

**Technical Meeting on Back
End of the Fuel Cycle
Considerations for Small
Modular Reactors**

Report of Contributions

Contribution ID: 2

Type: **not specified**

SAFETY IMPLICATIONS ON THE BACK END OF THE FUEL CYCLE FOR SMRS

Country

Armenia

Organization

Nuclear and Radiation Safety Center

Primary author: BZNUNI, Surik (Leading Specialist, Nuclear and Radiation Safety Center)

Presenter: BZNUNI, Surik (Leading Specialist, Nuclear and Radiation Safety Center)

Track Classification: Technical Meeting

Contribution ID: 3

Type: **not specified**

The potential impacts of SMRs on multinational cooperation at the back-end of the fuel cycle

Country

Schweiz

Organization

McCombie Consulting

Primary author: MCCOMBIE, Charles (Arius Association)

Co-authors: CHAPMAN, Neil (Chapman & Co Consulting); Dr KINGHORN-MILLS, Jake (MCM Environmental)

Presenter: MCCOMBIE, Charles (Arius Association)

Track Classification: Technical Meeting

Contribution ID: 4

Type: **not specified**

Application of a graded approach to the concept of fuel recycling

Country

Canada

Organization

Moltex Energy

Primary author: Dr GREGOIRE, Olivier (Moltex Energy)

Presenter: Dr GREGOIRE, Olivier (Moltex Energy)

Track Classification: Technical Meeting

Contribution ID: 5

Type: **not specified**

Challenges of Small Modular Reactor Used Fuel Management in Canada

Country

Canada

Organization

Canadian Nuclear Laboratories

Primary author: Dr XU, Sikun George (Canadian Nuclear Laboratories)

Co-author: Dr BROMLEY, Blair P. (Canadian Nuclear Laboratories)

Presenters: Dr XU, Sikun George (Canadian Nuclear Laboratories); Dr BROMLEY, Blair P. (Canadian Nuclear Laboratories)

Track Classification: Technical Meeting

Contribution ID: 6

Type: **not specified**

Direct Recycling of SMR Spent Fuel for Uranium Utilization Improvement and Reduction of High Level Nuclear Waste

Country

Egypt

Organization

Egyptian Atomic Energy Authority

Primary author: MOHAMED, Nader (Atomic Energy Authority, ETRR-2, Cairo, Egypt)

Presenter: MOHAMED, Nader (Atomic Energy Authority, ETRR-2, Cairo, Egypt)

Track Classification: Technical Meeting

Contribution ID: 7

Type: **not specified**

Recent Investigations Into Technical Issues of the Back End of the Fuel Cycle of Advanced Reactor Fuels and Accident Tolerant Fuels

Country

United States

Organization

Sandia National Laboratories

Primary author: Mr PULIDO, Ramon (Sandia National Laboratoreis)

Co-authors: Mr MATTEO, Edward (Sandia National Laboratories); PRICE, Laura (Sandia National Laboratories); Mr SASANI, David (Sandia National Laboratories); Mr SANBORN, Scott (Sandia National Laboratories)

Presenters: Mr PULIDO, Ramon (Sandia National Laboratoreis); PRICE, Laura (Sandia National Laboratories); Mr SANBORN, Scott (Sandia National Laboratories)

Track Classification: Technical Meeting

Contribution ID: 8

Type: **not specified**

Overview of the UK's Transport Requirements for SMR Back-End Fuel Cycles

Country

United Kingdom

Organization

Nuclear Transport Solutions

Primary authors: Mrs DAVIS, Charlotte (Nuclear Transport Solutions); BURNETT, George

Presenter: BURNETT, George

Track Classification: Technical Meeting

Contribution ID: 9

Type: **not specified**

THE PROCESS OF DECARBONIZATION OF THE DOMESTIC POWER INDUSTRY IN POLAND USING SMR REACTORS - Issues related to spent fuel as one of the parameters determining the choice of technology

Country

Poland

Organization

Institute of Nuclear Chemistry and Technology

Primary authors: MIŚKIEWICZ, Agnieszka; CHMIELEWSKI, Andrzej (Institute of Nuclear Chemistry and Technology); CHMIELEWSKA-ŚMIETANKO, Dagmara (Institute of Nuclear Chemistry and Technology); ZAKRZEWSKA-KOLTUNIEWICZ, Grażyna (Institute of Nuclear Chemistry and Technology); SMOLINSKI, Tomasz (Institute of Nuclear Chemistry and Technology)

Presenter: MIŚKIEWICZ, Agnieszka

Track Classification: Technical Meeting

Contribution ID: 11

Type: **not specified**

TRISO FUEL MANAGEMENT DEPENDING ON THE CHOICE OF THE FUEL CYCLE - RESEARCH CURRENTLY CONDUCTED AT INCT IN POLAND

Country

Poland

Organization

Institute of Nuclear Chemistry and Technology

Primary authors: MIŚKIEWICZ, Agnieszka; Dr KIEGIEL, Katarzyna (Institute of Nuclear Chemistry and Technology); ZAKRZEWSKA-KOLTUNIEWICZ, Grażyna (Institute of Nuclear Chemistry and Technology); HERDZIK-KONIECKO, Irena (Institute of Nuclear Chemistry and Technology); FUKS, Leon (Institute of Nuclear Chemistry and Technology)

Presenter: Dr KIEGIEL, Katarzyna (Institute of Nuclear Chemistry and Technology)

Track Classification: Technical Meeting

Contribution ID: 13

Type: **not specified**

FUEL CYCLE SCENARIOS AND BACK-END TECHNOLOGIES OF HTGR IN JAPAN

Country

Japan

Organization

Japan Atomic Energy Agency

Primary authors: Dr GOTO, Minoru (Japan Atomic Energy Agency); FUKAYA, Yuji (Japan Atomic Energy Agency); Dr SHIBATA, Taiju (Japan Atomic Energy Agency)

Presenter: FUKAYA, Yuji (Japan Atomic Energy Agency)

Track Classification: Technical Meeting

Contribution ID: 14

Type: **not specified**

A COMPARISON STUDY ON THE BURNUP OF HTR-10 FUELS USING RADIOMETRIC AND MASS SPECTROMETRIC METHODS

Country

China

Organization

Institute of Nuclear and New Energy Technology, Tsinghua University

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Track Classification: Technical Meeting

Contribution ID: 15

Type: **not specified**

OPPORTUNITIES TO OPTIMIZE SMALL MODULAR REACTOR (SMR) USED NUCLEAR FUEL MANAGEMENT IN THE UNITED STATES

Country

United States

Organization

Nuclear Energy Institute

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Track Classification: Technical Meeting