National Transportation Stakeholders Forum
Safeguards Information (SGI)
Awareness Training

Roy A. Boyd, President
Secured Transportation Services, LLC
June 8-9, 2016
Why Generate SGI?

• For STS
  • Individual Shipments of SNF
    • Transports of more than 100 Grams of Irradiated Nuclear fuel
  • Transport of Strategic Special Nuclear Materials
  • Generation of Plans and Procedures
    • Transportation Plans
    • Security Plans
      • Response Force Capabilities
      • Response Times
      • Protective Strategies
    • Combinations / Locks
GENERATION

• Planned Shipment / Campaign
  • Physical Route Survey
    • LLEA Contacts
    • Data Compilation, Safe Havens, Routes
    • Communication Capabilities

• NRC Route Approvals
  • Approvals (valid 5/7 years)
  • Schedules
GENERATION (Continued)

• How
  • Stand Alone Laptop for Production
  • Laptop and Drive Stored in GSA Safe
  • Drive is FIPS 140-2 Compliant
  • Printed on Network Disconnected Printer
    • No Memory Retention
  • Access to GSA Safe is Controlled
DISTRIBUTION

• 10/7 Day Advance Notifications (Sent 14 Days)
  • NRC
  • Governor's Designee
  • DOE, FBI, CBP
  • Movement Control Center

• Sent Via FedEx (Electronic Tracking)
  • Receipt Confirmations

• Internal Distributions Controlled by Recipient
STORAGE

• Materials Stored in GSA Approved Safe
• Stand-Alone Production Laptop Stored in Safe
  • Not Networked
  • Stand Alone Printer
• Hand Carried Copies Enveloped, Under Constant Control
• Destroyed When Allowed (Retention Requirements)
DESTRUCTION

• Shipment Records Have 3 Year Retention Requirement
• Hard Copies Shredded
  • Specific Shredder (<1/4” in size, mixed Media), Micro Cross Cut
• Electronic Versions Wiped
  • US Dept. of Defense (DOD) 5220-22 M Standard
    • Erases and Over-writes 7x
COMPLIANCE / Misc Items

• “Need to Know” 10 CFR 73.2 Definitions
  • ”Want to Know” (Nice, Good, Inclusion)

• Information Compart mentalization
  • Entities are aware of their specific areas of responsibility only

• Inquiries
  • No Comment (STS)
  • Directed to Public Information Officer
DISPLAY AND TRAINING ONLY

Office of Nuclear Security & Nuclear Incident Response
Director, Division of Security Policy
11545 Rockville Pike
Rockville, MD 20852-2738

Attn: Director, Division of Security Policy, 301-287-3583

Subject: Notification of Spent Fuel Shipment

Secured Transportation Services (STS) is coordinating the notifications and security details for a domestic truck shipment of spent nuclear fuel departing the Canadian Nuclear Laboratories, LTD (NRL) in Chalk River, Ontario to the Savannah River Site (SRS) in Aiken, SC.

This will be a single Type B cask, highway route controlled quantity (HRCQ) shipment.

STS, acting as the transport agent, in accordance with the requirements of 10 CFR 73.72 hereby hereby advance notification of this shipment.

Specific information regarding the shipment is as follows:

Shipper: Canadian Nuclear Laboratories, LTD
286 Plant Road
Chalk River, Ontario, K0J 1J0
Mark Chapman- 613-584-8811, Ext. 42248

Carrier: Tri-State Motor Transit (TSMT)
2818 Roane State Highway
Harriman, TN 37748
Mark McDermott- 865-882-7077

Receiver: U.S. Department of Energy
Savannah River Site
Aiken, SC 29806
Michael Dunsmuir- 803-557-6107

Package: NAC-LWT, USA/0225/8(H)/F-96, Revision 85

Safeguards Information

The shipment schedule (attached) contains "Safeguards Information" subject to 10CFR 73.21 and 73.22 requirements. It is requested that the contents of this letter and attachments(s) be handled and dispersed only on a "need-to-know" basis, as unauthorized disclosure is subject to administrative and criminal sanctions. This information must be safeguarded for a minimum of ten (10) days after completion of the shipment. The shipment ID number will be __________.

The NRC Operations Center will be notified two days prior, two hours prior, and at completion of the shipment, and of any changes in schedule that occur by more than six (6) hours.

The description required by Department of Transportation (DOT) "Shipping Papers" in 49CFR172.202 and 203(d) is as follows:

RG: UN3328, Radioactive Material, Type B(U) Package, Fissile, 7, 29,030 Kg, NAC-LWT Cask #4, Radionuclides: Ca-137, Sr-90, Y-90, Ba-137M, Pm-147. Physical Form: Solid, Transport Form: Normal, Chemical Form: U Alloy
Highway Route Controlled Quantity Total Activity: 2,003.0 TBq (54,135.0 Ci), Labels: Radioactive Yellow III & Fissile
Transport Index: TBD, Criticality Safety Index: 100, Net Weight: 163.3 Kg, 16 NRU Rods

The shipment will move on NRC Approved Route __________ which expires on __________ Route __________ includes __________

If you have any questions, please contact me at 1-404-634-8225 or Mike Mosley at 1-678-232-9899.

Sincerely,

Blake Williams
Secured Transportation Services
5210 Palermo Court, Suite 107
Buford, GA 30518

Cc: Jeff Keatin- DOE-SR
Michael Dunsmuir- Savannah River Site
Mark McDermott- TSMT

Attachment: Shipment Schedule- "Safeguards Information"

DISPLAY AND TRAINING ONLY

"Safeguards Information"

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Secured Transportation Services, LLC
5210 Palermo Court, Suite 105
Buford, GA 30518
(770) 932-4196

SBM 19May2016

2016

Warning: Violation of Section 177
Of the Atomic Energy Act
"Safeguards Information"
Is subject to Civil and Criminal Penalties.

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Samples
Samples

![Diagram of Shipment Schedule]

**DISPLAY AND TRAINING ONLY**

**Shipment Schedule**

*NSC Approved Route*

<table>
<thead>
<tr>
<th>Depart Origin:</th>
<th>15</th>
<th>00 hours</th>
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<tbody>
<tr>
<td>Arrive POE</td>
<td>15</td>
<td>00</td>
</tr>
<tr>
<td>Depart POE</td>
<td>15</td>
<td>00</td>
</tr>
<tr>
<td>Arrive state line</td>
<td>15</td>
<td>30</td>
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<td>00</td>
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<tr>
<td>Arrive state line</td>
<td>15</td>
<td>00</td>
</tr>
<tr>
<td>Arrive Destination:</td>
<td>15</td>
<td>30 hours</td>
</tr>
</tbody>
</table>

All times Eastern Time Zone

**Excess Rendezvous Point:**

Train employees will provide LLEA escorts from departure for the entire shipment route. Escorts and State POC’s coordinate with Blake Williams at 404-934-8225.