



# Quick Field Service Guide

**New Construction • Tank Alterations • Existing Tank Repairs**

## Service Trucks Equipped with:

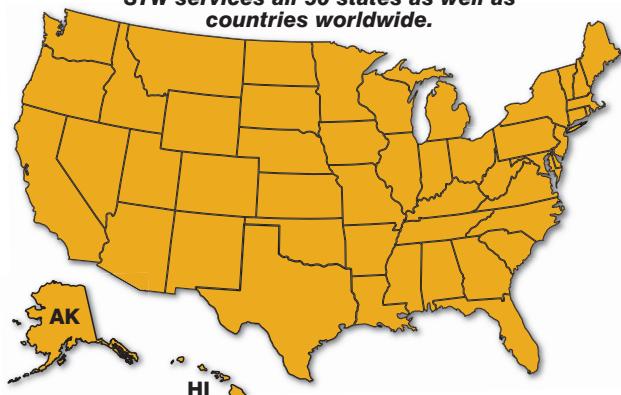
- Diesel Electric Energy
- Welding: GTAW - GMAW - FCAW - SMAW
- Cutting: Oxy Acetylene
- Confined Space Entry Equipment
- General tools for fit up and assembly

## Capabilities:

- Repairs & Modifications
- Field Machining of gasket surfaces
- Tube Rolling & Expansion
- Repair & Re-tray Columns
- Repair & re-tube Heat Exchangers
- New Construction:  
“U” “S” “PP” API650 & API620
- Tank Repairs to API 653
- Code Repairs of Boilers to NBIC
- Code Repairs of unfired pressure Vessels to NBIC
- Root cause failure analysis
- Laser Alignment
- Mass Spectrometer
- Leak Detection
- Agitator Alignment



**STW services all 50 states as well as countries worldwide.**



Boilermakers Union  
Local 667

**SISTERSVILLE TANK WORKS, INC.**  
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# We Build What Others Can't.

## 120 Years of Experience at Work for You.

Big job or small, from start to finish, STW has the facilities, the tools and the know-how to get your project done and shipped on-time, with unsurpassed commitment to quality.

### FACILITIES

Plant area:	62,000 sq. ft. (4,831 sq.m)
	6 acres of laid down yard
Vessel diameters:	20 ft. nominal (6m)
Lifting:	100 tons (90,718 kg)
Rolling:	1 1/8" (2.9 cm) on-site up to 3" (7.6 cm) off-site
Welding:	up to 8" (20 cm)

### EQUIPMENT

Press Brake:	500 tons (453,592 kg)
Plate Shear:	3/8" to 1/2" (0.9 to 1.3 cm)
Milling:	Combination horizontal & vertical
Lathe:	192"(488 cm) centers/40"(102 cm) swing
Drilling:	20" (51 cm) column / 72"- 96" (183 cm - 244 cm) arm
Plate Roll:	1 1/8" (2.9 cm)
Plasma:	1 1/2" (3.8 cm) thick
Threading:	4" (10.2 cm) diameter
Half-Pipe Coil:	up to 6" max. required (15.2 cm)

### CERTIFICATIONS & APPROVALS

#### ASME code:

- "S" stamp for steam boilers
- "U" stamp for pressure vessels & heat exchangers
- "PP" stamp for pressure piping
- "R" stamp for alterations/repairs & retubing

API and MIL I 45208 specifications

National Board Certification

TEMA Certification

Japanese Industrial Standard

Korean Gas Safety Certification

### MATERIALS

Carbon steel • Low alloys  
Nickel • Stainless steels • Inconel  
Hastelloy • Clads • Nickel alloys  
Copper • Aluminum • Titanium  
Zirconium • Polished

### CLEANING/PREPURATION

Solvent cleaning  
Sand blasting  
Passivating  
Painting

### WELDING

SAW • GTAW • GMAW • SCAW

### COATING/LINING

Plasma spray • Rubber • Teflon, etc.

### TESTING

#### *Non-destructive:*

X-ray, magnetic particle, helium leak, dye penetrant and trace element (mass Spectrometer)

#### *Pressure:*

Hydrostatic & pneumatic  
(up to 12,000 PSI)

### TRANSPORTATION

**Truck** - special or common carrier

**Barge** - Special cases.

Direct loading on Ohio River.

**Rail** - local access

**Air** - airports in Pittsburgh, PA,  
Columbus, OH, Parkersburg, WV

**STW provides custom fabrication capabilities to manufacturers, energy producers and others worldwide.**