RAS 10924

Transport Logistics International, Inc.

News Services Reference About TLI Useful Links

The New Name of Experience in Radioactive Materials Transportation

Transport Logistics International, Inc. (TLI) is dedicated to offering superior management services for domestic and international movements of radioactive cargoes. TLI offers integrated service to the front and back end sectors of the nuclear fuel cycle, ensuring safe, secure and economic transport.

TLI's comprehensive portfolio of expertise provides for strict adherence to international and domestic regulations, packaging requirements and import/export controls. In addition, the company offers consulting services associated with transportation feasibility studies and fuel cycle issues, export licensing activities, package validations and antidumping order compliance.

Russian Information
Japanese Information

Megatons to Megawatts Program
Turning nuclear weapons into fuel

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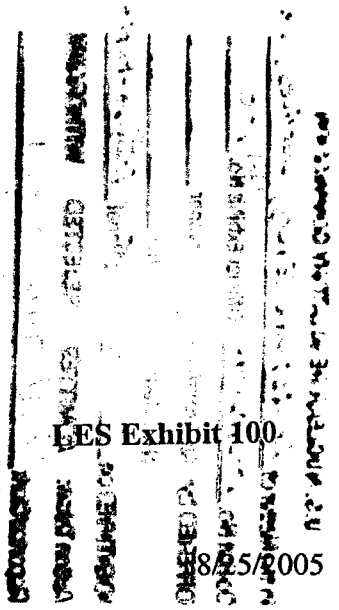

LES Exhibit 100

Template=SECY-028

SECY-02

U.S. NUCLEAR REGULATORY COMMISSION

In the Matter of Louisiana Energy Services, L.P.

Docket No. 70-3103-ML Official Exhibit No. LES 100

OFFERED by: (Applicant/Licensee) Intervenor _____

NRC Staff Other _____

IDENTIFIED on 10/26/05 Witness/Panel LES Transportation Cost

Action Taken: (ADMITTED) REJECTED WITHDRAWN

Reporter/Clerk Bethany Engel

DOCKETED
USNRC

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OFFICE OF THE SECRETARY
RULEMAKINGS AND
ADJUDICATIONS STAFF

Transport Logistics International, Inc.

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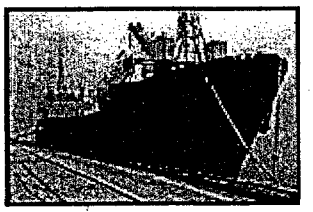
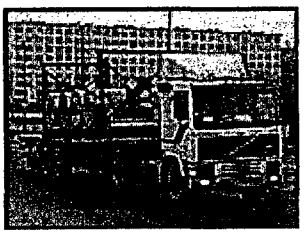
Services





TLI personnel are uniquely qualified to provide specialized transport management services for all forms of radioactive materials between North and South America, Europe, Asia, Africa and Australia. We are committed to providing prompt, accurate information to the clients and organizations with whom we cooperate on issues such as package certification, regulatory compliance and intermodal movements of both front- and back-end material for the nuclear power industry. TLI also provides professional support for packaging and transportation of isotopes and related products for both commercial and research purposes, as well as for spent fuel transportation for U.S. and foreign research reactors.

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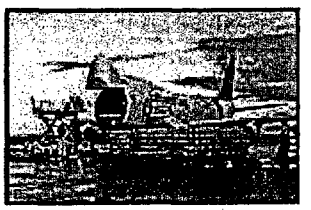
Front-End Management



The front end of the nuclear fuel cycle - from mining uranium to loading fuel into nuclear reactors - is a global enterprise that requires safe, secure, on-time and on-budget transportation from one stage to the next.

TLI handles radioactive cargoes including uranium ore concentrates, natural and enriched uranium hexafluoride, low and highly enriched uranium, uranium dioxide powder and pellets, fresh fuel rods ready for loading, and by-product materials including tritium, heavy water and a wide range of radioisotopes and related commodities.

TLI coordinates movement of radioactive material across international borders by all modes of transport - plane, ship, truck and train. In conjunction with its subsidiary company, TLI Shipping, LLC, TLI provides chartered vessels when project commitments and requirements demand special routing, procedures or timing.

As the critical link between shipper and receiver, the experienced TLI team

- Ensures accurate and thorough completion of shipping documentation
- Prepares route plans that minimize transport steps and movement of empty packages and containers, thereby reducing transit times and costs
- Provides approved packages and transport equipment, as well as related securement devices, to ensure safe shipment
- Ensures strict compliance with all relevant regulations and requirements
- Establishes and maintains a clear channel of communication for all involved parties, including shipper, receiver, regulators and carriers
- Implements quality assurance procedures designed to ensure regulatory compliance and customer satisfaction and to prevent unnecessary delays or developments
- Maintains well-developed physical protection and emergency response systems
- Arranges loss and damage, war-risk and nuclear liability insurance.

