

# 7TH ANNUAL FUEL CYCLE INFORMATION EXCHANGE



JUNE 12-13, 2012 | NRC AUDITORIUM

# FCIX 2012

**The Nuclear Fuel Cycle:  
Ensuring Safety and Security in a Dynamic Environment**

Register online after April 2 at: <http://www.nrc.gov/public-involve/conference-symposia/fcix.html>

## Welcome to the FCIX 2012



It is my pleasure to welcome you to the seventh annual Fuel Cycle Information Exchange (FCIX). Since 2006, the U.S. Nuclear Regulatory Commission (NRC) has hosted the FCIX. The conference provides stakeholders from industry, Federal agencies, licensees, the general public, and NRC management and staff an opportunity to discuss issues involving civilian nuclear fuel cycle facilities in an open, public setting.

The theme for FCIX 2012 is “The Nuclear Fuel Cycle: Ensuring Safety and Security in a Dynamic Environment.” This theme reflects the changing landscape of activities for the NRC fuel cycle program and our licensees, applicants, and other stakeholders. For example, the events at Fukushima have spurred the agency to rethink how it evaluates natural phenomena and other emergency events. It naturally follows that the NRC is also

reevaluating how it ensures that licensed facilities are adequately prepared for emergencies. The NRC is in the process of completing the licensing reviews of new facilities and, over the next few years, will be putting more focus on construction oversight. At the same time, we are considering both significant and incremental enhancements to the fuel cycle oversight process. These are only a few of the activities which affect fuel cycle facilities. As the NRC works through all these changes, its budget is likely to remain flat or to decrease. As a result, the NRC and the industry need to discuss needs and schedules as early as possible. What will remain constant, however, is the NRC’s mission of protecting people and the environment.

In this dynamic environment, a key component to understanding the issues and challenges—and developing effective strategies to address them—is continuous and open communication with the NRC’s stakeholders. The FCIX has become an important venue for communicating emerging issues in the nuclear fuel cycle and your participation is vital to the success of this conference. The NRC thanks you for your support during the previous years and encourages you to take an active role in this year’s discussion. We look forward to seeing you.

Sincerely,

John D. Kinneman, Director

Division of Fuel Cycle Safety and Safeguards

Office of Nuclear Material Safety and Safeguards



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## Tuesday, June 12, 2012

<b>7:30am–4pm</b>	Conference Registration and Badging
<b>9:00am–9:10am</b>	Welcome and Introductions John Kinneman, NRC
<b>9:10am–9:40am</b>	Keynote Address Commission-Level Views, NRC Chairman Gregory Jaczko
<b>9:40am–10:00am</b>	Address NRC's Challenges, Outlook, and Priorities Through Fiscal Year 2014, Michael Weber, Deputy Executive Director for Operations, NRC
<b>10:00am–10:20am</b>	Break
<b>10:20am–Noon</b>	Panel: Executive Roundtable—Cross Cutting Issues Chair: John Kinneman, NRC <ul style="list-style-type: none"><li>• Challenges facing Fuel Cycle Safety And Safeguards (FCSS)—Scott Moore, NRC</li><li>• Outlook and priorities through fiscal year 2012—Leonard D. Wert, Jr., NRC Region II</li><li>• Safety culture—Joseph Henry, Nuclear Fuel Services, Inc.</li><li>• Cumulative effects of regulation—Alex Marion, NEI</li></ul>
<b>Noon–1:20pm</b>	Lunch
<b>1:20pm–1:40pm</b>	The Continuing Transformation of Honeywell Metropolis— Mark Wolf, Honeywell
<b>1:40pm–3:00pm</b>	Panel: Facility Operations Chair: Tony Gody, NRC Region II <ul style="list-style-type: none"><li>• Tangible benefits of an effective Corrective Action Program—Steve Penrod, USEC</li><li>• Benefits of an effective Integrated Safety Analysis—Kevin Walsh, Global Nuclear Fuel</li><li>• Oversight—John Kinneman, NRC</li></ul>
<b>3:00pm–3:20pm</b>	Break
<b>3:20pm–4:40pm</b>	Panel: Post Fukushima Insights and Initiatives Chair: Marvin Sykes, NRC Region II <ul style="list-style-type: none"><li>• Status of agency action regarding Fukushima—Robert Taylor, NRC</li><li>• Post Fukushima—Cary Alstadt, Westinghouse</li><li>• Observations from NRC inspections of fuel facilities—Tony Gody, NRC</li><li>• Contingency power planning— Dr. Arjun Makhijani, Institute for Energy and Environmental Research</li></ul>
<b>4:40pm–4:45pm</b>	Closing Remarks—John Kinneman, NRC

