

“Summary Experimental study about Optimized Weight for radioactive waste drums as their type”

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Because of saturation of temporary radioactivity waste storehouse space and construction delay of low and intermediate-level radioactive waste repository, necessity for reducing radioactivity waste comes to the front.

The objectives of drum weight optimization experiment are

- To perform a close quality assurance from the first (creation) step to the last(disposal) step and secure reliability.
- To generate waste drum having optimum weight by standardization.
- To reduce amounts of waste drum generation and cut the disposal cost.
- To satisfy transfer regulations of radioactive waste drum to repository.

As of August 2010, paper weight for radioactive waste drum is optimized. After September 2010, testing to optimize weight for drums filled with cotton clothes, vinyl resin, rubber or plastic material will be pursued.