

CNSNS Actions After the Fukushima Accident

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2. General Data

- Two Boiling Water Reactors
- Thermal Power 2027 MW
- Unit 1 started commercial operation in 1990,
- Unit 2 started commercial operation in 1995,
- Operator: Comisión Federal de Electricidad (CFE)



Site location



**Central Laguna Verde
State of Veracruz**



CNSNS ACTIONS

- 1. Review of the initial response measures implemented by various regulators of other countries.**
- 2. Revise and adjust the Base Inspection Program (PBI) to include initiatives taken by other international regulatory bodies.**
- 3. Analyze the results of CNSNS inspections to LVNPP to those areas related to Dai Ichi NPP events.**
- 4. Required to CFE to conduct the so called stress tests defined for nuclear power plants in the context of Iberoamerican Forum of Radiological and Nuclear Regulators (FORO).**
- 5. Determine those safety issues to be established as requirements.**

CNSNS Action 1

1. **CNSNS required to CFE to conduct an initial review of the capacity of the LVNPP to cope with an event of the magnitude that struck the Fukushima Dai Ichi NPP.**
 - **Significant Operating Experience Report WANO SOER 2011-2**
 - **NRC Information Notice 2011-05**

CNSNS Action 1

Required LVNPP to comply with the requirements in 10 CFR 50.54, "Conditions of Licenses" section (hh) (2) in terms of developing and implementing guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities, under the circumstances associated with loss of large areas of the plant due to explosions or fire, to include strategies in the following areas:

- I. Fire fighting;**
- II. Operations to mitigate fuel damage; and**
- III. Actions to minimize radiological release.**

CNSNS Action 2

- **During the second half of 2011, two special inspections took place:**
 - **to independently verify capacity of Laguna Verde Nuclear Power Plant to cope with an event similar to that occurred at Fukushima Daiichi**
 - **To verify the implementation of the SBO rule**
- **Inspection areas of scheduled inspections (Base Program) were adjusted to include areas related to LVNPP response to events similar to that occurred in Fukushima.**

CNSNS Action 3

The results of special inspections and base program inspections including areas related to LVNPP response to events similar to that occurred in Fukushima have been consolidated into a report that is now under review.

CNSNS Action 4

- Licensee has completed the stress test and submitted the report to CNSNS
- CNSNS reviewed the report including actions proposed by the licensee to improve the capacity of LVNPP to cope with events similar to that occurred at Fukushima
- Results of CNSNS review were submitted to cross review of the members of the FORO

CNSNS Action 5

- **Consolidated Inspection results report and Stress Tests report will be used to establish regulatory requirements.**
- **Requirements being considered are**
 - **Complete Seismic Site reassessment**
 - **Development of Accident Management Guides**
 - **External Events PSA**

Thank you