

Radioactive Waste Retrieval Technologies -New technological approaches

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Abstract –Final storages for radioactive waste are do not exist in all countries and because of that waste stored into provisional storages must from time to time be retrieved and reconditioned to be stored in new interim storages. For this purpose waste retrieval facilities are constructed, where the waste is sorted, waste volume reduced and filled into containers for a stable storage during the next 50 years. The paper describes the process of waste retrieval including presorting as the first step to recondition and to restore the waste in a new interim storage. Because of the high requirements for workers and environment safety new techniques are been developed to access the old waste storages and to handle the waste consolidation process. The integration of the waste retrieval into the waste control and surveillance architecture based on a tracking system is also described.