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| **Workshop on “Training to Strengthen the Capability of BNPP Personnel on Routine Core Analysis for Safe Operation,” Bushehr, Iran**  **Aug. 16 - 20, 2014** | | | | |
| **Saturday Aug 16, 2014**  **Workshop on Routine Core Analysis** | | | | |
| 0830 – 0900 | Opening | | BNPP | |
| 0900 - 1000 | Objectives, overview of the WS and Introduction of participants | | | K. Sim |
| 1000 - 1015 | ***Break*** | | | |
| 1015 - 1145 | Presentation on “Introduction to Tools and Methods” | | | K. Kamenov |
| 1145 – 1300 | ***Lunch*** | | | |
| 1300 – 1430 | Presentation on “ Performing simulated neutronic calculations in order to analyze precision of calculated and measured parameters of the core: validation and application to static analysis” | | | K. Kamenov |
| 1430 – 1445 | ***Break*** | | | |
| 1445 – 1600 | Presentation on “A Review of the Technical Basis for Plant Operating and Safety Limits | | | K. Sim |
| **Sunday Aug. 17, 2014**  **Workshop on Routine Core Analysis** | | | | |
| 08:30 – 10:00 | | Presentation on Core management strategy through the fuel cycle, fuel reloading sequence, core monitoring programme at power | | BNPP |
| 10:00 – 10:15 | | ***Break*** | |  |
| 10:15 – 11:45 | | Presentation on “ Performing neutronic calculations in order to decide upon the next fuel loading ” | | K. Kamenov |
| 11:45 – 13:00 | | ***Lunch*** | | |
| 13:00– 14:45 | | Presentation on “ Calculation of Xe effects ” | | K. Kamenov |
| 14:45– 15:00 | | ***Break*** | |  |
| 15:00– 16:00 | | Presentation on “Safety justification for the next fuel campaign and Core Neutronic Characteristic Album for reactor operators” | | K. Kamenov |
| 16:00 – 16:30 | | Questions/discussion | | All Participants |
| **Monday Aug. 18, 2014**  **Workshop on Routine Core Analysis** | | | | |
| 08:30 – 10:00 | | IAEA presentation on “Oversight and Audit of Vendor Supplied Design Information based on IAEA Requirements” | | A. Ulses |
| 10:00 – 10:15 | | ***Break*** | | |
| 10:15 - 11:45 | | Presentation on “Introduction to Reactor Dynamics” | | G. Ponomarenko |
| 11:45 – 13:00 | | ***Lunch*** | | |
| 13:00 – 14:45 | | Presentation on “ Performing neutronic calculations in order to analyze transient and/or emergency operation modes of reactor plant” | | G. Ponomarenko |
| 14:45 – 15:00 | | ***Break*** | | |
| 15:00 – 16:00 | | Presentation on “Power and Power Shape Control Including Xenon Effects” | | G. Ponomarenko |
| 16:00 – 16:30 | | Questions/discussion | | All Participants |
| **Tuesday Aug, 19, 2014**  **Workshop on Routine Core Analysis** | | | | |
| 0830 - 1000 | | Presentation on “Rapid Power Reduction and Control Under Extreme Conditions” | | G. Ponomarenko |
| 1010 – 1015 | | ***Break*** | | |
| 1015 – 1145 | | Presentation on “AOO and DBA cases with Examples” | | G. Ponomarenko |
| 1145 – 1300 | | ***Lunch*** | |  |
| 1300 – 14:45 | | Presentation on “Start up Physics Tests at Hot Zero Power and During the Power Increasing at the BOC ” | | K. Kamenov |
| 14:45 – 15:00 | | ***Break*** | | |
| 15:00– 16:00 | | Presentation on “Comparisons Between the In-Core Monitoring System Data and Calculations During the Fuel Cycle Operation ” | | K. Kamenov |
| 16:00 – 16:30 | | Questions/discussion | | All Participants |
| **Wednesday Aug, 20, 2014**  **Workshop on Routine Core Analysis** | | | | |
| 0830 - 1000 | | Presentation on “Introduction to Fuel Failure Mechanisms” | | A. Ulses |
| 1000 - 1015 | | ***Break*** | | |
| 1015 – 1145 | | Presentation on “Methods to Address Fuel Behavior for Different Plant States” | | A. Ulses |
| 1145 - 1245 | | Wrap-up, course review and assessment | | All Participants |
| 1245 - 1400 | | ***Lunch*** | | |