



# Philippine Progress Report on PRR-1 Decommissioning Project

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# PRR-1 Decommissioning Project- Regulatory compliance

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- Submitted to the regulatory division the information on activities and time line for the preparation for decommissioning of the PRR-1 for the period 2010-2013.
- Received amended license to expire on 24 March 2013.

# PRR-1 Decommissioning Project- Completed and on-going activities

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## CHARACTERIZATION

### ○ **Field Survey**

- Equipment have been purchased and delivered thru the IAEA
- Much of the work procedures have been written in particular for scanning alpha, beta and gamma contamination
- There are areas in the Reactor building that were already hand-scanned by means of a wide area monitoring technique.
- Writing of field survey reports are on-going.

# PRR-1 Decommissioning Project- Completed and on-going activities

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## ○ **Sampling**

- The equipment have been purchased locally i.e., core drilling machine and accessories
- Much of the work procedures have been written in particular for metal, concrete, soil, paint and airborne monitoring.
- Samples were taken in some areas of the reactor - process room, tank room, reactor bay, areas near the cooling tower and low power section of the reactor pool.
- Sampling methods include smear, scraping and core drilling.

# PRR-1 Decommissioning Project- Completed and on-going activities

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## ○ **Laboratory Analysis**

- The equipment have been purchased
- Much of the work procedures have been written in particular for the calibration standards for the gamma spectrometry system and its efficiency.
- There are samples that were already analyzed and on-hand results are available through excel format.
- Written laboratory analysis results are not complete

# PRR-1 Decommissioning Project- Completed and on-going activities

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## TRANSITION

Repair of Reactor building and its facilities:

As part of the transition phase of the decommissioning of PRR-1, the PNRI has also focus on the preservation of the reactor building and its facilities. To maintain the integrity of good house keeping while decommissioning process is on-going.

- prevent structural deterioration of the reactor building
- preserve in working order the systems and equipment that will be used during dismantling and decontamination
- remove trash and easily movable radioactive material.
- maintain remaining nuclear fuel in a safe and secure storage



# NRD Regulatory activities-Authorization

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- Issued renewal and subsequently an amended authorization to expire on 2013
  - Authorizing hazards characterization, maintenance of plant infrastructure, possess and store nuclear fuel rods and use calibration/reference sources
  - Authorizing the designation of new Project Manager



# Regulatory activities-Inspection

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- Results of inspection
  - 3 items of non-compliance
    - On calibration of detection instruments, record keeping and display of authorization
  - Improved housekeeping





# Draft Comprehensive Nuclear Law - creating an independent regulatory body

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- Pending in Congress for deliberation during the 14<sup>th</sup> Session