

International Conference
**“Multilateral Technical and Organizational Approaches to the Nuclear Fuel Cycle
Aimed at Strengthening the Non-Proliferation Regime”**
Moscow, Russia, 13-15 July 2005

PROGRAMME

Tuesday, 12 July

17.00 - 19.00 Registration

Foyer of the “Mezhdunarodnaya” hotel (WTC complex)

Wednesday, 13 July

08.00 - 09.30 Registration

**09.30 - 10.30 Session 0: Plenary session
Chairperson: E. Antipenko, Russia**

E.E. Antipenko, Russia
Introductions

A.Yu. Rumyantsev, Russia
Opening address

Yu.A. Sokolov, IAEA
Opening address

N.P. Laverov, Russia
Opening address

10.30 Press conference

A. Yu. Rumyantsev, Yu. A. Sokolov

10.30 – 11.00 Coffee Break

**11.00 – 13.00 Session 1: Background Session
Chairperson: I. Downing, United Kingdom**

I.M. Kamenskich, Russia
Multilateral Approaches to the Nuclear Fuel Cycle: Background, Possible Options

R. Tariq, IAEA
MNA Group - Results

P.P. Poluektov, Russia
Multilateral Approaches to the Nuclear Fuel Cycle: Non-Proliferation Safeguards and Atomic Energy Support Safeguards

Ph. Pradel, France
Future Energy Systems and their Fuel Cycle

G. Frank, Israel
Dealing with the Challenge of the Proliferation of Nuclear Fuel Cycle Technologies

13.00 – 14.30 Coffee Break / Lunch**14.30 – 16.00 Session 2: Multilateral Approaches to the Nuclear Fuel Cycle
Chairperson: Ph. Thiebaud, CEA, France**

E.G. Kudriavtsev, Russia
Technical Perspectives of Establishing International Center Management at the MCC Facilities

A. Collings, UK
Multilateral Approaches to the Nuclear Fuel Cycle: the Role of the World Nuclear Association

N. Chapman, Switzerland
The Role of Storage and Disposal in Multinational Approaches to the Fuel Cycle

M.I. Zavadskiy, Russia
Evaluating the Capabilities of Establishment International Regional Center for SNF Managing in Russia

D. N. McNelis, USA
Setting the Stage for International Spent Nuclear Fuel Storage Facilities

A.V. Bychkov, Russia
Flexible Conception of Spent Nuclear Fuel Management

16.00 – 16.30 Coffee Break**16.30 – 17.30 Session 2: Multilateral Approaches to the Nuclear Fuel Cycle
Chairperson: Ph. Thiebaud, CEA, France**

Yu.A. Revenko, Russia
Role of MCC in Managing Power Plants Spent Nuclear Fuel

A.R. Burkart, USA
Considerations for U.S. Approval to Transfer Spent Nuclear Fuel with U.S.- Origin Nuclear Material For Storage/Disposal

M.J. Smith, USA
The Growing Stocks of Spent Fuel and Plutonium from the World's Power Reactor Programs

V.V. Shatalov, Russia
New Approaches to Reprocessing Irradiated Nuclear Fuel by Fluoride Volatility Method

18.30 Reception**Thursday, 14 July****09.00 - 10.30 Session 2: Multilateral Approaches to the Nuclear Fuel Cycle
Chairperson: Ph. Thiebaud, CEA, France**

K.S. Cole, USA
NAC International's Experience in the Safe & Efficient Transportation of Spent Nuclear Fuel

V.V. Ignatiev, Russia
Salt Liquid Nuclear Reactor and Multilateral Approaches to the Nuclear Fuel Cycle

Short presentations (at most 8 minutes)

V.B. Glebov
 V.P. Smirnov
 P.N. Bad'in
 V.N. Prusakov
 G.E. Shatalov
 S.S. Gavrilin

Discussion

10.30 – 11.00 Coffee Break

**11.00 – 13.00 Session 3: Overarching issues - Strengthening of Non-proliferation Regime
 Chairperson: N. Ponomarev-Stepnoy, Russia**

