

(2) Nuclear Power Reactor Facilities in the Research and Development Stage

Facility	Item	Gaseous Radioactive Waste		
		Noble Gases (Bq)	Iodine [¹³¹ I] (Bq)	Tritium [³ H] (Bq)
Japan Atomic Energy Agency, Tsuruga Head Office,	Nuclear reactor facilities total	N.D.	N.D.	5.4E+10
Fugen Decommissioning Engineering Center *6	Annual release control target value	*7 —	*7 —	*8 1.4E+13
Japan Atomic Energy Agency, Tsuruga Head Office,	Nuclear reactor facilities total	N.D.	N.D.	5.5E+08
Fast Breeder Reactor Research and Development Center	Annual release control target value	8.2E+13	1.5E+08	—

Facility	Item	Liquid Radioactive Waste	
		Total Radionuclides (excluding ³ H) (Bq)	Tritium [³ H] (Bq)
Japan Atomic Energy Agency, Tsuruga Head Office,	Nuclear reactor facilities total	N.D.	3.1E+11
Fugen Decommissioning Engineering Center *6	Annual release control target value	*9 2.8E+08	*10 8.5E+12
Japan Atomic Energy Agency, Tsuruga Head Office,	Nuclear reactor facilities total	N.D.	*11 1.5E+08
Fast Breeder Reactor Research and Development Center	Annual release control target value	5.5E+09	9.2E+12

Note: The radioactivity (Bq) of gaseous (or liquid) waste is obtained by multiplying the concentration of the radioactive material (Bq/cm³) in the released gas (or liquid) by the amount of released gas (or liquid).

Values lower than the detection limit of radioactivity are indicated as N.D. The detection limits are as follows. (Bq/cm³)

Radioactive noble gases : 2E-02 or less,

Radioactive iodine : 7E-09 or less,

Radioactive liquid waste : 2E-02 or less (represented by the value of ⁶⁰Co.).

*6: Due to the approval of the decommissioning plan on February 12, 2008, the facility name was changed from "Japan Atomic Energy Agency, Advanced Thermal Reactor (ATR) Fugen Power Station" to "Japan Atomic Energy Agency, Tsuruga Head Office, Fugen Decommissioning Engineering Center, Advanced Thermal Reactor Prototype Reactor Facility." (Hereinafter referred to as the "Japan Atomic Energy Agency, Tsuruga Head Office, Fugen Decommissioning Engineering Center")

*7: Since October 1, 2003, due to revision of the reactor facility operational safety program, the annual release control target values of noble gases and iodine have been removed from the annual release control target values for gaseous radioactive waste.

*8: Since February 12, 2008, due to revision of the operational safety program based on the approval of the decommissioning plan, the annual release control target value for Tritium has been changed to 1.43E+13 (Bq/year).

*9: Since October 1, 2003, due to revision of the reactor facility operational safety program, the annual release control target value of liquid radioactive waste (excluding ³H) has been changed to 2.8E+08 (Bq/year).

*10: Since February 12, 2008, due to revision of the operational safety program based on the approval of the decommissioning plan, the annual release control target value for Tritium has been changed to 8.5E+12 (Bq/year).

*11: The value includes tritium (N.D.) in the water and steam systems.