



**MHF**  **SERVICES**

*Where Complex Challenges  
Meet Smart Solutions*

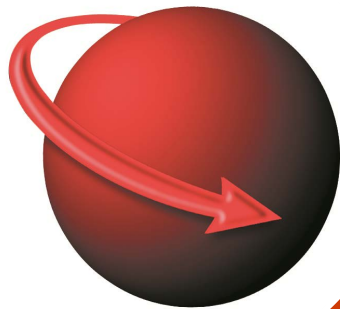
**Providing solutions for the nuclear industry since 1994**

# Our History



MHF was founded in 1994 to:  
seamlessly integrate  
**technical services,**  
**packaging,** and  
**transportation logistics**  
for the radiological and  
hazardous markets

# MHF's Vision



Our vision is to be the most **trusted**  
and **innovative** provider of  
**safe** and compliant **solutions**  
for the **movement** of  
environmentally sensitive material.

# MHF's Core Values



## Compliance

- MHF will conduct business safely and responsibly, in compliance with all laws and regulations. MHF will never compromise on safety or quality.



## Integrity

- MHF will be trustworthy in all interactions and transactions with customers, suppliers, and other constituents.



## Customer Focus

- MHF will demonstrate a genuine interest in helping customers achieve goals and will continuously strive to achieve excellence in customer care.



## Staff Empowerment

- MHF will encourage employee involvement and creativity as a source of new ideas to continually improve service.

## MHF MEANS:

- ▶ TRANSPORTATION
- ▶ PACKAGING
- ▶ TRANSLOADING
- ▶ TECHNICAL SERVICES
- ▶ DISPOSITION

# Fully integrated services



Provided by a dedicated team of professionals





# TRANSPORTATION

- MHF is the railroads' largest client for radioactive and hazardous waste, materials and byproducts
- Seamless transportation via direct rail, intermodal rail, truck, and marine





# Largest private equipment fleet in the industry

- \$60M+ in owned and leased railroad assets
- Private fleet of 1,200+ railcars
- 700 containers



# Gondolas

## 100-TON CAPACITY GONDOLA

- Used for lighter density materials or Lift Liner™ packages



## 110-TON CAPACITY GONDOLA

- Used for direct loading of higher density materials





# Intermodal Containers on Articulated Flatcar

- 177 ton carrying capacity
- Greater capacity than railroad-supplied cars
- Maneuverable, articulated design
- Multiple configurations



# Tank Cars and Boxcars

## TANK CAR

- Multiple types and sizes available for varied applications



## BOX CAR

- Up to 340 55-gallon drums per boxcar can be transported safely and securely





# PACKAGING

- Durable and flexible packaging
- Standard and custom designs
- Stringent QA program
- Manufacturing facility in Sweetwater, TN







## Flexible Packaging Benefits

- No long-term rental fees
- Reduced move/demove fees
- High capacity system — reduced tare weight
- Efficient loading and transfers
- No container decon or repair





# Lift Liner™ System

- Industry standard for more than a decade
- Ideal for LLRW, solid debris or bulk materials
- Successfully used for thousands of shipments





# Packaging Innovation

- MHF deployed personnel and materials in support of the New Orleans levee breach repairs for the USACE



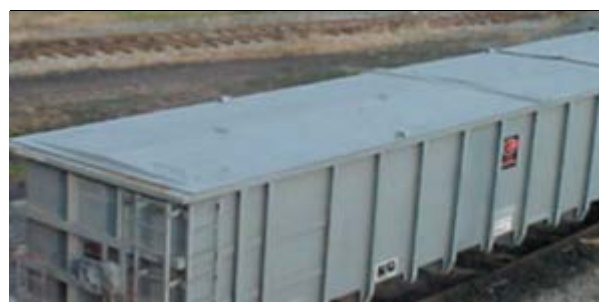




# SCO Wraps

- Manufactured under MHF's stringent QA program
- Fabrication based on component's dimensions and contamination levels





# Durable Packaging

- Designed to be transported by truck, rail or marine
- Standard or custom designs
- DOT, AAR and ABS Certified





# Intermodal Containers

## 25 CUBIC YARD INTERMODAL

- 25.4 cubic yard capacity
- 59,800 lbs. max net weight capacity
- 7,400 lb. tare weight
- Ideal for soils, sludge, rubble, metals and construction/demolition debris



## 20 FOOT IP-1 CARGO

- 60,000 lbs. maximum net weight capacity
- 1,162 cubic foot internal volume
- 7,200 lbs. tare weight
- Custom modifications available



# Intermodal Containers

## 40 FOOT IP-1 CARGO

- 52,200 lbs. max net weight capacity
- 2,372 cubic foot internal volume
- 15,000 lbs. tare weight
- Custom modifications available



## SHIELDED MULTI-USE TYPE A (SMAC)

- For radioactive materials requiring shielding for regulatory compliance
- Accommodates various liners, cylinders, boxes, drums, packages or components



# Intermodal Containers

## 25 CUBIC YARD TYPE A/7A INTERMODAL

- 25.4 cubic yard capacity
- 57,900 lbs. max net weight capacity
- 9,300 lbs. tare weight
- Loaded from top or end
- Custom designs for easy securement



## 37 CUBIC YARD TYPE A/7A CARGO

- 37 cubic yard capacity
- 56,500 lbs. max net weight capacity
- 10,700 lbs. tare weight





# TRANSLOADING

- Five permanent facilities:
  - Worcester, MA
  - North Bergen, NJ
  - Oak Ridge, TN
  - Parker, AZ
  - East Argenta, NV
- Temporary facilities on-site or at rail junction
- Innovative intermodal applications





# Key Northeast Transload Facilities

- NORTH BERGEN, NJ



- WORCESTER, MA



# Key Southwest & Southeast Transload Facilities

- EAST ARGENTA, NV



- OAK RIDGE, TN





# Mobile Transload Ramp

- Unit segments for mobilization using a bolt-together design
- Assembly in 48 hours
- Moves on 7 flatbed trailers





# TECHNICAL SERVICES

- Full project support from characterization to off-site shipment
- Project management and field personnel
- Brokerage services





# DISPOSITION

- Volumetric Free Release
- Processing for Free Release
- Volume Reduction
- Direct Disposal



# MHF Means: A close-knit team of industry professionals offering unparalleled customer service

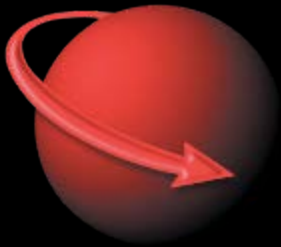


- Lisa Sabol, Director
- Scott Dempsey, Vice President



- Rob Woodburn, Operations Director
- Amber Nelis, HR Manager





# What MHF means to our Valued Customers:



the **premiere**  
**logistics provider**  
in the radioactive market



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[www.mhfservices.com](http://www.mhfservices.com)