

# THE SOURCE

SEPTEMBER 2022 • ISSUE 07

## PRODUCTS

# PACKAGING, CASKS, LINERS & HICs

### DURABLE & FLEXIBLE PACKAGING

MHF Services, an EnergySolutions company, is a leading provider of flexible and durable packaging products for a wide range of industrial and environmental applications. MHF combines its knowledge of packaging and transportation to offer the most cost-effective, safe, and compliant solutions. There is a wide variety of durable containers, flexible packages, and rail car or container liners.

- Off-the-shelf designs or specialized customized solutions
- Stringent QA/QC program

### SHIPPING CASKS

EnergySolutions offers the largest fleet of Industrial and Type A&B shipping casks to the industry, with more than 90 casks of different sizes, shielding, and certifications. We also provide shielded, disposable liners for the transport of radioactive materials.



FLEXIBLE WASTEPACK BEING LOWERED INTO A RAILCAR



SURFACE-CONTAMINATED OBJECT WRAP



DOT TYPE A, IP-II, AND NRC TYPE B SHIPPING CASKS

### DURABLE & FLEXIBLE PACKAGING ASSETS

- Cargo containers in a variety of top- and end-loading and shielded configurations
- Railcar covers and liners
- Lift Liners™
- Flexi-Drums
- WastePacks™
- Surface-contaminated object wraps
- Type A/7A intermodal and cargo containers
- Shielded Multi-use Type-A Container

### DOT TYPE A & IP-II SHIPPING CASKS

- 8-120A
- 10-142
- 14-170 Series
- 14-190H
- 14-195, 14-215, 14-210
- 21-300
- 6-80
- 18-450
- 27-415
- TCT

### NRC TYPE B CASKS

- 10-160B
- 8-120B
- 3-60B

**GET TO KNOW ALEX**



Mr. Aleksandr (Alex) Gelfond serves as the Director of

Engineering/Licensing, Cask Group at EnergySolutions. Alex is responsible for internal and external engineering and licensing support associated with EnergySolutions' low-level radioactive waste casks operations. He has been with EnergySolutions for 8 years and oversees the engineering, licensing, fabrication, maintenance, and operation of the EnergySolutions radioactive waste cask fleet. With more than

16 years of industry experience, his primary focus has been dry storage of spent nuclear fuel and transportation of radioactive waste. Early in his career, Alex worked at Chernobyl focused on nuclear fuel dry storage and also worked in Ukraine at a Center Storage Facility. Interests for Alex away from work include spending time traveling with his wife, son, and daughter, and he has a passion for playing hockey and soccer.

- **Proven Design and Reliability**
- **High Rad Interim and Long-Term Storage**
- **Large Equipment Packaging**
- **Waste Shipping, Processing, and Disposal**



DURABLE LINERS



HIC CASK BEING LOWERED INTO A SHIELDED MULTI USE TYPE A CONTAINER

**CONTAINERS**

EnergySolutions is a highly experienced supplier of metallic and non-metallic packaging. We can equip our complete line of High Integrity Containers (HIC) and carbon steel liners for dewatering, solidification, and other waste processes. We design and manufacture innovative, nonmetallic packaging constructed with materials such

as polyethylene and concrete. These materials are used for applications such as HICs and long-term, on-site storage, and shielded transportation systems. EnergySolutions has the resources to provide highly customized package design for your most delicate instrumentation and high-dose hardware, while meeting stringent regulatory requirements.

EnergySolutions' engineering, manufacturing, and testing functions are performed in accordance with its corporate Quality Assurance Program, which has been developed to meet the standards of ASME/NQA-1, 10 CFR 71 Subpart H and 10 CFR 50 Appendix B. EnergySolutions' comprehensive testing capabilities include those required by 49 CFR and 71 CFR.

**MEDIA DEWATERING CONTAINERS**

- High Integrity Containers
- Steel media dewatering liners

**STEEL PACKAGES AND CONTAINERS**

- B-25 metal containers
- B-12 metal containers
- 20-foot cargo containers
- Customized containers

**UPCOMING ISSUES**

- Professional Shippers and Brokers
- Hittman Transport Services
- PHTS Logistics
- Memphis Facility—Decontamination Services and Equipment Storage