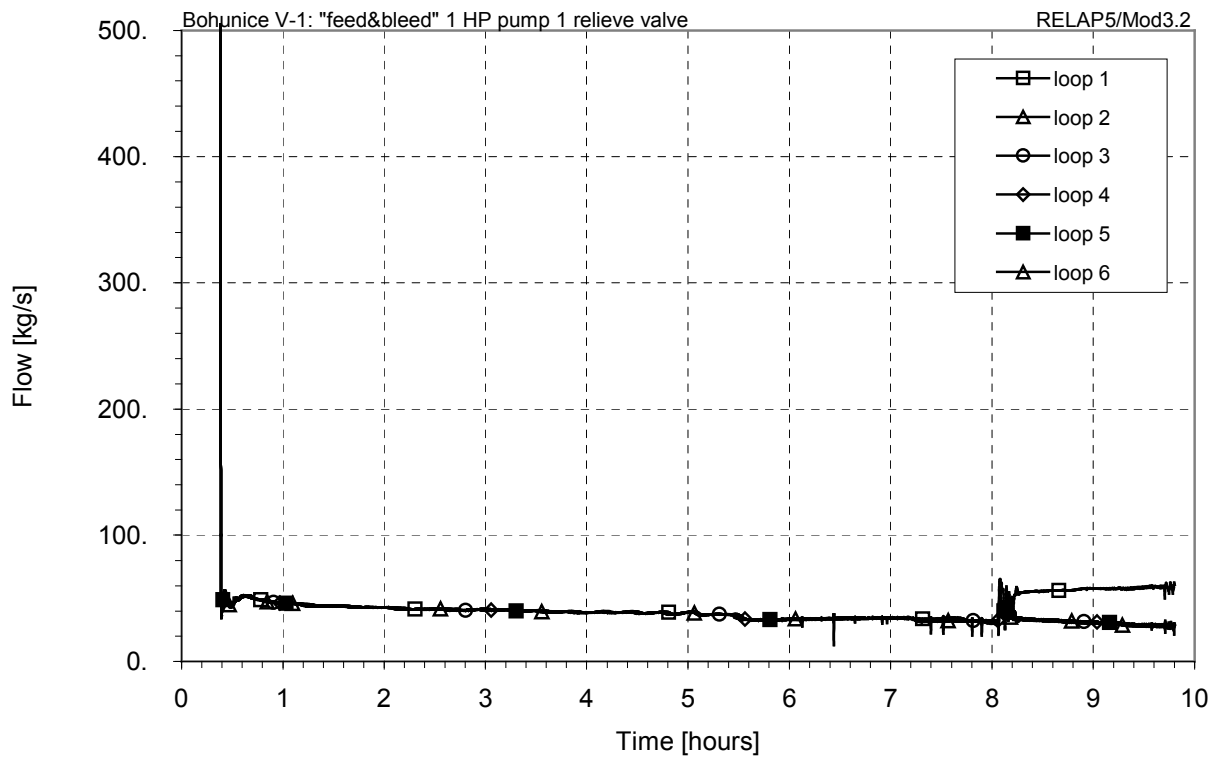


Fig. 5.6. Mass-flow-rate through PRZ relieve valve.

