International Atomic Energy Agency Technical Meeting "Achieving zero fuel failure rates: challenges and perspectives" 01- 02 October 2015, Golden Sands Resort, Bulgaria

Hosted by the Institute for Nuclear Research and Nuclear Energy – BAS,

AGENDA

30 September (Wednesday): Participants arrival and registration, excursions on request

01 October, Hotel Bolero, Second conference hall

<u>09:00–10:45</u> Morning session

Session O Opening session

Opening and greetings: Kostov L. (NRA, Sofia), Basak U. (IAEA), Tonev D. (INRNE-BAS)

1. **Basak U.** IAEA ACTIVITIES IN THE AREA OF NUCLEAR POWER-OBJECTIVES OF THE MEETING , *Basak U.* (IAEA, Austria)

10:45–11:00 Coffee break

Session 1

Chairman: Ganguly, C

<u>11:00–12:30</u> Morning session (cont.)

- 1. **Ugruimov A.** THE ZERO FAILURE LEVEL PROJECT: ORGANIZATION, STATUS, TASKS, JSC TVEL., Russian Federation
- 2. **J. Deshon, K. Whiteside**, ESTABLISHING AND SUSTAINING A TECHNICAL PROGRAM TO ACHIEVE ZERO FUEL FAILURES, EPRI, INPO, USA.
- 3. **V. Novikov** CHALLENGES OF NUCLEAR FUEL DEVELOPMENT FOR EFFICIENCY OF ELECTRICITY PRODUCTION OF RUSSIAN NPPs., JSC «VNIINM», Russian Federation

12:30-14:00 Lunch

14:00-15:30 Session 2

Chairman: Basak U.,

- Ganguly, C PERFORMANCE OF WATER COOLED NUCLEAR POWER REACTOR FUELS – DEFECTS AND FAILURES AND THEIR MITIGATION, INSA Senior Scientist, Hyderabad, India
- 2. **Lutz Adam** REGULATORY EXPERIENCE WITH FUEL FAILURES IN SWITZERLAND, Switzerland
- 3. **V.Mecir** AMBITION TO REACH ZERO LEVEL FAILURE IN VVER 1000 WITH RUSSIAN FUEL, Czech republic

15:30–15:45 Coffee break

<u>15:45–17:15</u> Session 3

Chairman: Lutz Adam

- 1. Olga Gorodnicha FUEL FAILURES AT NPPS OF UKRAINE, Ukraine
- 2. **Yong Hwan KIM**, PWR FUEL FAILURE TREND AND FMEA IN KOREA, ROK.Korea
- 3. **Yun Li**, FUEL OPERATING EXPERIENCE FOR NEWLY BUILT NPPS IN CHINA, P.R. China

18:30–23:30 Bus trip for folklore dinner and wine testing

02 October (Friday), hotel Bolero, second conference hall

09:00-10:30 Session 4

Chairman: Novikov, V.

- 1. **A.Bussolini** FUEL ENGINEERING APPROACH FOR ZERO FUEL FAILURE IN ARGENTINE PHWR'S, Argentina
- 2. **T. Muradyan** ACHIEVING ZERO FUEL FAILURE RATES AT ARMENIAN NPP, Armenia
- 3. **Maria-Cristina Stoica**,OPERATING PERFORMANCE AND ACTIONS TAKEN TO ACHIEVE ZERO FUEL DEFECTS AT CERNAVODA NPP, Romania

10:30-10:50 Coffee break

<u>10:50 –12:00</u> Session 5

Chairman: Basak U

- 1. **V. Shivakumar**, DESIGN OF FUEL WITH OPTIMISED ZIRCALOY CLAD AND HAVING INNER LINER FOR HIGH BURNUP APPLICATIONS, , India
- 2. **Nadeem Elahi -** SEMI-EMPIRICAL CORROSION MODEL FOR ZIRCALOY-4 CLADDING, Pakistan

Conference overall discussion and conclusions

12:00-13:30 Lunch

14:00–15:10 Afternoon session

Closing Session:

Conference closure: Basak U.

Excursions on request