Managing Isotopes and Special Transports

Transport of medical, research or other radioactive isotopes often presents unique challenges. Whether the cargo is time-sensitive, oversized, requires temperature control or has any other special need, TLI staff can develop safe, reliable and cost-effective transportation solutions.

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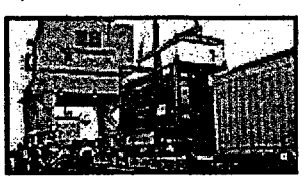
Back-End Management



TLI obtains regulatory approval for spent fuel packages and coordinates all aspects of spent fuel transport. Since the company's founding in 1999, TLI has successfully managed spent fuel shipments from locations worldwide, including

- Asia
- Europe
- North America
- The Pacific Rim

The TLI team

- Procures spent fuel packages and suitable baskets and assists in design and procurement of special equipment
- Coordinates security, including physical protection, escorts and emergency response programs
- Arranges for loss and damage, war risk and nuclear liability insurance
- Maintains clear communication channels and coordinates all transportation logistics between ocean and inland carriers, port authorities, customs services and federal and state regulatory authorities
- Handles all required documentation, including notifications and import and export licenses
- Arranges chartered or commercial carriers for air, sea, road and rail transport.

TLI serves the world's leading cask owners and facilities that need to transport spent fuel, irradiated research reactor materials and other back-end products from a wide range of countries. TLI's trained and experienced staff ensures that all shipments comply with the rigorous regulations of the International Atomic Energy Agency and of national and local governments.

For additional information regarding TLI's spent fuel transport services, please do not hesitate to contact Mr. Norman Ravenscroft.

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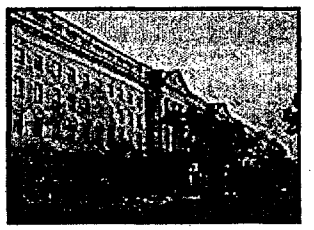
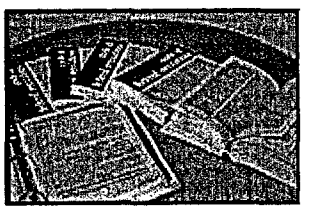
Research & Consulting





Successful international movements of radioactive material involve a range of regulatory approvals in addition to those associated with transportation and logistical issues. The TLI staff has decades of hands-on experience in implementing package licensing requirements, export control regulations, and Customs and anti-dumping order compliance for radioactive materials and related components. By integrating these activities with its transportation management expertise, TLI provides comprehensive service that minimizes disruption and delay.

- Export License
- Package Validations
- Anti-Dumping Order Compliance
- Transportation Feasibility Studies
- Consulting/Information Services
- Training

Export License

The international transfer of radioactive materials and related commodities hinges on strict adherence to export control protocols and regulations. With years of experience in the practical implementation of these control regimes, the TLI staff prepares applications and obtains approval for import and export of controlled commodities to numerous international destinations.

Package Validations

To support international movements of radioactive materials, TLI routinely manages validation of transport packages in the United States and other countries. Focusing on thorough knowledge and application of international and national regulations, complete and accurate preparation of requisite application materials and timely submission, TLI ensures that the necessary approvals are in place to support worldwide movements of radioactive cargoes.

Anti-Dumping Order Compliance

With a thorough understanding of the U.S. Department of Commerce anti-dumping regulations and applicable Customs requirements - together with meticulous attention to detail - TLI prepares the required documentation and speeds approval for import of uranium into the United States.

TLI's comprehensive knowledge of the suspension agreements in the uranium anti-dumping investigation works to avoid delays in processing imports of subject materials.

Transportation Feasibility Studies

TLI analyzes potential transport scenarios involving all types of radioactive materials, focusing on regulatory requirements, routing options, packaging and other equipment needs, safety and security measures, insurance needs, import/export controls and political sensitivities.

Consulting/Information Services

TLI monitors developments in the international fuel cycle, particularly concerning regulatory and policy changes that affect the uranium conversion, enrichment
and fabrication sectors, to assist customers in understanding such changes and in developing strategies for future action.

Complementing its core business, the transportation of radioactive materials, the TLI team includes experts in nonproliferation issues such as disposal of surplus weapons plutonium and highly enriched uranium, and in transport and management of research reactor and
utility spent fuel. TLI's in-house experts, supported by their years of experience, provide customized updates to consulting clients on a daily, weekly or monthly basis.

