

(Detailed description)

Overview of shipment of low-level radioactive waste

Under the terms of an agreement between the two companies on disposal of low-level radioactive waste, Chubu Electric ships its low-level radioactive waste to Japan Nuclear Fuel's Rokkasho-Mura Low-Level Radioactive Waste Disposal Center in Aomori Prefecture.

Counting this shipment, Chubu Electric Power will have made a total of 25 shipments of low-level radioactive waste to the Low-Level Radioactive Waste Disposal Center.

Low-level radioactive waste included in this shipment

The low-level radioactive waste included in this shipment consists of unburnable solid wastes, put in drums, which are then filled with mortar to solidify the content. The external appearance, dose-equivalent rates, and other aspects of the shipment have been confirmed by the Japan Nuclear Energy Safety Organization (JNES).

Past shipments of low-level radioactive waste

This will be the 25th shipment of low-level radioactive waste from the Hamaoka Nuclear Power Station since the first such shipment was made in 1993 to the Rokkasho-Mura Low-Level Radioactive Waste Disposal Center. The following table provides the details of each shipment:

Shipment	Date	No. of drums	Shipment	Date	No. of drums
1	March 1993	1,920	13	September 1999	797
2	October 1993	1,120	14	February 2001	520
3	February 1994	1,600	15	November 2001	520
4	November 1994	1,600	16	March 2002	560
5	January 1995	800	17	March 2003	520
6	September 1995	1,120	18	March 2003	520
7	January 1996	800	19	February 2004	1,080
8	January 1997	880	20	March 2005	976
9	January 1997	880	21	March 2006	1,080
10	November 1997	800	22	March 2007	1,080
11	January 1998	800	23	March 2008	1,080
12	January 1999	800	24	March 2009	1,080
			25*	February 2010	1,080
			Total	—	24,013

*Current shipment's scheduled date and number of drums

Summary description of transport containers to be used in current shipment

Material	Size	Weight
Steel	3.2 m (L) × 1.6 m (W) × 1.1 m (H)	Approx. 1 ton

These transport containers have been designed pursuant to applicable laws and regulations and have passed safety inspections performed by the Nippon Kaiji Kentei Kyokai.

Summary description of vessel to be used in current shipment

Vessel	Length	Width	Load capacity	Maximum number of transport containers that can be loaded (number of drums)
Seiei Maru	Approx. 100 m	Approx. 16 m	Approx. 3,000 tons	384 (3,072)

The Seiei Maru is owned by Nuclear Fuel Transport Co., Ltd.

Full safety measures are in effect for the shipment. The Seiei Maru is equipped with radar and collision avoidance equipment, and the shipping plan is as direct as possible. The Seiei Maru is also protected against sinking by a double hull.

The Seiei Maru is to arrive with this shipment at the Port of Mutsu Ogawara on Thursday, February 18, 2010.

Low-level radioactive waste storage capacity and number of drums in storage

As of January 31, 2010

Solid-waste repository	Capacity	Number of drums in storage
No. 1	Equivalent of 7,000	Equivalent of 3,952
No. 2	Equivalent of 35,000	Equivalent of 32,078
Total	Equivalent of 42,000	Equivalent of 36,030

Land-transport safety measures

Safety measures taken for the trucks used in land transport include safely securing the cargo in place and proper labeling. Other safety measures include the stationing of traffic control personnel to direct traffic at key intersections along the transport route.

In addition, a transportation headquarters will be in place at the Hamaoka Nuclear Power Station to ascertain status of the shipment and to establish a network ensuring smooth communications regarding the shipment. Tools and materials such as equipment for measuring radiation and materials for safeguarding against exposure to radiation will be in place at the transportation headquarters at the station, as well as at other locations.

Countermeasures in the event of an accident (communication network)

In the event of an accident during shipment, related government agencies, police departments, fire departments and other bodies will be notified, and related information will be promptly released to the media.

In addition, no-entry zones will be established, and in the event of a disaster measures will be taken to extinguish a fire or combat its spread, and to neutralize and prevent the spread of contamination if a leakage occurs. Further to this, emergency measures will be effected in cooperation with police and fire departments.

Future shipment plans

This is the final shipment of low-level radioactive waste for FY2009. Plans for shipments in FY2010 and beyond are currently being prepared in cooperation with the various parties involved.