



# Updates for Shop Built Tanks/Generator Base Tanks



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# About STI/SPFA

## Mission

Promote and unite the steel plate fabricated products industry through **standards development, education, and communication.**



# SP001 Standard for the Inspection of Aboveground Storage Tanks

Provides inspection and evaluation criteria required to determine the suitability for continued service of aboveground storage tanks until the next scheduled inspection.



# SP001 Standard for the Inspection of Aboveground Storage Tanks

- First edition released in 2000
- 6<sup>th</sup> edition released in 2018
- Reviewed every five years



# SP001/SP031 Standards Committee

- Committee formed in August 2022:
  - 8 Shop Fabricated Tank Manufacturers
  - 8 Regulators
  - 6 Owners
  - 2 Component Manufacturers
  - 6 Consultants



# SP001/SP031 Standards Committee

- Public comments were accepted until October 21, 2022
  - SP001: 52 comments received
  - SP031: 16 comments received
- Held monthly meetings since November to discuss comments
- Updated standards to be published in 2023



# SP001 Standard for the Inspection of Aboveground Storage Tanks

- Updated references:
  - i.e. Change MSDS to SDS
  - i.e. Change NACE to AMPP
- Add manway and gauge to the list in section 1.3.5 of SP001 standard
- Revise table 5.5 and definition of portable container to show possible materials of construction for portable container





# SP001 Standard for the Inspection of Aboveground Storage Tanks

- Update all references to "DT" or "DPT" to Penetrant Testing (PT)
- Clarify jacketed tank or insulated tank is not equivalent to double wall
- Update certain figures with additional labeling
- If testing methods that are capable of complete floor coverage are not practical, use equipment that tests individual points



# Assigned Work Groups

- ASTs which store liquids with a specific gravity greater than 1
- Monitoring for water in a tank and interstice
- Microbiologically influenced corrosion
- Review of periodic inspection questions for wide applicability and clarity of questions



# SP031 Standard for Repair of Shop Fabricated Aboveground Tanks

- Protect integrity of tank labeling during repairs or maintenance activity
- Personnel qualified per Authority Having Jurisdiction requirements
- Update certain figures



# Upcoming Webinars

## A Review and Comparison of the STI SP001 and the API 653 AST Inspection Methods

Thursday, December 14, 2023, at 10:00 AM CDT

The presentation will review and compare the STI SP001 and the API 653 Aboveground Storage Tank (AST) inspection methods. Information will be presented about their histories, their differences and when is each applicable.

Registration available at:

[STISPFA.ORG/WEBINARS](https://STISPFA.ORG/WEBINARS)



# STI/SPFA Resources

The screenshot shows the STI/SPFA website homepage. At the top is a blue navigation bar with a 'Logout' link. Below it is a black navigation bar with links for PRODUCTS, FIND A MEMBER, SAFETY, EDUCATION, EVENTS, NEWS, STORE, ABOUT, and JOIN. A banner for the 'Beeline Purchasing Program' is visible, featuring safety gear and the Beeline logo. The main content area has a red heading for 'FIELD ERECTED STORAGE TANKS'. Below this is a 'Find a Member' button. Three featured articles are shown with images and buttons: 'Types of Steel Storage Tanks' (Learn More), 'Century Club' (View Honorees), and 'Field Erected Product Awards' (See Winners).

View resources, industry news, and more at **STISPFA.ORG**

The screenshot shows a newsletter article titled 'TANK TALK' from the 'STEEL TANK INSTITUTE/STEEL PLATE FABRICATORS ASSOCIATION NEWSLETTER'. The article is titled 'Safety Factors in AWWA Water Pipe Design'. It includes an image of workers installing a large pipe. The text discusses safety factors based on design criteria for AWWA standard water pipe. Below the article is a section titled 'STI/SPFA Recently Featured in Business View Magazine' with an image of large storage tanks and a link to 'Read the full article.'

Subscribe to *Tank Talk* to receive updates from STI/SPFA

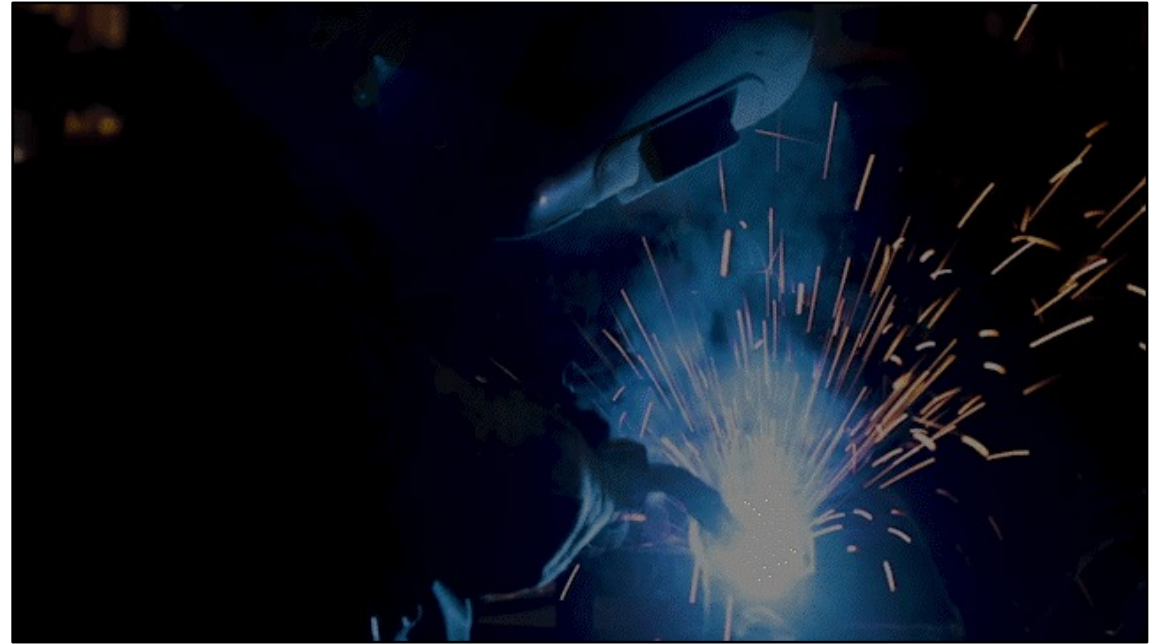


# Social Media and Videos

Follow **@STISPF**A on social media for updates, member news, and more!



Subscribe to STI/SPFA's YouTube Channel for industry updates and information!



# Presenters

**Tim O'Toole**

Executive Vice President  
STI/SPFA

**Steve Pollock**

Director of Technical Services  
STI/SPFA

**Joe Mentzer**

Standards Engineer  
STI/SPFA

**Craig Fletcher**

Principal  
Fletcher Consultants

**Will Holman**

Western Regional Sales Manager  
Morrison Bros Co.