Training

In addition to its rigorous in-house training in U.S. and international regulations applied to packaging and transport of radioactive materials, TLI provides external training to industry members to ensure their understanding of and compliance with relevant regulations. TLI's years of experience, combined with its thorough understanding of federal transport regulations, allows it to tailor training courses to fulfill customer needs, requirements and time constraints.

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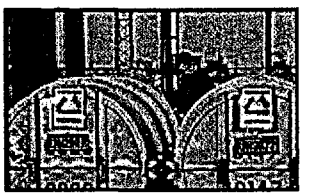
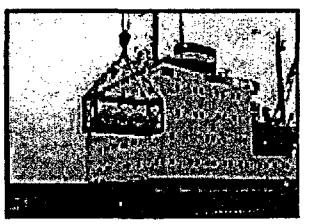
Transportation to and from Russia





TLI's activities in Russia and other CIS states are based on years of experience in two areas: 1) transporting low-enriched uranium (LEU) under the highly successful U.S.-Russian nonproliferation program, Megatons to Megawatts, designed to dilute 500 metric tons of highly enriched uranium from dismantled nuclear warheads, and 2) the return of LEU feed materials from the United States to the Russian Federation. In connection with this work, TLI provides packaging, tracking, transportation documentation and program management for shipments from Russia and other CIS countries.

The activities of TLI Russia include

- Independent witnessing at Russian enrichment facilities
- Monitoring inland Russian shipments to ensure timely arrival at Russian and other CIS destinations
- Ensuring adequate supply of packagings and shipping containers
- Ensuring full regulatory compliance
- Ensuring that packagings maintain the proper validations, both within Russia and through each country they transit.

TLI Russia's representatives provide witnessing activities at three enrichment facilities located inside the Russian Federation. TLI's representation, available on a 24-hour basis, performs the following duties on behalf of the company and its customers:

- Witnesses and documents the filling and weighing of 30B cylinders and 1S sample bottles
- Documents identification, including identification of 30B cylinders, sample bottles and seal numbers (on valve and plug)
- Witnesses and documents the loading of filled cylinders inside the protective shipping package, including the placement of seals on the overpack after loading is complete.

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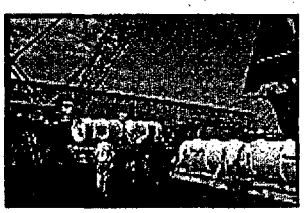
Seamless Service



- Training
- DOT Registration
- Approval to Use Transport Packages
- Physical Protection Plan Approved by the U.S. Nuclear Regulatory Commission (NRC)
- Insurance to Move Radioactive Cargoes
- Staging Facility

Training

TLI's internal training program meets and exceeds the U.S. Department of Transportation (DOT) requirements outlined in federal regulations (49 Code of Federal Regulations), which specify requirements for marking, labeling, placarding, preparation of shipping papers and emergency response procedures). To complement their comprehensive knowledge and understanding of relevant transport regulations, TLI staff members are trained in accordance with procedures set by international organizations such as the

- International Atomic Energy Agency
- International Civil Aviation Organization
- International Maritime Organization.

Going beyond DOT requirements, TLI's program includes training on other issues, such as import and export licensing regulations, antidumping regulations and a broad range of Customs-related regulations.

The company's training program focuses on three primary areas:

- Thorough understanding of the relevant foreign and domestic regulations, including requirements for preparation of shipping documents, marking, labeling, placarding, routing, packaging, etc.
- Function-specific training (which relates to those skills specifically required by an employee to perform his/her job functions)
- Safety training, which includes emergency response procedures, measures designed to protect employees and others from the hazards associated with the work, and accident avoidance measures.

DOT Registration

TLI holds U.S. Department of Transportation registration for offerors and transporters of hazardous materials for the shipment of radioactive materials and highway-route-controlled quantities of radioactive materials. TLI's proof of registration is available upon request.

Approval to Use Transport Packages

TLI is registered as a user of more than 40 specific package designs. U.S. and some non-U.S. regulations require that each entity offering radioactive materials for transport be registered as a user of the types of packages being employed for shipment. All such packages must be properly certified for use in the United States as well as in each country to, from or through which the material is transported.

Physical Protection Plan Approved by the U.S. Nuclear Regulatory Commission (NRC)

TLI maintains an NRC-approved physical protection plan that ensures compliance with NRC and international physical protection standards and also provides additional measures to deal with transport of special nuclear materials by all modes. The regulations requiring such a plan stipulate that the system be designed to protect against threats of theft or diversion of special nuclear material and against radiological sabotage. The physical protection plan must also provide clear steps for protection of safeguards information.

Insurance to Move Radioactive Cargoes

TLI holds the necessary nuclear liability and business insurance required to manage the international movement of radioactive cargoes. Proof of insurance, as well as information regarding the amount of indemnity held by TLI, is available upon request.

