

April 18, 2018

SETTING 1000bb1 TANKS

PURPOSE/APPLICATION

To protect workers from injuries related to setting 1000bb1 tanks inside containment.

PPE

- CPES minimum requirements

TRAINING

- Crane/Rigging/Hoisting Certification

EQUIPMENT

- 42-ton crane
- Slings/shackles
- Tag lines
- 2-way radio
- Manbasket

HAZARDS & CONCERNS

- Limited eye contact with operator
- Tank swings over containment wall
- Tank sits less than 1m from containment wall
- Tank sits on 3 x 12 planks (tripping hazard)
- Motion (Pinch Point)
- Gravity (slips / falls)
- Electrical
- Explosive/toxic atmospheres

PRECAUTIONS

- Complete Hazard Assessment and implement controls
- Review the lift procedure with all the workers involved in the lift.
- Supervisors are responsible to facilitate and/or provide proper instruction to their workers regarding protection requirements and training.
- Appoint a signal person (typically the crane operator's assistant)
- Assess weather conditions.
- Determine the final position of the tank that is to be lifted.
- Ensure the barricades and warning signs are in place.
- Communicate with all personnel involved regarding the potential hazards.
- Ensure clear communications with equipment operators and all are conversant in the use of proper hand signals.
- Ensure tag lines are utilized and constructed of non-conductive material.
- Ensure atmospheric conditions are monitored (such as; temperature, humidity and wind). These may affect the operator.
- Ensure that the ground is firm and level.
- Determine lift requirements:
 - Determine the weight of the load.
 - Determine the shape and the size of the load.
 - Determine the maximum height and final position of the specific load.



- Determine the center of gravity of the load so the proper length of the slings can be determined.
- Ensure that safety inspections are completed for the equipment and rigging.
- Monitor work area and reassess for any new potential hazards.
- The tag lines being utilized must be constructed of non-conductive material.
- Signal person to have radio contact with operator.
- Use long tag lines so you don't have to cross over the containment
- Stay out from between tank and containment.
- Walk around planks.

REFERENCES / ADDITIONAL INFORMATION

Consider the following steps when planning your tasks:

1. The crane/picker Operator and signaler needs to select position for the crane/picker.
2. Supervisor is to complete the hazard assessment for the task.
3. Crew is to walk through the lift plan and identify any hazards.
4. The signaler is to hook up the slings to the tank using the man basket.
5. Using a 2-way radio to relay signals, all personnel are to stand outside of the swing path of the tank.
6. Once the tank is sitting on its base, the crew needs to move in and assess how the tank should move to rest in its final position.
7. While the tank is lifted approximately 12' off the ground, to be repositioned, the crew is instructed to stay out form between the tank and the containment wall.
8. Once the tank is set, the signaler should remove the slings from the tank.

→ SWP 34 - Crane/Hoist/Lifter

→ SWP 51 – Rigging

→ SWP 41 – Critical Lift

REGULATIONS

No OHS Regulations that apply.

Developed by:	1. HSE Department	2. _____	Date:	March 24, 2009
	3. _____	4. _____		
Revised by:	1. Ray Dawson	2. John Artym	Date:	Aug 25, 2011
	3. Ryan Obleman		Date:	April 18, 2018