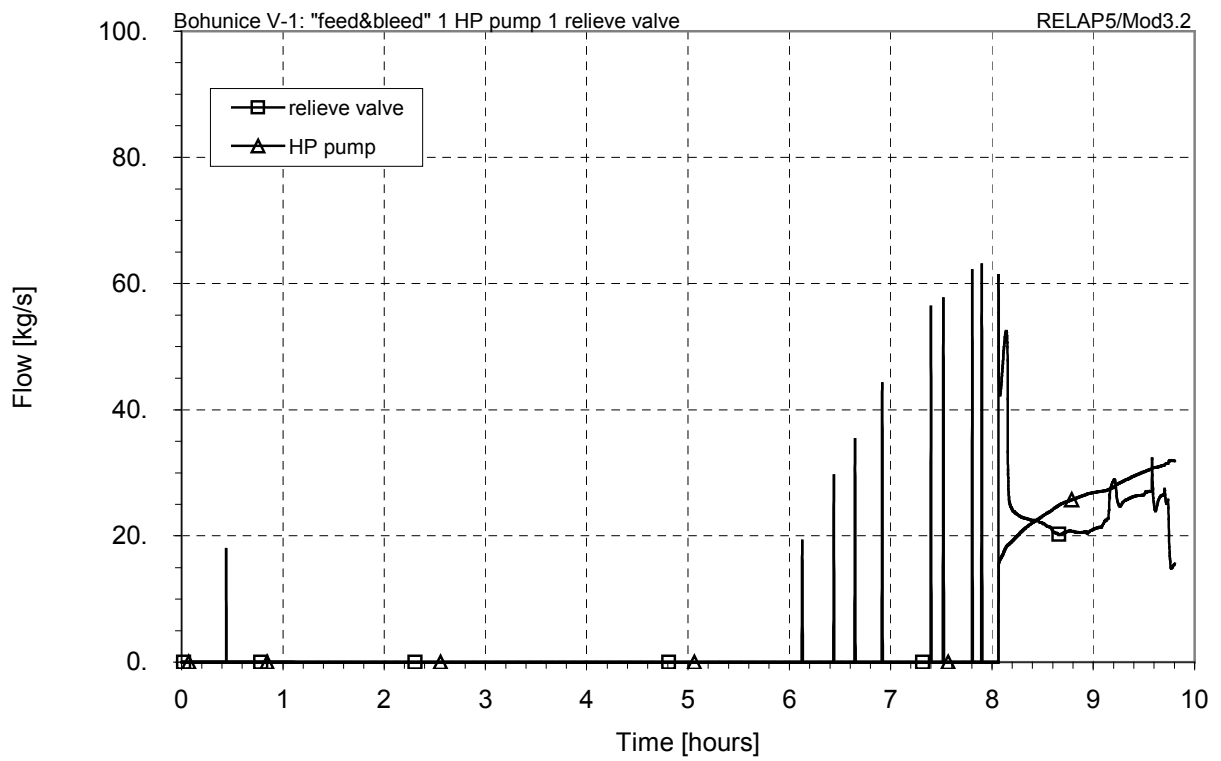


Fig. 5.7. Primary and secondary water mass inventories.

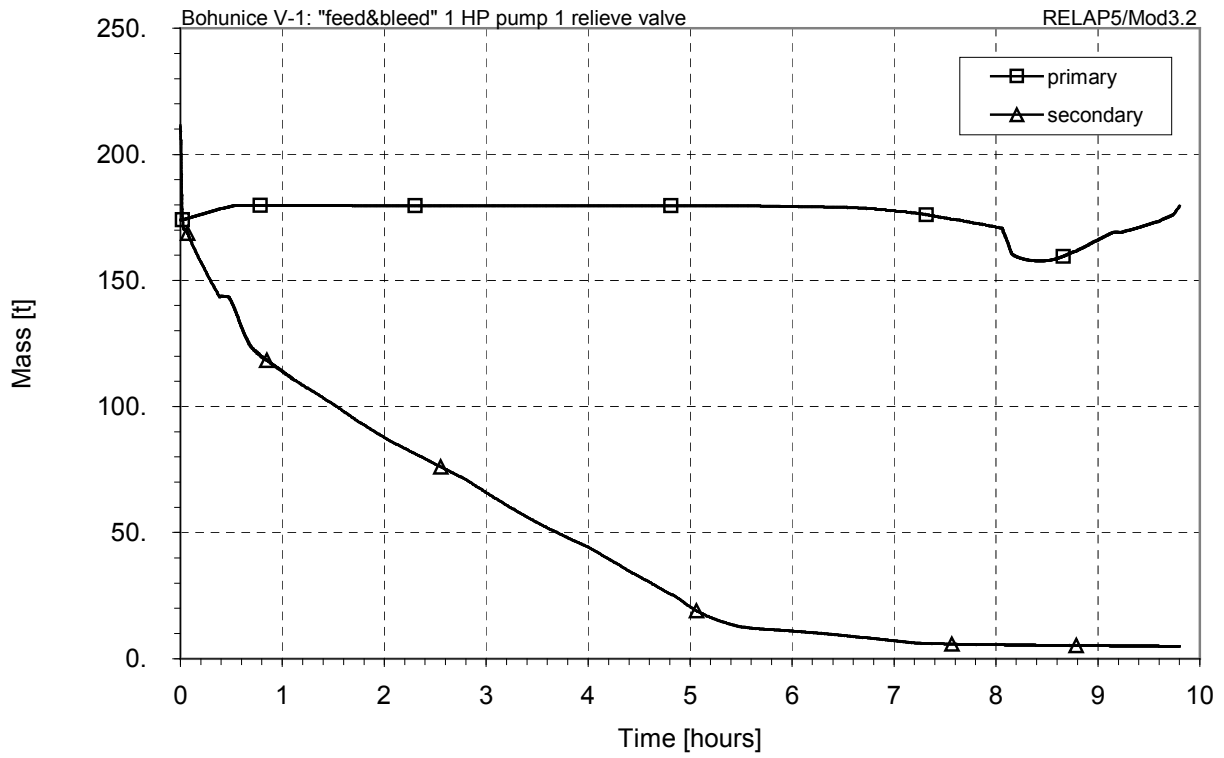


Fig. 5.8. Collapsed water level in SGs.