Staging Facility

TLI manages a warehouse in Piketon, Ohio, from which equipment and empty and filled transport packages can be positioned for staged delivery in accordance with the receipt capabilities of U.S. nuclear fuel facilities and carriers. This allows for acceptance of consignments on a dynamic schedule based on facility and carrier workloads and other receipt commitments. This site provides a secure, temporary holding facility. For the staging of shipments involving fissile materials, security measures include a fenced perimeter, controlled-access security gate, vapor lights, motion detectors with alarms and twenty-four hour security patrols.

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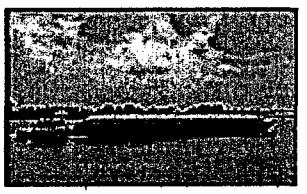
Senior Staff



TLI's management team totals more than 80 years of combined experience in the nuclear industry, with demonstrated expertise in managing complex multinational movements of radioactive materials.

- Mr. Rod Fisk, Chief Executive Officer
- Mr. Daren Condrey, Senior Vice President
- Mr. Mark Lambert, Vice President
- Mr. Sergey Danilenko, Director, TLI Russia

Mr. Rod Fisk, Chief Executive Officer:
A former senior diplomat, Mr. Fisk is an expert in international nuclear energy issues, with an emphasis on nonproliferation regimes and import/export controls. He serves as an industry representative on U.S. delegations to the International Atomic Energy Agency and the International Maritime Organization. For the last 17 years, Mr. Fisk has applied his expertise for numerous fuel cycle participants and governments, analyzing the regulatory and political environment in which critical transportation and fuel cycle decisions are made and developing strategies to meet customer goals.

Mr. Daren Condrey, Senior Vice President:
Well known to the international fuel cycle community, Mr. Condrey has handled radioactive materials shipments for more than 13 years. At TLI, he coordinates regulatory, logistical, economic and time requirements to ensure successful movement of nuclear materials. He also excels in negotiating transportation rates with ocean, air and inland carriers, arranging transport with freight forwarders and customs brokers from a variety of countries, and managing equipment (packages and containers) necessary for the international movement of radioactive cargoes.

Mr. Mark Lambert, Vice President:
A former national security specialist for the U.S. military, Mr. Lambert provides expert knowledge of regulations affecting the movement of radioactive cargoes. Dedicated to managing transports of nuclear materials for the past eleven years, Mr. Lambert's previous experience includes management of all import, export and Customs compliance issues for a major U.S. clothing company. At TLI, he shoulders the day-to-day responsibility for arranging transport and ensuring that all necessary U.S. and non-U.S. permits are obtained to support radioactive materials shipments.

Mr. Sergey Danilenko, Director, TLI Russia:
For the past seven years, Mr. Danilenko has managed the movement of radioactive cargoes to and from CIS countries. He maintains excellent communications with IZOTOP, the Russian-licensed entity responsible for internal transport of radioactive materials, as well as with Russian Customs and other government authorities. Mr. Danilenko also enjoys good working relationships with personnel at Russian

enrichment facilities, including witnesses responsible for verification of product supply.

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Useful Links

Thank you for visiting this portion of the TLI website. The companies and organizations listed below represent but a small portion of the international nuclear community. In an effort to continually provide our customers and guests with the most up-to-date information, please do not hesitate to contact us regarding changes or additional suggestions.

- Industry Associations
- Industry Members
- International Affairs Links
- International Organizations
- United States Government

Industry Associations

Nuclear Energy Institute
Uranium Institute
World Nuclear Transport Institute

Industry Members

British Nuclear Fuels
Cameco Corporation
Columbian Boiler Company
Converdyn
Framatome ANP
Global Nuclear Fuels
General Atomics
Nuclear Cargo + Service
United States Enrichment Corporation
Westinghouse Electric Company
Urenco, Ltd.

International Affairs Links

The Arms Control Association
The Center for Strategic and International Studies
Carnegie Endowment for International Peace
The Brookings Institution
The Bulletin of the Atomic Scientists
The Cato Institute
The Center for Non-Proliferation Studies
Federation of Atomic Scientists
Institute for Science and International Security
The Henry L. Stimson Center

International Organizations

European Nuclear Society
International Air Transport Association
International Atomic Energy Agency
International Civil Aviation Organization
International Maritime Organization
International Nuclear Safety Center
OECD Nuclear Energy Agency
United Nations

United States Government

U.S. Coast Guard
U.S. Department of Commerce
U.S. Customs Service
U.S. Department of Energy
U.S. Government
U.S. International Trade Commission
U.S. Nuclear Regulatory Commission (NRC)
U.S. Department of State
Thomas- U.S. Congress on the Web
U.S. Department of Transportation
DOT- Research and Special Programs Administration (RSPA)

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