



U.S. COAST GUARD



**Homeland
Security**

**MOBILE FACILITY
HANDLING BULK LIQUIDS
INSPECTION
JOB AID**

**Mobile Bulk Liquid Facility
List of Acronyms**

| | |
|------|--|
| ACP | Area Contingency Plan |
| AMPD | Average Most Probable Discharge |
| COTP | Captain of the Port |
| MAWP | Maximum Allowable Working Pressure |
| MOA | Memorandum of Agreement |
| MOU | Memorandum of Understanding |
| OSRO | Oil Spill Response Organization |
| PIC | Person in Charge |
| ANSI | American National Standards Institute |
| ASTM | American Society for Testing and Materials |

Notes:

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Notes:

Task 4: Inspect Mobile Bulk Liquid Facility

Note:

Step

Action

- 4.1 Examine transfer hose design.
33CFR 154.500
- Nonmetallic hoses usable for oil or hazardous material service
 - Proper connections (must be one of the following):
 - Fully threaded
 - Flanges meet ANSI Standard B16.5 or ANSI Standard B16.24
 - Quick-disconnect couplings meet ASTM F-1122
- 4.2 Examine transfer hose markings or records.
- Name of product handled, followed by symbol; example "OIL SERVICE," or "HAZMAT SERVICE"
- 4.3 Examine Transfer Hose condition.
33CFR 156.170
- No unrepaired kinks, bulges, soft spots, loose covers, other defects
 - No cuts, slashes, or gouges that penetrate the first layer of hose reinforcement
 - No external/internal deterioration
- 4.4 Emergency shutdown.
33CFR 156.170
- Verify operating properly.
 - Record test info in physical information.
- 4.5 Examine closure device.
33CFR 154.520
- Verify enough to blank off ends of each hose and loading arm not connected for transfer (new, unused hose and hose that has been cleaned and gas freed are exempt).

Notes:

Task 4: Inspect Mobile Bulk Liquid Facility (Continued)

Note:

Step

Action

- 4.6 Inspect Small Discharge Containment.
33CFR 154.530
- Inspect handling area.
 - Inspect hose connection.
 - Verify capacity (not less than 5 gallons).
- 4.7 Inspect discharge containment equipment for oil & hazardous liquids.
33CFR 154.545
- Verify booming for oil or hazmat transfer (if required by COTP).
 - Verify adequate amount of response equipment.
 - Inspect condition of response equipment stored on facility (if applicable).
 - Test emergency shutdown.
33CFR 154.550

Note: Add remarks; include who controls the emergency shutdown.

Note: Electric, pneumatic, or mechanical link to facility; electronic voice communication system continuously operated.

- Verify meets time requirements.

| If facility handles... | And began operation ... | Then flow must be stopped within... |
|------------------------|------------------------------|-------------------------------------|
| Oil | After 1 November 1980 | 30 seconds. |
| Oil | On or before 1 November 1980 | 60 seconds. |
| Hazardous Liquid | On or after 4 October 1990 | 30 seconds. |
| Hazardous Liquid | Before 4 October 1990 | 60 seconds. |

Notes:

Task 4: Inspect Mobile Bulk Liquid Facility (Continued)

Note:

Step

Action

4.8 Means of Communication.
33 CFR 154.560

- Verify continuous two-way voice communication between vessel and facility PICs.
 - Means to signal use of communications
 - Usable in all conditions of weather and operations

| If means of communication is a... | And items being transferred are... | Then communications must meet the following requirements... |
|-----------------------------------|------------------------------------|--|
| Portable Radio | Flammable or Combustible Liquids | <ol style="list-style-type: none"> 1. Marked or documented as intrinsically safe. 2. Certified as intrinsically safe by national testing labor certification organization recognized by COMDT. |
| Voice | → | <ol style="list-style-type: none"> 1. Be audible. |

4.9 Test communications, record results in remarks.

4.10 Inspect lighting systems.
33 CFR 154.570

- Verify portable lighting for operations between sunrise and sunset (if applicable).
 - At transfer operations work areas for facility and vessel
 - At transfer connection points for facility and vessel
- Verify PIC designation/qualification.
33 CFR 154.710, 33 CFR 154.730, 33 CFR 154.740(b)
- Verify sufficient number or fire extinguishers.
- Verify protective equipment is ready to operate.
- Verify warning signs are adequate.

Notes:

Task 4: Inspect Mobile Bulk Liquid Facility (Continued)

Note:

Step

Action

- 4.11 Inspect Internal Combustion Engine Equipment.
33 CFR 154.735(j)
- Verify not a fire hazard.
 - Verify approved fire extinguisher attached, unless one readily nearby.
 - Verify presence of spark arresters provided on all chimneys or appliances that:
33CFR 154.735(k)
 - Use solid fuel
 - Where sparks are a hazard to nearby combustible material
 - Examine fires and flame lamps.
33CFR 154.735(o)
 - No open fires or flame lamps
 - Verify wiring on truck is in good condition and maintained.
- 4.12 Substantial Harm Facility.
33CFR 154.1040
- Verify availability of at least 200 feet of containment boom onsite within 1 hour.
 - Verify means of deployment.
 - Verify availability of absorbent material for AMPD initial response.
 - Verify COTP verification of on-site equipment.
 - Condition of equipment verified: [] yes [] no
 - Inspection/operational test performed
 - Verify Discharge amounts
 - Average most probable
 - Maximum most probable
 - Worst case discharge
 - Verify contract with OSRO is current. (if applicable)
 - Does OSRO have enough equipment and personnel to meet the facilities needs?
 - Verify Response Plan covers all areas of transfer sites and appropriate sections of the ACP are incorporated.

Notes:

