



ILLINOIS MARINE TOWING, INC.

LEMONT SHIPYARD

Lemont Shipyards Physical Address - 16600 Des Plaines Rd., Lemont, IL 60439
Lemont Shipyards - Phone: 630-972-2920 Fax: 630-972-2915
Billing Address - 23213 S. Youngs Rd., Channahon, IL 60410

TANK BARGE CLEANING PROCEDURES

1. Prior to Operations

- Ensure barge is tied off and secured to shore properly
 - Ideal configuration would be two towing lines and two backing lines; one of each at the bow and stern.
- Notify supervisor if barge requires ballasting
 - Previous cargo will determine whether ballasting requires a diesel or gas trash pump
- Complete all required documentation.
- Ground the barge
- Ensure all scupper plugs in place.
- Use a five gas PID meter to ensure levels in the tank are acceptable for entry.
 - Use blowers if necessary to ventilate spaces in order to ensure levels are safe for entry.
- Bring diaphragm pump and containment to the best location on the barge or vessel where it will have to be moved the least from the start of the transfer to the end of the transfer. Make sure to ground the pump to avoid static buildup that could spark.
- Position pump along shore with suction hose and stripping foot in the water and the discharge hose going directly into the high pressure wash pump.
- Layout water hose to the tank with enough hose to enter the tank and make it to the farthest corner of the tank.
- String out product hoses from the tank being cleaned to the pump, and from the pump to the used wash water storage tank
 - Ensure that the pump is within containment.
- String out air hoses from air compressor to pump.
 - Do not drag the hose ends on the barge or vessel to prevent sparking.
 - Place locking pins into each fitting connection.
 - Verify that the pump's air valve is closed.



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2. Cleaning Operations

- Wash the walls from the top down and from the far side of the tank to the hatch side of the tank while pushing the water and rust to the suction hose with the brooms and squeegees.
- Upon completion of detergent wash, rinse the tank with fresh water.
- Remove any rust
- Blow tanks liquid free.

3. Cleaning Completion

- Pull the hose from the tank and hold hose over containment while walking out the line to the pump ensuring hoses are empty.
- Secure pumps and air compressors.
- Store all hoses.
- Close all opened hatches and valves.
- Disconnect grounding cable.
- Complete all necessary paperwork.

4. Safety Considerations

- Safety is everyone's responsibility. If you see something, say something.
- Tanks, whether on a barge, on a motor vessel, or on land are confined spaces. Before any entry, tanks must be metered
- Be aware of slips, trips, and falls hazards. Pay special attention when working at night.
- Ensure material condition of hoses is satisfactory.
- Be mindful of spark hazards, such as tools creating a spark. Non-intrinsically safe devices should not be present. The barge should be checked that it is grounded before and transfer procedures are started.
- Make sure the proper PPE is being worn at all times:
- When carrying tools, pumps, and hoses down the barge one should always carry the load on the outboard of the vessel, allowing equipment to fall into the water versus a man overboard.