Experiences and Lessons Learned from the Implementation Management System at the Ignalina NPP

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Content

• Information about INPP
• Evolution of PBMS at INPP
• Legal basis
• PBMS creation stages
• Lessons Learned, Experiences and Difficulties
Information about INPP

1984 - 2004 – Unit 1 in operation

1986 - 2009 – Unit 2 in operation
Legal basis (1)

2006 - 2009
Legal basis (2)

National Requirements

„REQUIREMENTS FOR MANAGEMENT SYSTEM”

Published in 2010
Evolution of PBMS at INPP

- Quality Assurance Program (1997-2010)
- Transition period (2010-2015)
- Integrated PBMS (since 2016)
Transition to the PBMS

2010-2013
• Establishing and documenting

2013-2016
• Implementing and improving
Establishing and documenting (2010 – 2013)

• Identification of Processes
• Assigning Owners
• Development of Methodology, how to describe Processes
• Training Owners and Procedure Writers
• Procedures, Flow-charts and KPI’s of Processes
• New Policies and Management System Manual

• PBMS transition/establishment plans and reports
Identification of Processes

• 26 QAP Management Procedures (old)

• 16 PBMS Processes (new):

  • Decommissioning (Dismantling, Decontamination, Radiological characterization, Engineering inventory, Isolation)

  • Economical and other aspects (Organization Management/Decision making, Planning, Licensing, Finance Management, Independent Assessment, Project Management)
KPI’s of Processes

- **SMART**
- Selection and Use of Performance Indicators in Decommissioning, NW-T-2.1, IAEA, 2011
- 42 processes - 187 indicators
- Effectiveness, Efficiency/Economy, Safety/Quality
Flow-charts of Processes
Policies

1. Safety Policy
2. Quality Policy
3. Environmental Policy
4. Health Policy
5. Security Policy
6. Human Resources Policy
7. Documentation Policy
8. Decommissioning Policy
9. Financial Resources Policy
10. Accounting Policy
State Enterprise
Ignalina Nuclear Power Plant

- ISO 9001 (Quality)
- ISO 14001 (Environmental)
- OHSAS 18001 (Health)
- ISO 21500 (Project Management)
- ISO 20001 (Information Technology)
- ISO 27001 (Information Security)
- ISO 31001 (Risk Management)
- ISO 50001 (Energy Management)
- SA 8000 (Social Accountability)
- ISO/IEC 17025 (Testing and Calibration Laboratories)
Implementing and improving (2013-2016)

• Continuing Training of the Owners and Heads of Departments
• Presentation to Top Managers
• Implementation Audits
• Improving the Processes on results of these Audits (corrective and preventive actions)
• Follow-up Audits (to confirm the implementation of processes)
• Review of the Management System Manual

• PBMS implementation plan and final report
Lessons Learned, Experiences and Difficulties

- List of Processes
- Organizational Changes
- Organizational Structures
- Process or project
- No System of Decommissioning Indicators for Benchmarking (similar WANO)

- Communication with Main Interested Parties
Main Tasks

- Process Classification
- Process Flow-charts with Swim Lanes
- Process KPI’s
  (Safety/Quality/Effectiveness/Efficiency)

- Implementation – till the 1\textsuperscript{st} of March 2016
Challenges

- Process KPI System Automatisation
- Process Flow-charts Automatisation
- Certification of PBMS of INPP in accordance with ISO Standards

- Change thinking for the continual improvement
Thank you for attention! Questions?