



U.S. EXPERIENCE WITH RATING OF REACTOR, TRANSPORT & RADIATION SOURCE EVENTS

**PRESENTATION TO THE INES NATIONAL OFFICERS
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U.S. Experience - INES

- NRC responsible for licensing, inspection & oversight of:
 - Nuclear Power Plants
 - Gaseous Diffusion Plants
 - Fuel Cycle Facilities
 - ~3750 Materials licensees in 15 States
 - Began limited participation in INES in 1993
 - In 2001, NRC increased INES participation to reporting of all Level 2 events and above
- 35 Agreement States
 - Responsible for licensing, inspection & oversight of ~18,250 Materials licensees
 - Began participating in INES in 2002

U.S. Experience – INES 2008

- 156 Users in U.S. representing:
 - Federal agencies
 - State Agencies
 - Licensees
 - Public
 - Media

U.S. Experience – INES

- NRC and 35 Agreement States have requirements for:
 - Immediate & 24-hour notification to Regulatory Authority &
 - 30-day written reports
- NRC commits to reporting within 48 hours
- All report to NRC are publicly available
- INES ERF drafted by
 - NRC HQ staff for reactor and NRC licensees
 - Agreement State staff, then transmitted to NRC Program Office within 24 hrs
 - INES National Officer (NRC HQ) issues final approval

U.S. Experience – INES 2004-08

Year	Power Reactor Events	Research Reactor Events	Fuel Cycle Events	Materials Events	TOTAL
2004	0	0	0	6	6
2005	2	0	0	9	11
2006	0	1	1	8	10
2007	0	0	0	3	3
2008	0	0	0	1	1

U.S. Experience – INES 2004-08

Summary of Materials Events (26)

Year	Radiography	Radiation Sources	Irradiators
2004	2	3	1
2005	8	1	0
2006	6	2	0
2007	2	1	0
2008 (until June 1)	1	0	0

U.S. Experience – INES

Jan 2004 – June 2008

Distribution on INES Scale

LEVEL	Number of Events
0	1
1	4
2	25
3	1

Thank you!

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