framatome

ELECTRA

Illustration on 13000MWe PWR[1]
Training path: SYSTEMA/ ELECTRA/ PHYSICA/ OPERA

Duration: 5 days (35 hours)

Language: French – English

Participants: 08 – 15

Location: Paris, other location on request

Level: Advanced

Contact: formation.reacteurs@framatome.com

You are:

An engineer or a technician involved in activities related to normal operation of 1300MWe PWR

Prerequisites:

Knowledge of the main systems of 1300MWe PWR

During the training you will:

- Study normal operation of 1300MWe PWR

After the training, you will be able to:

- Analyze objectively the operating status of the reactor according to the design assumptions and the operating technical specifications of 1300MWe PWR
- Explain the different operation modes and the associated limits of 1300MWe PWR in normal operation state

Course strengths:

- Theoretical learning by specialists
- Practice of theoretical learning by the use of the engineering simulator
- Exchanges and experiences sharing

Program

Theoretical classes:

- OTS[2]
- Normal Operation Documentation
- Main PWR regulations
- Divergence and redivergence
- Primary and secondary protection functions

Applications on simulator:

- From normal cold shutdown to intermediate monophasic shutdown operation
- From intermediate monophasic shutdown to intermediate shutdown with SG heat removal respecting RHR[3] connection conditions operation
- Practice on main regulations
- Permissives P11 and P12
- Redivergence strategy after an automatic shutdown reactor
- From hot standby to power operation
- Reactor control: mode A and mode G

[1] Pressurized Water Reactor

[2] Operating Technical Specifications

[3] Reactor Heat Removal