International Travel Pre-Trip Notification

This is due 30 days before trip start date. Please complete the light shaded areas.

TRAVEL INFORMATION

• **Traveler Name(s):** (include Office/Division)	**John Kinneman, NMSS/FCSS** **Kevin Mattern, NMSS/FCSS** **Tae Ahn, NMSS/HLWRS** **Felix Gonzalez, RES/DRA** **Michelle Gonzalez, RES/DRA**	• **Phone #(s):**	**301-492-3132** **301-492-3221** **301-492-3150** **301-251-7596** **301-251-7591**
• **E-mail Address(es):**	**john.kinneman@nrc.gov** **kevin.mattern@nrc.gov** **tae.ahn@nrc.gov** **felix.gonzalez@nrc.gov** **michelle.gonzalez@nrc.gov**	• **Location(s):**	**EBB/E2C56** **EBB/E2B29** **EBB/E2C32** **CSB/4C11** **CSB/4C05**
• **Multiple Travelers:**	☐ **Less than 4** ☒ **4 or more** (see below)		
If 4+, Coordinating Office:	**Office of Nuclear Material Safety and Safeguards (NMSS)**		

If 4+, Office Director Approvals:	(1)	**NMSS Director (or delegate)**	Date:	**08/09/11**
(Office Director approves travelers	(2)	**RES Director (or delegate)**	Date:	**05/23/11**
from his/her office only)	(3)	**CHOOSE ONE OF THE FOLLOWING**	Date:	
	(4)	**CHOOSE ONE OF THE FOLLOWING**	Date:	

ADAMS Accession Number: [Per OEDO Procedure 0350, if 4+, submit NRC daily note with ML# of pre-trip notification 30 days before trip start date]	ML11227A058
• **Travel Dates** [mm/dd/yyyy]:	**September 26-30, 2011**
• **Destination(s)** [City, Country]:	**Toronto, Canada**

• **Framework:**	☐ **Export and Import Licensing** ☐ **Treaties Conventions and Interagency** ☐ **Bilateral Cooperation** ☐ **Multilateral Cooperation**	☐ **Assistance** ☐ **International Cooperative Research** ☒ **International Fuel Cycle Safety**

• **International Organization:**	☒ **NEA/CSNI**	☐ **NEA/CNRA**	☐ **NEA/RWMC**	☐ **NEA/MDEP**
	☐ **NEA/CRPPH**	☐ **IAEA/NS(TRANSSC)**	☐ **IAEA/NS(WASSC)**	
	☐ **IAEA/(NUSSC)**	☐ **IAEA/NS(RASSC)**	☐ **IAEA/Safeguards**	
	☐ **IAEA/NS**	☐ **IAEA/NE**	☐ **IAEA/Technical Cooperation**	
	☐ **Other:** _____			

• **Purpose of Travel:**	**The purpose of this travel is to attend an Organization for Economic Cooperation and Development (OECD) Nuclear Energy Agency (NEA) Committee on Safety of Nuclear Installations (CSNI) led workshop sponsored by the Canadian Nuclear Safety Commission (CNSC) on safety assessment of fuel cycle facilities (FCFs). The workshop focuses on both regulatory approaches and industry perspectives. The goal is to review the various approaches of national regulators and their technical support organizations in the safety assessment of fuel cycle facilities in various NEA member countries in order to better understand initial safety assessment of new facilities and reassessment of existing facilities via periodic safety reviews. Industry trends will be examined in order to improve safety assessment techniques in the future. The experience gained from examining various methodologies, originally developed for reactors, will be discussed, along with the future opportunities and limitations of these risk informed approaches to nuclear safety for both front and back end FCFs**

