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ALL AGREEMENT STATES, MICHIGAN, NEW JERSEY, PENNSYLVANIA, VIRGINIA

**INFORMATION UPDATE OF DEPARTMENT OF ENERGY, NATIONAL NUCLEAR
SECURITY ADMINISTRATION'S GLOBAL THREAT REDUCTION INITIATIVE (GTRI)
(FSME-07-1 09)**

Purpose: To inform the Agreement States of the DOE/NNSA Global Threat Reduction Initiative (GTRI).

Discussion: One topic of discussion at the Organization of Agreement States (OAS) Annual Meeting this year was NNSA's GTRI, and more information was requested by the Agreement States. Enclosed is a one page summary on the GTRI to update the Agreement States on its status. A fact sheet on the GTRI can be found on the web at:
<http://www.nnsa.doe.gov/docs/factsheets/2007/NA-07-FS-03.pdf>

As more information on the GTRI is available, NRC will provide future updates to the Agreement States as necessary. Any questions regarding this letter and the information contained in the enclosure should be directed to the points of contact listed below.

POINT OF CONTACT:	John Jankovich	INTERNET:	JPJ2@nrc.gov
TELEPHONE:	(301) 415-7904	FAX:	(301) 415-3502
POINT OF CONTACT:	Chris Einberg	INTERNET:	CEE1@nrc.gov
TELEPHONE:	(301) 415-5422	FAX:	(301) 415-3502

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Janet R. Schlueter, Director
Division of Materials Safety
and State Agreements
Office of Federal and State Materials
and Environmental Management Programs

Enclosure:
Update on Global Threat Reduction
Initiative (GTRI) Domestic Radiological
Security Activities

**Update On Global Threat Reduction Initiative (GTRI)
Domestic Radiological Security Activities¹
November 9, 2007**

Off-Site Recovery Program (OSRP)

- GTRI recovers excess and unwanted radioactive sealed sources
- GTRI packages and transports excess sources to safe and secure storage
- To date, GTRI has recovered ~16,000 sources from hundreds of U.S. locations

Security Training

- GTRI conducts on-site training courses in a broad range of security subjects including; vulnerability assessment, application of protection and accounting technologies, human reliability and overall security program development
- GTRI will have a web-based set of training modules available in 2008

Security Assessments

- GTRI experts review existing security procedures and suggest voluntary modifications to enhance security (normally 1-2 days visit with immediate feedback)
- Suggestions focus on minimally invasive solutions that emphasize low tech, low cost adjustments to existing facility security systems
- Provides programmatic solutions that work with existing capability to maximize system sustainability and minimize operational cost
- GTRI will have a web-based self-assessment tool available in 2008

Device Security Upgrades

- GTRI is working with the Department of Homeland Security (DHS) and industry to design and install security retrofits on CsCl and Co irradiators
- GTRI is working with Nordion to design and install additional delay on the following devices in 2008²
 - Gamma Cell 1000 and 3000 (CsCl)
 - Gamma Cell 40 (CsCl)
 - Teletherapy Units (Co)

Site Security Upgrades

- GTRI has funded the installation of security upgrades at over 600 high-priority radiological sites overseas
- GTRI is working with the U.S. Department of Agriculture (USDA) to install security upgrades at 10 USDA sites in the United States
- GTRI site security upgrades include deterrence, access controls, intrusion detection, safes and hardening of rooms, communication, and remote monitoring of alarms to off-site responders (e.g. local law enforcement)
- GTRI works with sites who voluntarily wish to install additional security enhancements for high risk sources

¹ GTRI provides a team of security and material accountability experts from U.S. DOE national laboratories, facilities, and contractors, with broad experience in the protection and management of radiological and nuclear materials

² DHS is working the same devices delay upgrades for the JL Sheppard and CIS CsCl irradiators