



Repository for low and medium-level waste

Electric power line

Training Centre

OL4

OL3

OL1

OL2

Ship lane

Interim storage facility for spent nuclear fuel

Gas turbine plant

Road network

Final repository for spent nuclear fuel

Visitor Centre

Accommodation village

FACTS OF EURAJOKI MUNICIPALITY

- 6000 inhabitants
- 53% works in industry, 41% in services and 6% in agriculture
- State takes care of income distribution, municipalities of public services
- 60% of costs to healthcare and social services, 20% to education and 12% to infrastructure
- Municipalities have independent right to taxation
- 78% of income from taxation, 14% from state and 8% from payments
- Two power plant units in operation, one under construction, one under planning
- First power plant unit in operation 1979
- Interim storage for spent nuclear fuel, operating waste and decommissioning and final disposal for spent fuel in operation 2020

40 YEARS JOURNEY

1978 Investigations for Geological solution begins

1983 Government decided the schedule for final disposal

Site investigations

Site selection

2001 Parliament ratified the governments positive decision

Above-ground investigations in Onkalo

2009 Posivas capacity to apply for a construction licence

2012 Construction licence

Site construction

2018 Operation licence

Test runs and comissioning

2020 Final disposal begins

ESSENTIAL FOR MUNICIPALITY

- We have to take care of our own nuclear waste (fairness and responsibility)
- No deed to delay final disposal with out important reason
- Retrievability option, but with out safety risks
- Effects in the future must not go over nowadays limits
- Long term political commitment (several strategic decisions-in-principle)
- Only safe final disposal is feasible
- Sollutions have to be todays tecnology
- Roles and responsibilities have to be clear
- Up-to-date requirements and control over hole cycle
- STUK verifyes suitability of site
- STUK makes preparations, nominates and overlooks safety requirements
- STUKs independence of subscriber, suplier and political decision making
- Discipline on agreed issues

DECISION PROCEDURE

EIA-LAW

Environmental programme

- announcement
- public opinions
- ministrys statement

Assessment report

- announcement
- public opinions
- ministrys statement

NUCLEAR ENERGY ACT

Application for the decision-in-principle

- general hearing
- public opinions and statements
- STUKs statement about safety
- municipalitys statement (right of veto)
- decision-in-principle (government)
- parliament ratification

Construction licence (government)

Licence for each building (municipality)

Operating licence (government)

DECISION-IN.PRINCIPLE

- Political decision
- Key issue is overall interest of society
- Necessity of nuclear facility concerning energy maintenance
- Site suitability and environmental effects
- STUKs preliminary safety assessments
- Final disposal facility = nuclear facility
- Decisions-in-principle
 - 2001 (OL1-2, LO1-2)
 - 2002 (OL3)
 - 2008 (OL4)
 - 2009 (LO3) application no decision
- Total 12000 tU

CONSTRUCTION LICENCE

- Verifies qualifications to build safe nuclear facility
- Licence to build deposition tunnels and encapsulation plant
- Not licence to handle or dispose spent fuel
- NEA specifies content
- Statements and hearings according to NEA
- STUKs safety assessment is essential
- It can include reservations
- Posiva's capacity to apply for a construction licence is assessed 2009
- YEA 32 § :n Reports and surveys for application according NEA 32 § 2012

OPERATING LICENCE

- Licence to handle spent fuel and begin final disposal
- Requirement to use safe nuclear facility
- Safety insurance and total time table
- Licence official ministry, admits government
- STUKs safety assessment is crucial
- Reservations, for example temporary assessment of safety

ACCEPTABILITY

- Tvo:s and Posiva:s main policy is unconditional transparency which has developed necessary confidence
- Municipal cooperation committee since 1970
- Cooperation group of Eurajoki municipality, TVO and Posiva since 1995
- Seminars and public info sessions at the site
- Visitor Centre (20 000 visitors every year)
- Official information and public hearings organized by Ministry of Employment and Economy, Radiation and Nuclear Safety Authority and Eurajoki municipality
- We relay on officials and authorities
- All waste handling has been taken care of
- Export or import of spent nuclear fuel is not allowed according legislation
- Continuous improvement, new rulings after first licence

WELFARE

- TVO and Posiva pays real estate taxes
- Steady income, easy to make longstanding plans
- Employees and workers pay income taxes
- Business opportunities for local companies
- New jobs, a lot of local people works at the site
- Cooperation with Posiva concerning Vuojoki mansion, economical benefit straight away site selection