RESULTS

Several campaigns have been carried out to treat concentrates with NURES® and CsTreat. About 200 m³ have been treated during each campaign and until the end of 2013 totally 1460 m³ had been treated. As a result of this treatment there are only 0.272 m³ of CsTreat left as waste. In Loviisa CsTreat is used in 8 liter columns. Thus there are 34 spent columns left as waste, and they can be disposed of in three concrete containers, with outer volume of about 1.7 m³, each.

DESCRIPTION OF THE PROJECT

Fortum found it very early that treatment of evaporator concentrates would be a most efficient system in optimization of the whole waste management chain. For this reason Fortum developed Nuclide Removal System, first for cesium removal, and later for strontium, cobalt and other corrosion products. This work continues also for development of other radionuclides.