

Solutions for D&D and ILW

Experience and Innovation in Nuclear Waste Management



GNS, world leading supplier of casks for spent fuel, HLW and ILW, also offers comprehensive services for management and disposal of spent fuel and all types of radioactive waste from operation and decommissioning of nuclear installations. This comprises planning of dismantling operations, decontamination, recycling and waste treatment services. Design and supply of treatment facilities and all kinds of engineering support round off our portfolio.

OPERATIONAL WASTE AND D&D

GNS has a wealth of experience in segmentation, recycling or packaging of any kind of metallic and ceramic materials. Waste treatment and other services are performed for all kinds of solid and liquid waste and for the whole radiological spectrum, from clearance to H/ILW packaging (from Very Low Level Waste to greater class C Level Waste). Powerful, state of the art calculation tools allow to predict the radioactivity of components to be dismantled prior to any sampling and measurements and, with a certain benchmarking, reduce measurement and sampling expenditure.

FACILITIES AND CASKS

GNS designs and supplies waste treatment facilities for all kinds of radioactive waste which contain a great deal of GNS's experience from four decades as an operator.

GNS also designs and delivers waste containers (IP-2 or Type B) for ILW resulting from both operation and decommissioning.

References in Germany

External treatment of four steam generators of NPP Stade

Design, supply and operation of an automated production line for treatment of irradiated reactor internals at the NPP Würgassen

Supply of four drying facilities (in-drum and for solid waste) for the NPPs Neckarwestheim and Philippsburg

Dismantling of several research reactors in Germany

Dismantling of RPV and internals at the NPPs Neckarwestheim 1 and Philippsburg I

External decontamination and clearance of scrap and concrete from decommissioning of the NPPs Stade and Würgassen

Treatment of spent ILW ion exchange resins and evaporates/sludges at all German NPPs

References in UK

Supply of ILW waste containers to Magnox Ltd.

Treatment of ion exchange material and sludges at Bradwell

Treatment of spent ILW ion exchange resins at Sizewell B

Newly Won Contracts in 2017

External treatment of two steam reformers of NPP Lingen

Dismantling of reactor internals for the entire PreussenElektra NPP fleet (six plants)