



CNEN
Comissão Nacional
de Energia Nuclear

CNEN ACTIONS RELATED TO FUKUSHIMA ACCIDENT

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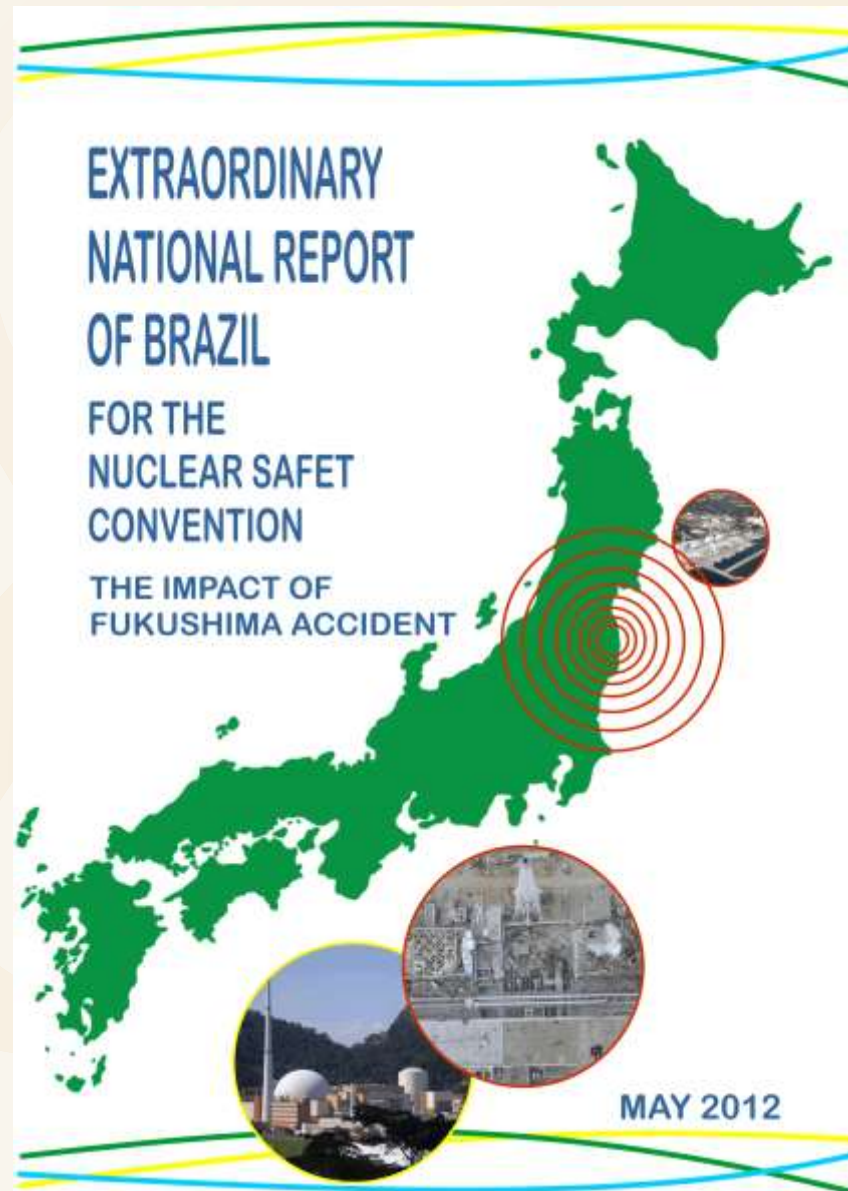
Comissão Nacional de Energia Nuclear – CNEN - Brasil

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INTRODUCTION



IMMEDIATE ACTIONS

- ◆ **GATHERING INFORMATION**
- ◆ **INFORMATION TO AUTHORITIES**
- ◆ **INFORMATION TO PUBLIC (TV, Radio)**
- ◆ **INFORMATION TO BRAZILIANS LIVING IN JAPAN**
 - **~250 000 Brazilians in Japan – Many with language limitation.**
 - **BULLETINS IN THE CNEN HOMEPAGE**
 - **HUNDREDS OF ACCESSES AND REQUEST FOR INFORMATION**

REQUEST TO LICENCEE (ELETRONUCLEAR)

◆ **FORMAL LETTER REQUESTING ANALYSIS** (Document 082/11-GRC/CNEN of May 13, 2011)

- 1. Identify the major design differences between Fukushima and Angra Units;**
- 2. Identify possible external initiating events (extreme) and the internal potential cause a common mode failure;**
- 3. Control of concentrations of hydrogen in the containment;**
- 4. Ensuring supply of electric emergency power;**
- 5. Fulfillment of the requirements of station blackout;**
- 6. Service water system, cooling chain;**
- 7. Procedures for severe accidents;**
- 8. Access to buildings and controlled area of the reactor after a severe accident**
- 9. Development of Probabilistic Safety Analysis Level 1+ and 2;**
- 10. Performance of "stress tests"**
- 11. Emergency planning**

REQUEST TO LICENCEE (ELETRONUCLEAR)

- ◆ **ACTION BY ELETRONUCELAR**
 - ◆ **ANALYSIS**
 - ◆ **ACTION PLAN (SUBMITTED TO CNEN)**
 - ◆ **IMPLEMENTATION**

ADDITIONAL ACTIONS

- ◆ **READINESS FOR INSPECTION OF GOOD FROM JAPAN: AGREEMENT WITH CUSTOMS AUTHORITIES AND SANITARY AUTHORITIES: (Not used!)**
- ◆ **PARTICIPATION IN MISSION TO JAPAN: (Not focus in nuclear safety!)**

FOLLOWING WORLD DEVELOPMENTS

- ◆ **IAEA: Information, Japan mission, environmental monitoring**
- ◆ **WANO/INPO: SOER (Significant Operational Event Report)**
- ◆ **EU - WENRA: Recommendation of Stress Tests”**
- ◆ **IBER-AMERICAN FORUM: Report requested**
- ◆ **CONVENTION ON NUCLEAR SAFETY:**
 - **EXTRAORDINARY NATIONAL REPORT: MAY 2012,**
 - **EXTRADORDINARY MEETING: AUGUST 2012.**

FOLLOWING WORLD DEVELOPMENTS

- ◆ **IAEA Conference** (Which resulted in the IAEA Fukushima Action Plan)
- ◆ **UN Heads of State Conference** (Called by UN Secretary General) - CNEN participated as Advisor to President Dilma Dusef

CURRENT ACTIVITIES

- ◆ **ANALYSIS OF ELETRUNUCLEAR ACTION PLAN:**
(Comments & Adjustments)
- ◆ **FOLLOW UP OF IMPLEMENTATION:**
(Plant Modifications, Training)
- ◆ **IMPROVEMENTS IN SIPRON: (Emergency Planning organization, including CNEN)**

Thanks!
OBRIGADO !

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