

IAEA/ANL Training Course on Leadership and Management of NPP Programmes, 11 August - 22 August, 2014

Tentative Calendar and Activities – Week 1 Rev. 6 (as of 30 July, 2014) EG -jb

| Time* | Monday | | | Tuesday | | | Wednesday | | | Thursday | | | Friday |
|-------|-----------------------------|--|------------------------------|-----------------------------|--|------------------------|-----------------------------|--|-------------------------------------|-----------------------------|--|-------------------------------|---|
| 7:30 | 11 August 2014 | | | 12 August 2014 | | | 13 August 2014 | | | 14 August 2014 | | | Bus Departs from ALOFT Hotel at 7:30 AM |
| | Lecture # | Lecture Topic | Lecturer | Lecture # | Lecture Topic | Lecturer | Lecture # | Lecture Topic | Lecturer | Lecture # | Lecture Topic | Lecturer | |
| 8:00 | L.0.5 | Collection of stipend fund | USA S. Hamilton | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | Discussion held on the bus |
| 8:30 | L.0.1 | Opening Ceremony | ANL, IAEA | L.9.5 | Sharing Experience Nuclear Power Project: Leadership and Management of an effective RB | IAEA B. Tyobeka | L.4.1A | IAEA Nuclear safety Programme | IAEA D. Graves | L.0.9 | The role of the Atomic Energy Commission in a NP Country | Jensen Mariani, Santiago, ARG | Watch "Pandora's Promise" - a documentary about the hardships related to the public opinion influencing the nuclear industry |
| 9:00 | L.0.2 | Introduction Course/Participants | USA Deitrich, Braun, Lindley | | | | L.3.1 | Safety Aspects for Nuclear Power Programme and Building a Regulatory Framework | IAEA D. Graves | L.0.9 | Nuclear Power Dev. Programme in Malaysia | JAM, Saliza | |
| 9:30 | L.0.3 | ANL Site Safety Briefing | ANL EQO | | | | BREAK (30 MIN) | | | | | | |
| 9:50 | BREAK (20 MIN) | | | BREAK (20 MIN) | | | BREAK (20 MIN) | | | L.5.1 | Methodology for site selection and evaluation | IAEA V. Nkong-Njock | |
| 10:00 | L.6.1 | Introducing nuclear energy in emerging NP countries and infrastructure development | IAEA V. Nkong-Njock | L.9.5 | Sharing Experience Nuclear Power Project: building a national safety and regulatory infrastructure: SAF experience | IAEA B. Tyobeka | L.3.2 | International legal framework for nuclear safety, security and safeguards | USA C. Stoiber | L.8.1 | Nuclear fuel cycle: Overview, fuel supply and spent fuel management options | USA Roy Lindley | |
| 11:00 | L.1.1. & 2 | Energy & Sustainable Development: Energy Planning and feasibility studies for nuclear energy | USA G. Conzelmann | BREAK (20 MIN) | | | BREAK (20 MIN) | | | BREAK (20 MIN) | | | Welcome/Introduction lecture Speaker: TBD |
| 11:30 | | | | BREAK (20 MIN) | | | BREAK (20 MIN) | | | BREAK (20 MIN) | | | BREAK (20 MIN) |
| 12:00 | LUNCH BREAK (1 HOUR) | | | LUNCH BREAK (1 HOUR) | | | LUNCH BREAK (1 HOUR) | | | LUNCH BREAK (1 HOUR) | | | LUNCH BREAK |
| 12:30 | LUNCH BREAK (1 HOUR) | | | LUNCH BREAK (1 HOUR) | | | LUNCH BREAK (1 HOUR) | | | LUNCH BREAK (1 HOUR) | | | LUNCH BREAK |
| 13:00 | L.2.1 | Introduction to the technology of nuclear reactors | USA L.W. Deitrich | L.2.2 | Description of the major design features of the GEN3, GEN3+ NPPs and small and medium reactors (SMRs) | USA Dennis DeMoss, S&L | L.3.3 | Overview of the NRC and its regulatory and licensing processes, incl const. & commissioning phases | USA C. Stoiber | L.11.2 | Workforce planning and HR development to support Introduction to an NP programme | USA Charles Goodnight | Visit outdoors, photos, etc. |
| 13:15 | BREAK (30 MIN) | | | L.4.3 | State Systems for Accounting and Control of Nuclear Material (SSACs) | USA C. Roche | L.4.1B | SSG-16: A roadmap for implementation of the IAEA Safety Standards | IAEA D. Graves | | | | Tour of the Visitors' Center and the Exhibits |
| 13:30 | | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | | | | BREAK (30 MIN) |
| 14:00 | L.2.1 | Introduction to the technology of nuclear reactors | USA L.W. Deitrich | | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | BREAK (30 MIN) |
| 14:15 | BREAK (30 MIN) | | | LW.15.1 | Introduction Exercise on building NEPIO, RB and OO | IAEA V. Nkong-Njock | LW.15.1 | Exercise on building competencies for the NEPIO, RB, Siting and OO (Working Groups in parallel) | Faculty and Participants, Lead IAEA | L.11.1 | Workforce planning and HR development U.S. View | USA Charles Goodnight | |
| 14:30 | | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | BREAK (30 MIN) |
| 15:00 | BREAK (30 MIN) | | | | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | BREAK (30 MIN) |
| 15:15 | | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | BREAK (30 MIN) |
| 15:30 | BREAK (30 MIN) | | | | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | BREAK (30 MIN) |
| 16:00 | | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | BREAK (30 MIN) |
| 16:30 | BREAK (30 MIN) | | | | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | BREAK (30 MIN) |
| 17:00 | | | | FINAL CLOSING | | | FINAL CLOSING | | | FINAL CLOSING | | | FINAL CLOSING |