## Wednesday, June 13, 2012

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| <b>9:00am–9:05am</b>   | Welcome Back to the FCIX—Marissa Bailey, NRC   |
| <b>9:05am–10:15am</b>  | Panel: Licensing and Regulatory Issues<br>Chair: Robert Johnson, NRC <ul style="list-style-type: none"><li>• Generic regulatory issue resolution—Robert Link, AREVA</li><li>• Fuel cycle facility change processes and NRC prior approval —Kevin Morrissey, NRC</li><li>• A proposed risk management regulatory framework—Dennis Damon, NRC</li></ul>  |
| <b>10:15am–10:35am</b> | Break  |
| <b>10:35am–Noon</b>    | Panel: Guidance and Rulemaking<br>Chair: Patricia Silva, NRC <ul style="list-style-type: none"><li>• Status of guidance on soluble uranium intake values—Yawar Faraz, NRC</li><li>• Draft Regulatory Guide 4014, “Decommissioning Planning During Operations”—James Shepherd, NRC</li><li>• Status on the rulemaking to incorporate ISA requirements into Title 10 of the Code of Federal Regulations (10 CFR) Part 40, “Domestic Licensing of Source Material”—Matthew Bartlett, NRC</li><li>• Status Update on rulemaking and guidance activities for 10 CFR Part 21, “Reporting of Defects and Noncompliance”—Sabrina Attack, NRC</li></ul> |
| <b>Noon–1:20pm</b>     | Lunch  |
| <b>1:20pm–1:50pm</b>   | Southeast New Mexico Nuclear Corridor: Now and Future—John Heaton, City of Carlsbad, NM  |
| <b>1:50pm–3:00pm</b>   | Panel: Material Control and Accounting and Safeguards<br>Chair: Tom Hiltz <ul style="list-style-type: none"><li>• Material Control and Accountability—Gerard Couture, Westinghouse</li><li>• New IAEA publication on material accounting and control for nuclear security —Martha Williams, Tetra Tech HEI</li><li>• The 123s of internal safeguards—Thomas Grice, NRC</li></ul>   |
| <b>3:00pm–3:20pm</b>   | Break  |
| <b>3:20pm–4:45pm</b>   | Panel: Security<br>Chair: Brian Smith, NRC <ul style="list-style-type: none"><li>• Chemical security—Larry Harris and Rebecca Richardson, NRC</li><li>• Cybersecurity at fuel cycle facilities—Brian Smith, NRC</li><li>• Special Nuclear Material recategorization efforts—Marshall Kohen, NRC</li><li>• Securing sensitive information—John Weidner, USEC</li></ul>  |
| <b>4:45pm–4:50pm</b>   | Closing Remarks—John Kinneman, NRC   |

## List of Speakers

**Cary Alstadt**, Vice President Fuel Operations, Westinghouse Electric Company, LLC

**Sabrina Atack**, Quality Assurance Engineer, Mixed Oxide and Uranium Deconversion Branch, Division of Fuel Cycle Safety and Safeguards, Office of Nuclear Material Safety and Safeguards (NMSS)/NRC

