

Safety Considerations

Personal Protective Equipment (PPE)

- ☐ Safety glasses for spills
- ☐ Gloves for lacerations
- ☐ Liquid proof gloves for skin irritations
- ☐ Long sleeve shirts & pants for skin Irritations



Lock Out/Tag Out

When working with electrical equipment (pump/motor), always lock out/tag out the power supply to avoid injury.



Slippery Conditions

Be aware of slippery conditions when performing repairs in unfavorable conditions, salt brine will freeze at lower temps or if it is diluted.



Confined Space

A storage tank is considered a confined space. The tank should have a "CONFINED SPACE - PERMIT REQUIRED" warning label and all OSHA regulations regarding confined spaces should be followed.

DANGER
CONFINED SPACE
PERMIT REQUIRED
DO NOT ENTER

Pinch Points



When working with pump impellers, there is a risk of pump seizure which could lead to digit injury from pinch points and sharp objects.

Sharp Edges

When working with PVC, metal reinforced rubber tubing & steel fittings, please be aware of burrs, sharp edges & broken fittings, each of these issues will give a deep laceration.



Systems Under Pressure

- Piping & hose under pressure can injure a person.
- Make sure all fittings are secure, not loose; fittings that come loose can be a dangerous projectile.
- Piping and hoses that explode, under pressure, can cause internal injury & possibly break bones.



Lifting & Handling Equipment

- When repairing equipment, make sure you have the proper lifting equipment &/or help when replacing parts that have significant weight.
- Use proper rigging, when appropriate:
 - Pre-Lift Plan when lifting/setting storage tanks.
 - Make sure that you have the correct equipment selection based on the final resting place of the storage tanks.



Salt brine weighs an average of 10 pounds per gallon. When using a truck fill station consider the weight of the liquid in 1", 2", or 3" hoses.

2"

=

16 pounds
(1.6 gallons)

3"

=

36 pounds
(3.6 gallons)

USE EXTRA CAUTION when working in bad weather!