

Site (Structure) : Tokai

Country: JAPAN

Reporting Year: 2004

Full Name: Japan Nuclear Cycle Development Institute ::
Tokai works

Location: Tokai Vil., Ibaraki Pref.

Description:

Official Website:

License Holder(s): Japan Nuclear Cycle Development Institute (JNC)

Note: Japan Atomic Energy Agency (JAEA) has been newly established with the integration of JAERI and JNC as of October 1, 2005.

Comment # 9817: Reprocessing Center

(Tokai Reprocessing Plant)

- 0.7 tU/d Start up in 1977

Comment # 9818: Plutonium Fuel Center

(MOX Fuel Fabrication Facilities)

Comment # 9819: other R&D facilities

R&D facilities other than REP and FFP-MOX in this site;

- uranium refining, conversion and enrichment
- processing of HLW (CPF: Chemical Processing Facility)

Waste management facilities that are located at this site:

Facility:	FFP(MOX)
Description:	JNC - Plutonium Fuel Center (MOX Fuel Fabrication Facilities); radioactive waste management (RWM) associated with Nuclear Fuel Material utilization

Site (Structure) : Tokai

Country: JAPAN

Reporting Year: 2004

Storage part of facility FFP(MOX)

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
WcTRU	Yes	Yes
UW	No	No
WfPR	No	No
WfNA	No	No
RIW	No	No

List SRS?	No
List UMMT?	No

Capacity:	36,000 drums (7,200 m ³)
-----------	--------------------------------------

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
PWSF	building	1981	No	No	No	No
PWSF-2	building	1999	No	No	No	No

Processing part of facility FFP(MOX)

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
WcTRU	Yes	Yes
UW	No	No
WfPR	No	No
WfNA	No	No
RIW	No	No

Type:	Treatment, Conditioning
Year opened:	0

Comment # 7320: Storage Units in JNC::Tokai::FFP(MOX)

•PWSF: Plutonium Waste Storage Facility

Site (Structure) : Tokai

Country: JAPAN

Reporting Year: 2004

Facility:	R&D
Description:	R&D facilities other than REP and FFP(MOX) in this site; radioactive waste management (RWM) associated with Nuclear Fuel Material utilization

Storage part of facility**R&D**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
WcTRU	Yes	Yes
UW	Yes	Yes
WfPR	No	No
WfNA	Yes	Yes
RIW	No	No

List SRS?	No
List UMMT?	No

Capacity:	64,600 drums (12,920 m ³) for solid (UW) 25.6 m ³ for Oil Waste (UW) 762 drums (152.4 m ³) for solid (CPF) 45 m ³ for Low level liquid (CPF) 36 m ³ for High level liquid (CPF)
------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
WS/B-1	building	1973	No	No	No	No
WS/B-2	building	1975	No	No	No	No
WS/B-3	building	1975	No	No	No	No
WS/B-4	building	1977	No	No	No	No
WS/B-5	building	1977	No	No	No	No
WS/B-6	building	1981	No	No	No	No
UW S/B	building	1983	No	No	No	No
UW S/B-2	building	2003	No	No	No	No
Oil W/B	building	1976	No	No	No	No
CPF	building	1979	No	No	No	No

Site (Structure) : Tokai

Country: JAPAN

Reporting Year: 2004

Processing part of facility **R&D**

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	No	No
WcTRU	No	No
UW	Yes	Yes
WfPR	No	No
WfNA	Yes	Yes
RIW	No	No

Type:	Treatment, Conditioning
Year opened:	0

Comment **# 7044: Storage Units in JNC::Tokai::R&D**

WS/B: Waste Storage Bldg.

UW S/B: Uranium Waste Storage Bldg.

Oil W/B: Oil Waste Bldg. (uranium contaminated)

CPF: Chemical Processing Facility

The CPF has tanks (stainless steel) for storage of liquid HLW.

Site (Structure) : Tokai

Country: JAPAN

Reporting Year: 2004

Facility:	REP
Description:	JNC - Reprocessing Center (Tokai Reprocessing Plant); radioactive waste management (RWM) associated with Spent Fuel Reprocessing

Site (Structure) : Tokai

Country: JAPAN

Reporting Year: 2004

Storage part of facility**REP**

The following shows storage status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	Yes	Yes
WcTRU	Yes	Yes
UW	No	No
WfPR	No	No
WfNA	No	No
RIW	No	No

List SRS?	No
List UMMT?	No

Capacity:	870 m ³ for Liquid HLW, 420 canisters for Vitrified HLW, 10,320 drums (2,064 m ³) for High Radioactive Solid waste, 92,140 drums (18,428 m ³) for Low Radioactive Solid waste, 7,540 m ³ for Low Radioactive Liquid waste
-----------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

Types of Storage Units

Storage Unit Name	Type Name	Year Opened	Closed?	Full?	Modular?	Contains SRS?
HLW(liq.)	tank (stainless steel)	1977	No	No	No	No
Sludge/B	tank (stainless steel)	1977	No	No	No	No
Sludge/B-2	tank (stainless steel)	1981	No	No	No	No
Solvent/B	tank (stainless steel)	1981	No	No	No	No
HRS/B	building	1977	No	No	No	No
HRS/B-2	building	1990	No	No	No	No
LRS/B-1	building	1985	No	No	No	No
LRS/B-2	building	1979	No	No	No	No
TVF(VHLW)	pit	1994	No	No	No	No
AsphaltSB	building	1982	No	No	No	No
AsphaltSB2	building	1989	No	No	No	No

Site (Structure) : Tokai

Country: JAPAN

Reporting Year: 2004

Processing part of facility REP

The following shows processing status for waste classes and SRS.

Waste Class	Actual	Planned
HLW	Yes	Yes
WcTRU	Yes	Yes
UW	No	No
WfPR	No	No
WfNA	No	No
RIW	No	No

Type:	Treatment, Conditioning
Year opened:	0

Comment **# 7045: Storage Units in JNC::Tokai::REP**

- HRS/B: High Radioactive Solid Waste Storage Bldg.
- LRS/B: Low Radioactive Solid Waste Storage Bldg.
- TVF: Tokai Vitrification Facility
- AsphaltSB : Asphalt(Bituminized) Waste Storage Bldg.

The HRS/Bldgs have both pool cells and dry cells. Hulls and end pieces of the fuel are stored in the pool cells.