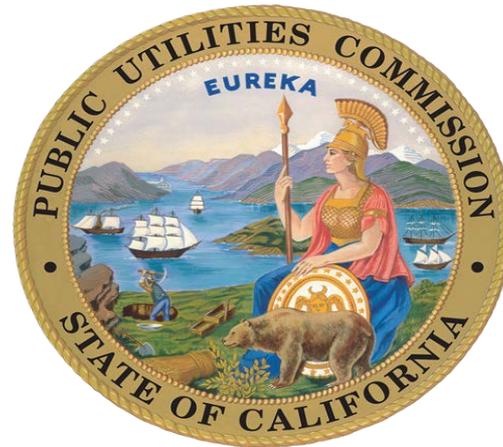




Hazardous Materials (HM) Inspections - Ports



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Port Inspections - Presentation Overview

- Statistics
- Applicable codes
- Port inspection protocol
- Inspection procedure
- Defective conditions
- Remedial action
- Inspection closeout





Statistics

Example: Port of Los Angeles (POLA):

- Container volume ranking: 1st in US; 16th in world.
- 41.4% market share of West Coast loaded containers.
- POLA – 43 coast miles, 7,500 acres, 16 marinas.
- 270 ship berths, 85 cranes.
- Tax revenue for CA: \$6 Billion annually.
- Approximately 700,000 containers handled monthly (import / export).
- Approximately 1600 – 2000 handled each month contain **HM**.





Applicable Code of Federal Regulations (CFR)

- CFR Title 49, Parts 100-177 for HM.
- Specifically - Part 172.101.
- 172.101 references the HM identification table.
- HM table:
 - Identifies the commodity **class**.
 - Provides the proper commodity shipping **name**.
 - Provides specifics for **labeling**, **packaging** and **storage** of HMN commodities.





Inspection Teams

- Staff conducts Port HM inspections independently.
- Staff also often teams with:
 - US Coast Guard (USCG).
 - Federal Railroad Administration (FRA).
 - Transportation Security Administration (TSA).





HM Identification Table

Class 1 – Explosives.

Class 2 – Non-Flammable Gas, Flammable Gas, Oxygen Inhalation Hazards.

Class 3 – Flammable, Combustible.

Class 4 – Flammable Solid, Spontaneous Combustible, Dangerous.

Class 5 – Oxidizing Agents.

Class 5.2 – Organic Peroxide.





HM Identification Table

Class 6 – Poison, Inhalation Hazard.

Class 7 – Radioactive.

Class 8 – Corrosives.

Class 9 – Miscellaneous Hazardous materials.





Placard Example

Proper shipping symbol



Name



Class





Port Inspection Protocol





Entering Facilities

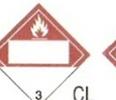
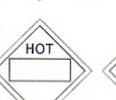
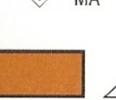
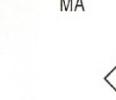
- Introduction at facility office.
- Present CPUC I.D., badge and business card.
- Give reason for gaining access to facility.
- Job briefing with Facility Point of Contact.
- Identify shipment areas for rail transport.
- Facility rep to accompany inspection.
- Inspection.





Inspection Procedure

- Select, at random:
 - A container identified by any of these placards, or
 - Any container due to any suspicious issue or identification concern.

 N1  N2  N1  N2	 PA  PL	 RM	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;"> May be placed next to Explosives 1.1 or 1.2 (Exception DOT-E9271) </div>  N3  N4  N5  FG  NG  OX  FG  PO  PO  PO <p style="font-size: small;">DOT 113 TANK CAR Canada or International Anhydrous Ammonia To and From Canada Only</p>  FL  DW  FS  NS  OM  OP  OP  PC <p style="font-size: x-small;">Valid through 2010 (U.S. and Canada Only)</p>  PB  CM  DA  DA <p style="font-size: x-small;">Canadian</p>	 N6  CL  CL  NF  NF  N9  MA  MA  MA  MA  MA  MA  MA  MA
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Inspection Procedure

- Select randomly.
- Cut locks.





