

5.1.2 Treatment of Low and Intermediate Level Solid Waste

This NE Series document will integrate safety and technical information on technologies for treatment of low and intermediate level solid waste by volume reduction by compaction, super-compaction, incineration/pyrolysis, advanced oxidation, melting, etc, and supersedes 7 current IAEA technical documents, namely TECDOC-1527; TECDOC-1521; TRS-441; TECDOC-1371; TECDOC-1183; TRS-360; and TECDOC 655 published in period from 1992 to 2007 into one consistent handbook on the subject matter for designers, operators and regulators. The objective of this document is to provide state of the art guidance to MS, to align technical information with safety assessment needs, to provide operating experience and lessons learned and to have adequate basis for development of training material required for technology transfer to less developed Member States.

The new publication should be prepared in period from 2010-12 and implemented to Member States as training material for technology transfer in 2013/14. Responsible officer is Mr. Zoran Drace (Z.Drace@iaea.org).

The following documents (titles and numbers in the table below) are proposed to be consolidated, updated and organized as a NE Series document:

Sl. no.	Report No.	Yr	Report Title
1	TECDOC-1527	2007	Application of thermal technologies for processing of radioactive waste
2	TECDOC-1521	2006	Characterization, treatment and conditioning of radioactive graphite from decommissioning of nuclear reactors
3	TRS-441	2006	Management of problematic waste and material generated during the decommissioning of nuclear facilities
4	TECDOC-1371	2003	Selection of efficient options for processing and storage of radioactive waste in countries with small amounts of waste generation
5	TECDOC-1183	2000	Management of radioactive waste from the use of radionuclides in medicine
6	TRS-360	1994	Status of technology for volume reduction and treatment of low and intermediate level solid radioactive waste
7	TECDOC-655	1992	Treatment and conditioning of radioactive solid wastes
8	TRS-106	1970	The volume reduction of low-activity solid wastes