**Dr. Matthew Bartlett**, Project Manager, Conversion, Deconversion and Enrichment Branch, NMSS/NRC

**Gerard Couture**, Manager Licensing and Regulatory Programs, Westinghouse Electric Company, LLC

**Dennis Damon**, Senior Level Advisor for Risk Assessment, NMSS/NRC

**Yawar Faraz**, Senior Project Manager, Division of Spent Fuel Alternatives Strategies, NMSS/NRC

**Tony Gody**, Director, Division of Fuel Facility Inspection, Region II/NRC

**Thomas Grice**, International Safeguards Team Leader, Material Control and Accounting Branch, Division of Fuel Cycle Safety and Safeguards, NMSS/NRC

**Larry Harris**, Senior Materials Program Manager, Fuel Cycles and Transportation Security Branch, Office of Nuclear Security and Incident Response (NSIR)/NRC

**John Heaton**, Energy Development Coordinator, City of Carlsbad, NM

**Joseph Henry**, President, Nuclear Fuel Services, Inc.

**Gregory Jaczko**, Chairman, U.S. Nuclear Regulatory Commission

**John Kinneman**, Director, Division of Fuel Cycle Safety and Safeguards, NMSS/NRC

**Marshall Kohen**, Senior Program Manager, Fuel Cycles and Transportation Security Branch, NSIR/NRC

**Robert Link**, Manager of Environmental Health Safety and Licensing, AREVA

**Dr. Arjun Mackhijani**, President, Institute for Energy and Environmental Research

**Alexander Marion**, Vice President of Special Projects, Nuclear Energy Institute

**Scott Moore**, Deputy Director of the Office of Nuclear Material Safety and Safeguards, NMSS/NRC

**Kevin Morrissey**, Project Manager, Mixed Oxide and Uranium Enrichment Branch, Division of Fuel Cycle Safety and Safeguards, NMSS/NRC

**Steven Penrod**, Vice President, United States Enrichment Corporation, Inc.

**Rebecca Richardson**, General Scientist, Fuel Cycles and Transportation Security Branch, NSIR/NRC

**James Shepherd**, Project Engineer, Reactor Decommissioning Branch, Division of Waste Management and Environmental Protection, Office of Federal and State Materials and Environmental Management Programs/NRC

**Brian Smith**, Chief, Uranium Enrichment Branch, Division of Fuel Cycle Facilities and Safeguards, NMSS/NRC

**Robert Taylor**, Deputy Director of the Japan Lessons Learned Project Directorate, Office of Nuclear Reactor Regulation (NRR)/NRC

**Kevin Walsh**, Chief Executive Officer, Global Nuclear Fuel

**Michael Weber**, Deputy Executive Director for Materials, Waste, Research, State, Tribal and Compliance Programs, NRC

**John Weidner**, Corporate Security Director, United States Enrichment Corporation, Inc.

**Leonard Wert, Jr.**, Deputy Regional Administrator, Region II/NRC

**Martha Williams**, Consultant, Tetra Tech HEI, Inc.

**Mark Wolf**, Nuclear Compliance Director, Honeywell's Metropolis Works

## List of Panel Chairpersons

**Tony Gody**, Director, Division of Fuel Facility Inspection, Region II/NRC

**Tom Hiltz**, Chief, Technical Support Branch, Division of Fuel Cycle Safety and Safeguards, NMSS/NRC

**Robert Johnson**, Chief, Fuel Manufacturing Branch, Division of Fuel Cycle Safety and Safeguards, NMSS/NRC

**Scott Moore**, Deputy Director of the Office of Nuclear Material Safety and Safeguards, NMSS/NRC

**Patricia Silva**, Chief, Conversion, Deconversion and Enrichment Branch, NMSS/NRC

**Brian Smith**, Chief, Uranium Enrichment Branch, Division of Fuel Cycle Facilities and Safeguards, NMSS/NRC

**Marvin Sykes**, Chief, Fuel Facility Inspection Branch 3, Region II/NRC

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