Inspection Procedure

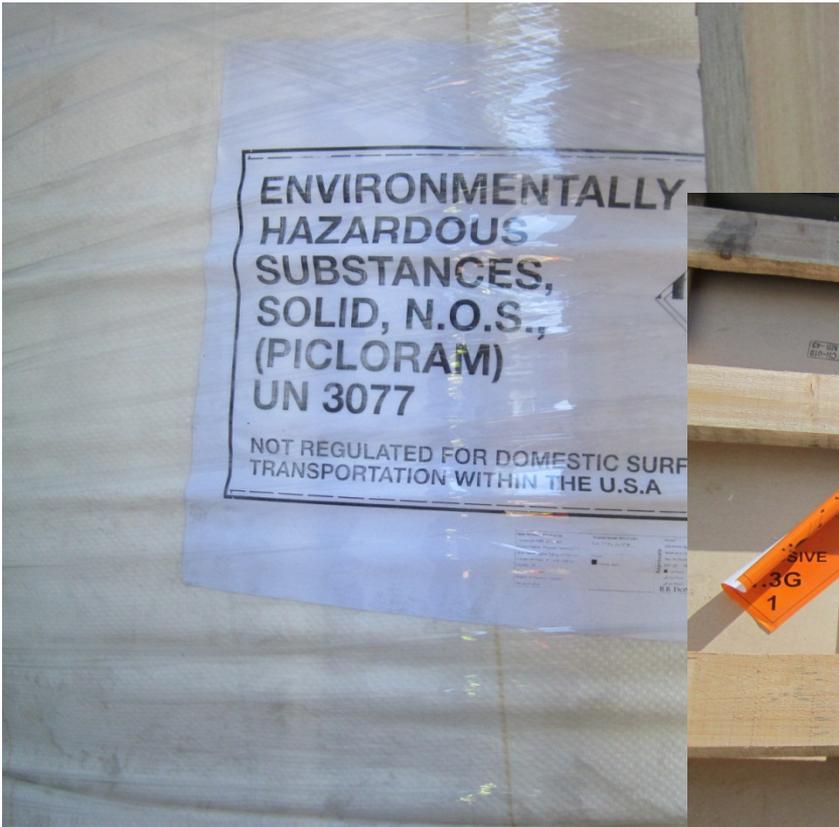
- Inspect contents and bracing.





Inspection Procedure

- Verify contents vs. external placards.





Inspection Procedure

- Verify shipping paperwork vs. container contents.





Defective Conditions

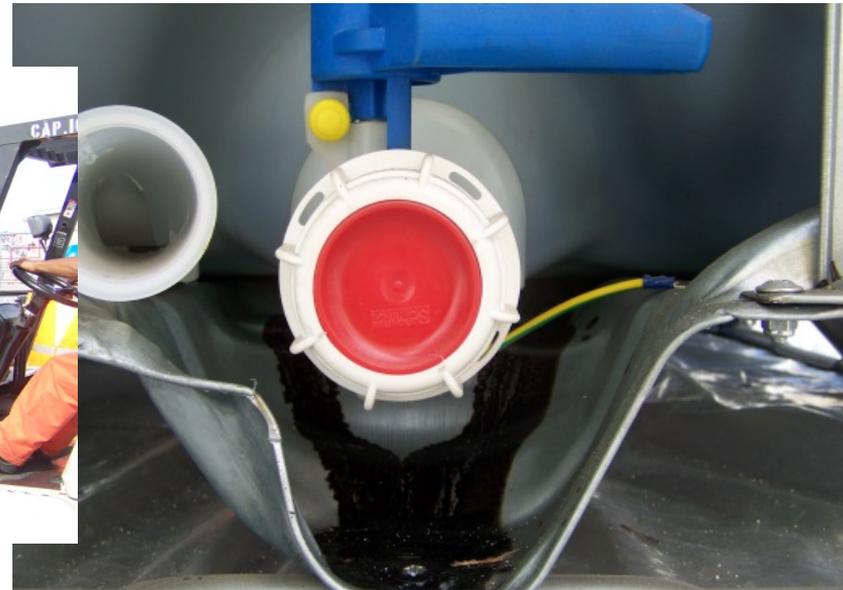
- Look for improper packaging/container. HM can be shipped in a variety of packages:
 - Steel drums
 - Plastic drums
 - Plywood drums
 - Fiber drums
 - Steel box
 - Natural wood box
 - Plywood box
 - Cardboard box





Defective Conditions

- Look for leaks and/or releases.
- Look for proper blocking and bracing of load.
- Look for unclaimed HM.
- Look for smuggled goods, suspicious objects.
- **Look beyond the regulations!**





Remedial Action

Leaking container or package:

- Container is placed on hold and moved to an isolation area.
- Contents are cleaned up by HM team.





Inspection Closeout

- Notify facility managers / law enforcement entities of defective conditions and /or other issues immediately.
- **Work with / stay in communication with:**
 - Port Police Department.
 - Port Security.
 - Department of Homeland Security.
 - Local Sheriffs Department.
 - HM Teams.
- Produce and present:
 - A defect report.
 - Any risk management safety report.
 - Any applicable civil penalty recommendations.