A.I. Antonov, Russia
 Multilateral Approaches to the Nuclear Fuel Cycle as a Possible Mechanism of the Nuclear Non-Proliferation

A.E. Lebedev, Russia
 Repatriation of Research Reactor Spent Nuclear Fuel - Contribution of the Russian Federation to the Strengthening of the International Non-Proliferation Regime

P.I. Lavrenyuk, Russia
 Reducing Fuel Enrichment to 19,7% for the Fuel Delivered by JSC "TVEL" to Russian Research Reactors Abroad

R. Gottemoeller, USA – A. Sarkisov, Russia
 Strengthening Cooperation Between the United States and Russia on Nuclear Non-Proliferation

E.N. Avrorin, Russia
 Non-Proliferation in Atomic Energy

A.V. Lopatkin, Russia
 BREST Design Meets Non-Proliferation Requirements

13.00 – 14.30 Coffee Break / Lunch

**14.30 – 16.00 Session 3: Overarching issues - Strengthening of Non-proliferation Regime
 Chairperson: N. Ponomarev-Stepnoy, Russia**

Ch. Yulish, USA
 Fulfilling Swords Into Plowshares: The Megatons To Megawatts (M2M) Program and Potential Nuclear Isaiah Projects

C. Anne, USA
 Key Success Factors and Lessons from the U.S. Foreign Research Reactor (FRR) Return Program

V.I. Kalinkin, Russia
 Long-term SNF Storage and Non-proliferation Regime

A.N. Shmelev, Russia
 Enhanced Protection of Thorium-Uranium-Plutonium Fuel Cycle Against Proliferation of Fissile Materials

Yu.P. Sukharev, Russia
 Prospects of GT-MHR Technologies for Disposition of WGPU in Connection with Non-Proliferation

16.00 – 16.30 Coffee Break

**16.30 – 17.30 Session 3: Overarching issues - Strengthening of Non-proliferation Regime
Chairperson: N. Ponomarev-Stepnoy, Russia**

V.P. Berchik, Russia
Complex Approach to Accounting and Control of Nuclear Fuel Cycle Materials

A.N. Chebeskov, Russia
Nuclear Fuel Cycle, Future Fast Reactors and Non-Proliferation

Short presentations (at most 8 minutes)

V. Kuznetsov
A.N. Shmelev
V.V. Korobeinikov
V.A. Nevinitza

Discussion

Friday, 15 July

**09.00 - 11.00 Session 4: Multilateral Nuclear Approaches – the Future
Chairperson: A. Lebedev, Russia**

P. Bernard, France
French Industry Experience with Recycling and Perspectives

L.A. Bolshov, Russia
Ecological Aspects of the Field of Nuclear Fuel Cycle

V. Kagramanyan, IAEA
Long-Term Solutions, Near-Term Opportunities for Meeting Growing Demand and Reducing Proliferation Risks through Building Multilateral Approaches

A.Yu. Gagarinski, Russia
Global Nuclear Energy Vision in View of Multilateral Approaches to the Nuclear Fuel Cycle

V.P. Solovyev, Russia
Solving Energy Problems in Developing Countries and the Problem of Non-Proliferation using Low-Output Nuclear Power Plants (LO NPP)

Discussion

11.00 – 11.30 Coffee Break

**11.30 – 12.30 Session 5: Plenary session
Chairperson: V. Kuchinov, Russia**

Yu. A. Sokolov, IAEA
Closing remarks

Discussion

E.E. Antipenko, Rosatom, Russia
Findings of the Conference
Closing remarks

Information for speakers

A working room will be provided to check presentations.

Presentations are requested to be submitted to the organizing committee during the first registration day (12.07.2005.) or morning the first day of the Conference (13.07.2005).

Every morning 30 minutes prior to the beginning of the working day the speakers will meet in the room of the organizing committee to submit presentations and provide brief background information to be introduced to the Chairs of relevant sections.

Information for participants

During lunch breaks 13.07.05 and 14.07.05 sandwiches will be offered to the participants (free of charge).

Besides, there are restaurants and cafeterias at the International Trade Center (at one's own expense).