**WS on advance maintenance methods, materials and tools to enhance BNPP-1 safety 2.2.1/3.1.2**

**Bushehr, 8 – 12 August 2015**

**Agenda**

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| **Day 1/Time**  | **8 August** |
| 09:00 – 09:15 | Welcoming and opening remarks, by IAEA |
| 09:15 – 09:45 | Introduction of participants, election of Chairperson and adoption of Agenda |
| 09:45 – 10:30 | Expectations of work shop, Iranian participants |
| 10:30 – 11:00 | Coffee Break |
| 11:00 – 11:45 | BNPP-1 maintenance programme / BNPP-1 |
| 11.45 – 12.30 | IAEA activities in PLIM, Maintenance and Outage Optimization / IAEA Varjonen |
| 12:30 – 14:00 | Lunch Break |
| 14:00 – 14:45 | CBM review of safety related pumps (practical example)/ Dias Costa Brasil |
| 14:45 – 15:15 | Coffee Break |
| 15:15 – 16:30 | Work Group discussion, question |
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| **Day 2/Time**  | **9 August** |
| 08:30 – 09:15 | Reliability program for I&C Electronic Cards / Dias Costa Brasil |
| 09.15 – 10.00 | Case study boiler feed water pump maintenance / IAEA Varjonen |
| 10:00 – 10:30 | Coffee Break |
| 10:30 – 11:15 | Main transformers Monitoring System / Dias Costa Brasil |
| 11:15 – 12:00 | RCM / IAEA Varjonen |
| 12:00 – 13:30 | Lunch Break |
| 13:30 – 14:15 | Concrete structures Inspection Program / Dias Costa Brasil |
| 14:15 – 14:45 | Coffee Break |
| 14:45 – 15:30 | Systematic maintenance planning / IAEA Varjonen |
| 15:30 – 16:30 | Work Group discussion, question |
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| **Day 3/Time** | **10 August** |
| 08:30 – 09:15 | Asset management program / Dias Costa Brasil |
| 09.15 – 10.00 | Personal introduction, Hungarian nuclear energy / Gabor Wolf Hungary |
| 10:00 – 10:30 | Coffee Break |
| 10:30 – 11:15 | PAKS Maintenance overview / Gabor Wolf Hungary |
| 11:15 – 12:00 | Equipment’s in service testing of pumps and valves / Gabor Wolf Hungary |
| 12:00 – 13:30 | Lunch Break |
| 13:30 – 14:15 | System and unit level monitoring / Gabor Wolf Hungary |
| 14:15 – 14:45 | Coffee Break |
| 14:45 – 15:30 | Master equipment list & CMMS requirements / Gabor Wolf Hungary |
| 15:30 – 16:30 | Work Group discussion, question |

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| **Day 4 /Time**  | **11 August** |
| 08:30– 09:15 | Overview of diagnostic activities in PAKS NPP / Gabor Kiss Hungary |
| 09:15 – 10:00 | Motor operated valve diagnostic techniques and measurement program / Gabor Kiss Hungary |
| 10:00 – 10:30 | Coffee Break |
| 10:30 – 11:15 | Using diagnostic results in maintenance decision programs / Gabor Kiss Hungary |
| 11:15 – 12:00 | Off-line and on-line vibration monitoring program / Gabor Kiss Hungary |
| 12:00 – 13:30 | Lunch Break |
| 13:30 – 14:15 | Planning and Scheduling of outages /IAEA Varjonen |
| 14:15 – 14:45 | Coffee Break |
| 14:45 – 16:30 | Work Group discussion, question |

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| **Day 5 /Time**  | **12 August** |
| 08:30 – 10.30 | Discussion, conclusions and recommendations of workshop |
| 10:30 – 11:00 | Coffee Break |
| 11.00 - 14:00 | Conclusion and closure of workshop |
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