IAEA/ANL Training Course on Leadership and Management of NPP Programmes, 11 August - 22 August, 2014

Tentative Calendar and Activities -- Week 2 Rev. 6 (as of 30 July, 2014) EG -jb

| Time | Monday | | | Tuesday | | | Wednesday | | | Thursday | | | Friday | | | | | | | |
|-------|-----------------------------|--|-----------------------------|-----------------------------|---|----------------|-----------------------------|---|-----------------|-----------------------------|--|--------------------------|--|---|--------------|--------------------------------|---|-----------------|-----------------------|--------------------------|
| | 18 August 2014 | | | 19 August 2014 | | | 20 August 2014 | | | 21 August 2014 | | | 22 August 2014 | | | | | | | |
| | Lecture # | Lecture Topic | Lecturer | Lecture # | Lecture Topic | Lecturer | Lecture # | Lecture Topic | Lecturer | Lecture # | Lecture Topic | Lecturer | Lecture # | Lecture Topic | Lecturer | | | | | |
| 8:00 | L.0.3 | Introduction second week | J.K. Lee/J. Braun/J. Majola | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | ---- | | | | | |
| 8:30 | L.13.1 Pt. 1 | Management Leadership and Safety Culture | IAEA J. Majola | L.4.2 | Decommissioning Issues and Challenges | USA L. Boing | L.10.1 | Financing an NPP: approaches, risks and lessons learned | USA Paul Murphy | L.0.3 | IAEA's NP infrastrucrue assistance | IAEA J-K Lee | L.0.9 Part 1 | Part 1: Effective Nuclear Operations Oversight and Safety Culture | USA J. Grobe | | | | | |
| 9:00 | | | | | | | | | | | | | | | | | | | | |
| 9:30 | BREAK (30 MIN) | | | L.8.2 | Radioactive waste management (RWM) principles and US experience | USA Mark Nutt | BREAK (30 MIN) | | | L.0.9 | Actual Status and Future Plans of NP Development | Kayserilli, Merve Turkey | L.0.9 Part 2 | Part 2: Effective Nuclear Operations Oversight and Safety Culture | USA J. Grobe | | | | | |
| 10:00 | L.13.1 | Management Systems: IAEA Req'ts, Guidance and Benefits | IAEA J. Majola | | | | BREAK (30 MIN) | | | | | | | | | L.10.2 | NP project procurement management and contracting: processes, bid solicitation and evaluation | USA Paul Murphy | BREAK (30 MIN) | |
| 10:30 | BREAK (30 MIN) | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | BREAK (30 MIN) | | | | | | | | | | |
| 11:00 | L.9.1 | The role of the owner's engineer in project development and management | USA F. Berry | L.6.2 | Models, Methods and Approaches for feasibility and project management | USA G. Young | L.5.5 | Environmental Impact Assessment | USA Halil Avci | D.0.6 | Final Discussion, Participants' Feedback | ANL, IAEA | | | | | | | | |
| 11:30 | | | | | | | | | | | | | | | | | | | | |
| 12:00 | LUNCH BREAK (1 HOUR) | | | LUNCH BREAK (1 HOUR) | | | LUNCH BREAK (1 HOUR) | | | LUNCH BREAK (1 HOUR) | | | L.0.7 | Closing Ceremony and Award of Certificates | ANL, IAEA | | | | | |
| 12:30 | | | | | | | | | | | | | | | | | | | | |
| 13:00 | L.7.1 | Technology Assessment and Selection | C.M. Launi S&L | L.6.3 | Latest construction technologies and management for NPPs | USA G. Young | L.7.4 | U.S. Criteria for NPP Selection | USA G. Young | L/W.15.3 & 4 | Public-Meeting role playing Exercise | Faculty and Participants | | | | | | | | |
| 13:30 | | | | | | | | | | | | | | | | | | | | |
| 14:00 | L.7.2 | Site Selection: Reqmnts, Impacts, Restraints | T. Kraus S&L | L.13.2 | Management Systems implementation (example RB / O-O) | IAEA J. Majola | L.0.9 | Management Principles and Practices | M. Baron S&L | | | | | | | | | | | |
| 14:30 | | | | | | | | | | | | | | | | | | | | |
| 15:00 | BREAK (15 MIN) | | | BREAK (15 MIN) | | | BREAK (15 MIN) | | | BREAK (15 MIN) | | | | | | | | | | |
| 15:15 | L.13.1 Pt. 2 | Management Principles and Practices for Large & Complex Projects/ Discussion | IAEA J. Majola | Resume | Resume: Management Systems Implementation | IAEA J. Majola | L.12.1 | Stakeholder involvement in US | USA M. Quinn | Resume | Resume: Public-Meeting role playing Exercise | Faculty and Participants | | | | | | | | |
| 15:30 | | | | L.13.2 | | | | | | | | | | | | | | | | |
| 15:45 | | | | L/W.15.2 | | | | | | | | | Discussion Exercise on building NEPIO, RB and OO | IAEA J. Majola | L.12.2 | Communications with the public | USA M. Quinn | L/W.15.3 & 4 | Exercise WG Reports | Participants and Faculty |
| 16:00 | | | | | | | | | | | | | | | | | | | | |
| 16:15 | | | | | | | | | | | | | | | | | | | | |
| 16:30 | | | | | | | | | | | | | | | | | | | | |
| 17:00 | FINAL CLOSING | | | FINAL CLOSING | | | FINAL CLOSING | | | FINAL CLOSING | | | | | | | | | | |