



UN Performance Packaging Program Operations Update

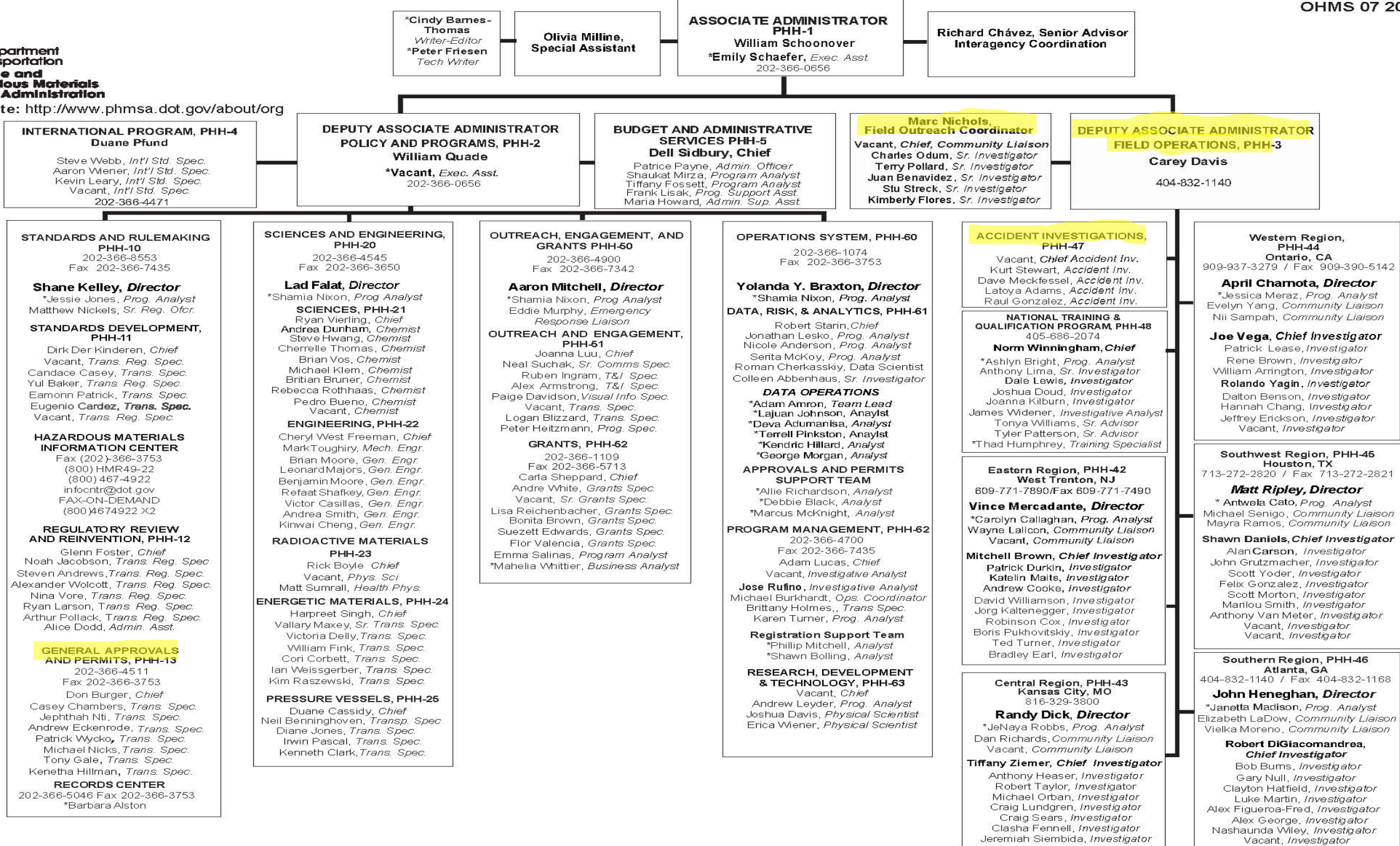
*PSCI Annual Meeting
Las Vegas
September 12, 2023*



PHMSA's Mission

To protect people and the environment
by advancing the safe transportation of energy and other
hazardous materials that are essential to our daily lives





Manufacturer Inspection Process (MIP) Field Guide

- Field Guide for PHMSA UN Packaging Oversight
- Applications for PHMSA and Regulated Entities (public release)
 - Phases of Oversight and Information Collection
 - Examination of Manufacturing Process
 - Package Testing Observation
 - Critical Design Selection for Validation Testing
 - Alternative Validation Testing (AVT) Process
 - Administrative Functions



400 Series Non-Bulk Testing Course

May 2023 – Pilot Course Completed

- National Training & Qualification Team
- Central and Western Region Chief Investigators
- Package Testing Coordinator

October 2023 – First Student Class

- Central Region Director
- Regional Investigators with Packaging Subject Matter Expertise
- Systems Integrity Safety Program (SISP) Team Representative
- Approvals and Permits Representative (TPL Oversight)



Packaging 400 Course Overview

- Taught by PHMSA at U.S. Army, Tobyhanna, PA
- 8 Day Course for PHMSA Personnel
- Army Engineers and Equipment for Laboratory Activities Completion
- Case Studies and Testing for 7 Primary Designs (80+ Tests Conducted)
- Test Report Evaluation and Mathematical Calculations
- Hands-on Activities Including Assembly & Closure
- Final Assessment – Testing Observation and Evaluation to Assess Compliance and Promote Best Practice Recommendations



Packaging 400 Course Objectives

- Inform on Packaging Industries, Designs and Testing Practices
- Understand Challenges for Successful Testing Outcomes
- Practical Application of Industry Best Practices to Package Testing
- Promotion of Safety Management Principles – Sell Safety
- Critical Design Selection for Validation Testing
- Application and Expansion of Alternative Validation Testing
- Managing Testing Oversight Activities



Future Training Recommendations

- Open Packaging 400 Course to Interested Parties
 - PHMSA HQ, FAA, Motor Carriers, Coast Guard, Railroads
 - Packaging Manufacturers with Internal Testing Programs
 - Third Party Lab Customers
 - Packaging Distributors, Independent Testers and Drum Reconditioners
- Develop Bulk Package Testing Oversight Course
 - Intermediate Bulk Containers/Portable Tanks



Future Packaging Point of Contact

Kate Maitis

Hazardous Materials Investigator, Eastern Region (NJ)
Package Testing Coordinator

US Department of Transportation
Pipeline and Hazardous Materials Safety Administration

Katelin.Maitis@dot.gov

Mobile: 267-275-7405



Anthony Lima
**National Packaging Safety Program Manager/
Senior Investigator**
Office Of Hazardous Materials Field Operations
U.S. DOT/PHMSA

anthony.lima@dot.gov

alimadot@gmail.com

(856) 265-3054 (cell)

<https://www.phmsa.dot.gov>

