

kg per year, especially designed or prepared for use in a reactor as defined in paragraph (1) above, and in which the relationship of hafnium to zirconium is less than 1:500 parts by weight.

(8) Primary coolant pumps:

Pumps especially designed or prepared for circulating the primary coolant for nuclear reactors as defined in paragraph (1) above.

(9) Plants for the reprocessing of irradiated fuel elements, and equipment especially designed or prepared therefor :

A "plant for the reprocessing of irradiated fuel elements" includes the equipment and components which normally come in direct contact with and directly control the irradiated fuel and the major nuclear material and fission product processing streams. Items of equipment that are considered to fall within the meaning of the phrase "and equipment especially designed or prepared therefor" include:

- (a) Irradiated fuel element chopping machines: remotely operated equipment especially designed or prepared for use in a reprocessing plant as identified above and intended to cut, chop or shear irradiated nuclear fuel assemblies, bundles or rods; and
- (b) Critically safe tanks (e.g. small diameter, annular or slab tanks) especially designed or prepared for use in a reprocessing plant as identified above, intended for dissolution of irradiated nuclear fuel and which are capable of withstanding hot, highly corrosive liquid, and which can be remotely loaded and maintained.