



Angra 1 NPP

Steam Generator Replacement

Radiological Protection Plan

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Angra NPP



Angra 1

- Angra 1
PWR – Westinghouse
626 MW
2 Loops

25 Years of operation.

Angra 2

- Angra 2
PWR – Siemens/KWU
1350 MW
4 Loops

8 Years of operation.

Angra 1 – SGR: Radiological Protection

- Collective Dose
- Human Resources
- Waste Management
- Initial Deposit of Steam Generator

Angra 1 – SGR: Radiological Protection

- Collective Dose

Preliminary Estimative....1.2 Person.Sievert

Angra 1 – SGR: Radiological Protection

- RP Human Resources

ELETRONUCLEAR employees

7 RP Supervisors

50 RP Technicians

30 in Occupational RP services in controlled area.

7 Decontamination Auxiliary Technicians

Angra 1 – SGR: Radiological Protection

- RP Human Resources

- Contractors

- 60 RP professionals

- Including RP Supervisors and Technicians.

- 100 Decontamination Auxiliary Technicians

Angra 1 – SGR: Radiological Protection

- Waste Management

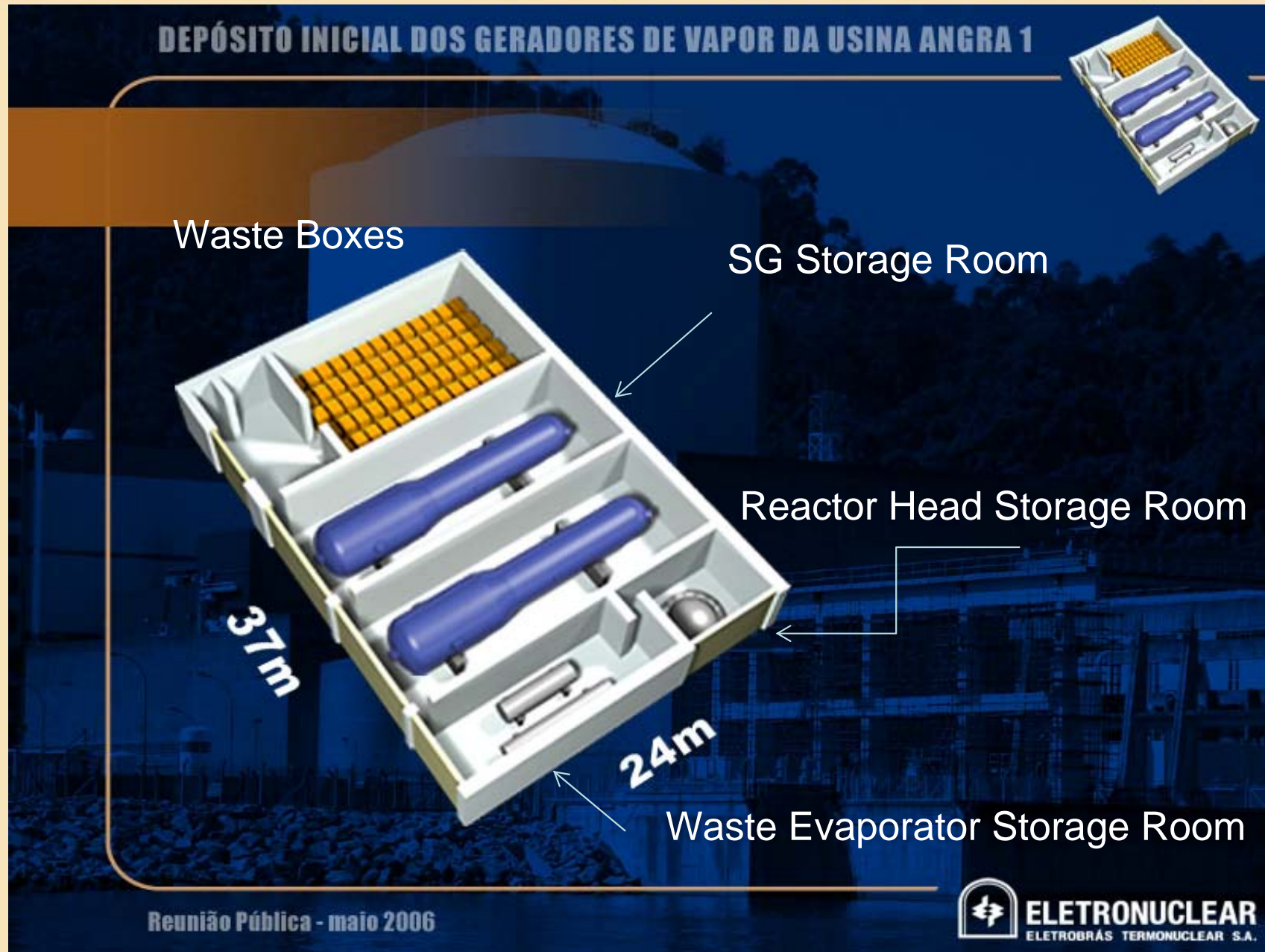
Estimated

166 Metal Boxes (200 m³)

Initial SG Deposit - DIGV



Initial SG Deposit - DIGV



Initial SG Deposit - DIGV



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Angra 1 – SGR: Radiological Protection

- Main Topics of RP Plan

- Source Terms

- Optimization System

- Workers (Qualification, Functions...)

- Training Program

- Area Monitoring Program

- Effluents Monitoring Program

- Environmental Monitoring Program

- Decontamination and Waste Management

Angra 1 – SGR: Radiological Protection

- Main Topics of RP Plan

- Medical Control

- ALARA Plan

- Radiological Limits

- Emergency Actions

- Procedures

- Quality Assurance Program

Radiological Protection Plan

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