• **Desired Outcome:**	NRC management and staff are seeking to vigorously support this international conference in order to ensure that our participation in the Working Group on Fuel Cycle Safety (WGFCS) activities remains an asset to the agency by continuing to maintain a strong collaborative relationship with our peers within NEA and in NEA member countries. This trip would enable the agency to maximize these objectives while optimizing the cost benefit ratio, in large part, because the travel is within North America, travel time is not onerous, and the cost should not be prohibitive. While there are surely internal and external sensitivities and perceptions to consider, as with any international travel, it is noted that, practically speaking, Toronto is closer to Rockville than Atlanta is to Chicago. Furthermore, the NRC has been asked by the WGFCS to assume a leadership role in soliciting papers and is attempting to do so to the extent practical within the confines of a constrained budget. The active role the agency has assumed in shepherding participation has resulted in the acceptance of numerous papers by the Committee, to the extent that the NRC and US industry will be presenting about 20% of the papers. The NRC staff has authored and plans to present five different papers that cover the gamut of the workshop's technical areas or themes. Another important consideration and benefit of this workshop will be the opportunity to develop and expose many of our staff, at various levels and grades within the agency, to the importance of international activities and involvement. This workshop presents a unique learning opportunity for staff to tour one of only two uranium conversion facilities in North America providing valuable professional experience for our staff and management. The NRC management and staff understand that attending an international conference is a unique privilege and will ensure that funds are utilized in a manner consistent with agency guidance, OPM policy, and various additional economization and cost minimization practices. Finally, of note is that each traveler has a clearly defined role and in many cases is serving multiple roles to limit the number of travelers and still accomplish the desired agency outcome.
• **Traveler Role(s):**	**John Kinneman, NMSS/FCSS: John is the likely candidate to replace Dan as the CNSI representative. It is important that John meet our international counterparts face to face and for the international community to meet him prior to assumption of his roles as the NRC CNSI representative. John's prior experience is principally in materials and this international experience in FCFs will provide augmented knowledge and perspectives to round out his diverse nuclear experience and aid in his current management role.** **Kevin Mattern, NMSS/FCSS: Kevin has been the NRC staff coordinator and facilitator for this workshop. Kevin has been interacting with the Committee, as well as the industry, regarding logistics, abstracts, papers, and presentations since March 2011. Kevin is also a coauthor of an accepted ISA/PRA comparison paper, authored by Dennis Damon, and will serve as the NRC presenter of this paper in lieu of Dennis. Kevin will also be presenting Kevin Ramsey's accepted paper. Kevin is also the backup project manager for the Honeywell conversion facility and the conference associated tour of the Cameco conversion facility will aid in his job specific education and training related to his formal qualification program, and increase his work performance in the licensing area.** **Tae Ahn, NMSS/HLWRS: Tae is an author of an accepted paper and is thus the most suitable presenter at the conference. Tae's paper focuses on regulatory safety assessment associated with extended storage of spent nuclear fuel. Tae will represent**

	HLWRS staff to exchange information with the international regulatory counterparts on their regulatory programs for extended storage and reprocessing of spent nuclear fuel. Tae's participation in the workshop will assist in formulating the technical resolution to the Waste Confidence (WC)/Environmental Impact Statement (EIS) for Extended Storage and Transportation (EST) of Spent Nuclear Fuel and for reprocessing rulemaking activities. He is the only traveler that has experience on the back end of the fuel cycle and he is a senior materials engineer who is the most experienced technical expert amongst the travelers. His skills and abilities will be hard to replicate or replace amongst the group of travelers and his presence is highly desired. **Felix Gonzalez, RES/DRA: Felix serves as the lead NRC technical representative for probabilistic risk assessment research activities for fuel cycle facility safety and the use of PRA during licensing and oversight processes. His presence is requested to support the NRC views and results for fuel cycle facility safety PRA research that are shared with international partners. He is also the coauthor of a paper that has been accepted by the Committee. Felix will also be present to ensure that NRC staff maintains an awareness of ongoing international developments in the PRA field; and to ensure that areas for future bilateral or multi-lateral PRA research are identified.** **Michelle Gonzalez, RES/DRA: Michelle is the author of an accepted paper on PRA and plans to make a presentation and lead a discussion on the RES paper "Use of Probabilistic Risk Assessment in Fuel Cycle Facilities". Michelle's attendance will increase her knowledge on the different approaches on international regulators in the safety assessment of Fuel Cycle Facilities and share information on the current NRC/RES Fuel Cycle Facilities support activities.**
• Is this funded by NRC or externally? If any portion of the travel is externally funded, include the organization and the portions of travel that are funded. [E.g. flight/travel/expenses, etc]	☒ NRC ☐ Externally
• Per the guidance in OEDO Procedure 0350, if a presentation is to be given, the Office Director/RA (or delegate) decides if the presentation (via the ML#) should be submitted in a Daily Note or One Week Look Ahead.	
• Are policy issues or other items of Commission interest to be raised?	☐ Yes ☒ No
If yes, how will the Commission be informed?	