



Better worksites  
Better weekends  
Better world

# HOLLWAY PRESENTATION

Sink options for Winter – and Beyond

November 19, 2020 - 3:00-4:25pm

By Derek Pauling



- ▶ **OSHA Standards review for hand washing**
- ▶ **Winter sink option 1 – Creating a sink house w/ existing equipment**
- ▶ **Winter sink option 2 – Hot/Cold water sink installed in a job trailer**
- ▶ **Winter sink option 3 – Sink Trailer inside of a warehouse**
- ▶ **Winter additive options to safely keep fresh water from freezing**
- ▶ **Service considerations for renting and servicing sinks in the winter and beyond**
- ▶ **Questions**

## **OUTLINE - SINK OPTIONS FOR WINTER AND BEYOND**

Standard	Covers	Toilets Required	Hand Wash Required
ANSI/PSAI Z4.3-2016	Anywhere non-sewered sanitation is needed	1 unit per 10 workers if serviced once a week	1 station per 10 toilets
OSHA 1926.51	Construction sites	1 unit per 20 workers which must be maintained in a sanitary condition	Each lavatory shall be provided with hot and cold running water or tepid running water, hand soap or similar cleansing products, and paper or cloth towels or a blow dryer
OSHA 1915.88	Shipyards	Units on a scale beginning with a 1:15 ratio	One unit at or adjacent to each toilet equipped as above
OSHA 1918.95	Longshore workers	No specific number; the standard just states toilet facilities must be "sufficient for the sanitary requirements of employees shall be readily accessible at the worksite"	No specific number; the standard just states, washing facilities must be "sufficient for the sanitary requirements of employees shall be readily accessible at the worksite" and equipped as above

## OSHA STANDARDS HAVE ALWAYS REQUIRED HAND WASHING FACILITIES

## Both of these sinks can be placed in a “sink house”



### LARGE CAPACITY 2 – STATION HAND WASH STATION

- ▶ 30.25"W x 34"D x 47.75"H  
120 pounds empty  
500 pounds full  
45 gallon grey water capacity  
45 gallons fresh water capacity



### 2-Station Sink Standard Capacity

- ▶ 19"W x 30"D x 59"H  
65 pounds empty  
215 pounds full  
22 gallon grey water capacity  
22 gallons fresh water capacity



110V, 15Amps power requirements



# Basic types of hand wash sinks and specifications



## HOT/COLD POTABLE WATER SINGLE HAND WASH STATION

- ▶ 28"W x 20.5"D x 39"H
- 105 pounds empty
- 122 pounds full

110V, 15Amps power requirements

Requires:

Garden hose connection OR  
5 gallon fresh water bottles



Winter Sink Option #2

## ► Basic types of hand wash sinks and specifications

### 16ft. 12 STATION SINK TRAILER

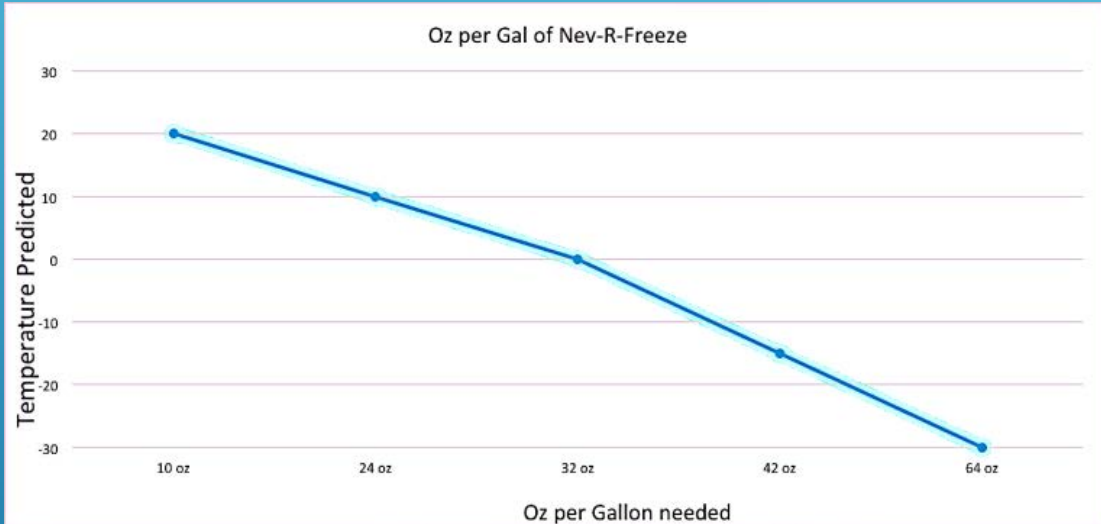


LENGTH: 16', 21' W/ TONGUE  
WIDTH: 8'6"  
HEIGHT: 7'11"  
FRESH: 525 GALLONS  
WASTE: 525 GALLONS  
CAPACITY: 4,000 USES  
WEIGHT: 4,000 LBS. (DRY)  
WEIGHT: 8,200 LBS. (WET)  
TANDEM AXLE: (2) 5,200 LBS.  
TANKLESS WATER HEATER: (2) 60,000 BTU  
STAINLESS STEEL DIVIDERS: 24" X 30"

Sink trailer can be placed inside of a warehouse or heated tent

# Winter additives for use in hand wash sinks

## Option 1 – Nev-r-freeze



## Option 2 – EZ Flow Freshwater Anti-Freezing Concentrate

# MIXING DIRECTIONS

- 26F 10% EZ Flow - 90% Water
- 18F 20% EZ Flow - 80% Water
- 7F 30% EZ Flow - 70% Water
- 8F 40% EZ Flow - 60% Water
- 29F 50% EZ Flow - 50% Water

THESE SOLUTIONS ARE AVAILABLE AND WILL NOT FREEZE AT THE APPROPRIATE MIX LEVELS AND ARE COMPLETELY SAFE TO WASH YOUR HANDS WITH

# SERVICE TRUCK WITH HEATED TANK AND COMPARTMENTS



Heated & Insulated water pump box



Heated and insulated fill hose box

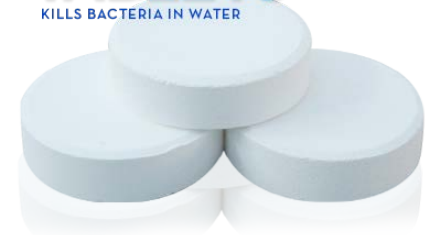


► Each time you service the sink in the field be sure to add chlorine tablets to the tank as you re-fill fresh water. Remember when pumping the grey water to use a different WAND and HOSE from what you use on the toilet

CLEAN WATER –  
CLEAN PUMPING



**CHLORINE  
TABLETS**  
KILLS BACTERIA IN WATER





▶ Questions?

