



# MHI Containment Requirements

<b>Document Reviews</b>		
<b>Date</b>	<b>Initials</b>	<b>Comments</b>
11/3/14	G.D.S.	Deleted para. 3.3... changed 2.0, 3.1, 3.2, 4.0, 4.1, 4.1.2, 4.1.4, 4.2
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**Containment Requirements**

Issued by: Environmental Department

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- 1.0 PURPOSE:** To disseminate to MHI, all contractors and sub-contractor personnel MHI's requirements for the use of portable equipment containment at MHI's midtown facility or any MHI jobs.
- 2.0 SCOPE:** This document describes the basic requirements and persons responsible for ensuring that the risk of environmental contamination by powered portable equipment, tanker trailers, fuel tanks, or containers are mitigated. Obvious exceptions to this procedure include "mobile equipment" such as forklifts, boat motors, and mobile cranes as well as other motor vehicles.
- 3.0 RESPONSIBILITIES:** There are varying responsibilities concerning various pieces of portable equipment. These are listed below.

  - 3.1** The shop or contractor who is utilizing the equipment will be held responsible for supplying and maintaining containment for portable equipment as delineated below. They will also be responsible for all areas affected by the equipment and its associated processes including cleanliness until removed from the job site.
  - 3.2** MHI's Facilities, MHI Project Team or Safety Department are responsible for site approval of portable equipment being brought onto MHI's facility or job site and must ensure that all equipment meets minimum requirements before being accepted on the midtown facility, pier or job site. For Example; equipment which arrives at the site damaged to the extent that it is reasonably unsafe to operate or environmentally hazardous such as bare wiring showing or leaking oil shall not be accepted or unloaded.
- 4.0 CONTAINMENTS:** The following is a list of containment requirements for powered portable equipment, tanks, tankers, or other containers that may pose a risk to the environment if leakage occurs.

  - 4.1 Drip pans / Spill Containment** is required to be placed under all portable equipment with internal combustion engines such as hydro-blast pumps, air compressors, engine powered welding machines and some pressure washers. Containment is also required to be placed under any other portable equipment which contains fluid reservoirs such as tanker trailers, paint sprayers, hydraulic pumps or single walled portable fuel tanks. Double walled fuel tanks do not require additional containment.

    - 4.1.1** Drip pans / Spill containments must be of sufficient capacity to contain all of the liquid that could reasonably be expected to spill from a catastrophic failure such as a ruptured fuel tank, hydraulic oil tank or engine crankcase.



- 4.1.2 Containments are required to be clean and free of oil, grease or paint residue since excessive rain water could cause these residues to spill over the side.
- 4.1.3 Containments are required to be maintained in a clean and dry condition. Any water from rain or any other source shall be removed daily prior to operation of the equipment as well as at the end of each shift. Any oil or other contaminants shall be removed immediately.
- 4.1.4 Containments with any damage such as a cracked welds, *holes, tears, etc* or the edge is bent so that it reduces the capacity of the containment or it is found to be leaking shall be cause for shutting down the equipment and immediately replacing the containment with a comparable containment.

**4.2** **Frac Tanks / Vacuum Tanks / Vacuum Boxes** shall be pumped as deemed necessary to prevent over filling and any time the contents reaches eighty percent of the tanks rated capacity. Tanks will be inspected daily for leakage past seals and for missing or broken hardware as well as any signs of damage which could reasonably result in a spill. Any leakage from a tank or associated hose couplings could be grounds for shutdown of the operation, containment of the spill, pumping out the tank and repairing or replacing the tank prior to resuming operations.

**4.3** **Liquid Industrial Vacuums** require the use of a drip pan / containment which shall meet all of the requirements as stated in steps: 4.1 thru 4.1.4 above.

**5.0 REFERENCES AND ASSOCIATED DOCUMENTS**

5.1 33 U.S.C

5.2 40 U.S.C

**6.0 ATTACHMENTS: None.**