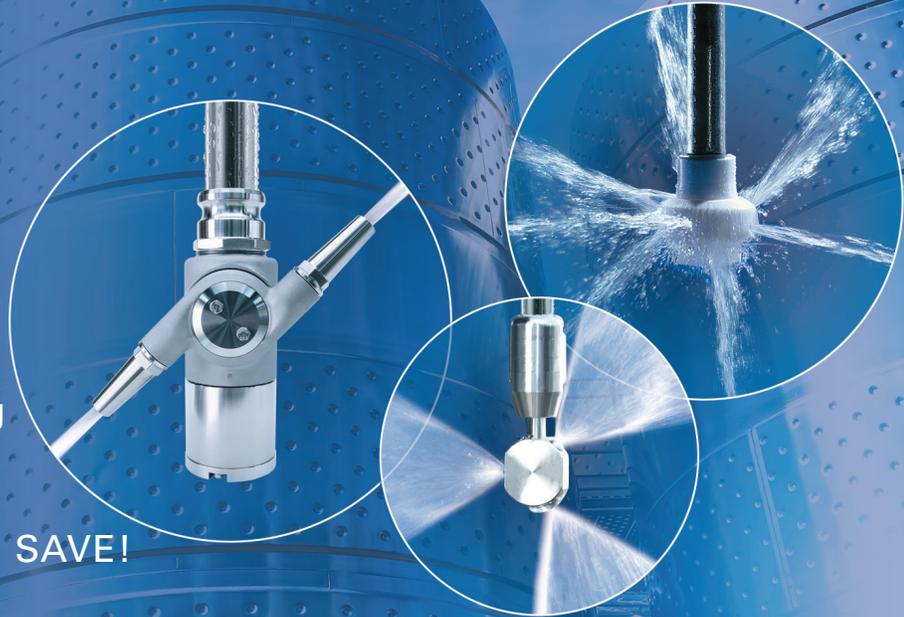**Spray Analysis and Research Services**
From *Spraying Systems Co.*

SPRAYSIM™ TC

TANK CLEANING SOLUTION

A Solution to Tank Cleaning Operations Through Modeling and Optimization

OPTIMIZE, VALIDATE, CLEAN, SAVE!

OPTIMIZING TANK CLEANING OPERATIONS TO REDUCE WASTE AND DECREASE COSTS

SpraySIM™ TC, tank cleaning solution is our proprietary service that uses simulation software to optimize tank cleaning operations. Our advanced simulation software incorporates real spray performance data collected in our laboratory. The results provide an indication of the cleaning effectiveness correlated to the trajectory of the spray and coverage on the inner tank walls and parts, accounting for internal blockages. This data provides information for improved nozzle placement, directly leading to tank cleaning effectiveness.

SpraySIM TC results provide recommendations to optimize processes that are repeatable, reliable, and cost effective.

SpraySIM TC, tank cleaning solution modeling abilities assist with:

EFFICIENCY
- Quicker validation of cleaning processes
- Reduced cleaning time
- Reduced downtime

PRODUCTIVITY
- Faster design and layout of cleaning systems
- Uninterrupted production

CONTROL
- Optimized process and project control

SUSTAINABILITY
- Reduction in fluids consumption
- Less Intervention
- Optimize process virtually prior to spray trials

RELIABILITY
- More robust design
- Early identification of critical cleaning areas

SPRAY**SIM**™ TC
TANK CLEANING SOLUTION

Start optimizing your cleaning process to save money and improve your operations

Geometry Details

Tank #10

Nozzle placement:

Mounting location/port is shown on the 3D-drawings.

Nozzle 1 and Nozzle 2 are installed 16" in depth from the flange to the nozzle as requested.

Mounting Location Port

Nozzle 2

Nozzle 1

Insertion Length: 16"

Submit data: Tank and nozzle information, residue being removed and current concerns.

THE PROCESS

SUPPLY CURRENT TANK CLEANING DETAILS:

• Tank geometry (3D CAD model)

• A description of the residue being removed in the cleaning process

• Current cleaning issues you may be experiencing

WE WILL DELIVER A TANK CLEANING REPORT WHICH WILL PROVIDE:

• Optimal nozzle position to improve cleaning effectiveness, maximize coverage and increase strength of impact

• Supply recommendations for nozzle replacement if needed for expanding critical cleaning areas

• Visualization of the spray coverage resulting from the improved tank cleaning operation

• Detailed summary results

CALL 1.800.95.SPRAY TO LEARN ABOUT OUR SPRAYSIM TC TANK CLEANING SOLUTION

OPTIMIZE, VALIDATE, CLEAN, SAVE!

Minimum Distance from Nozzle (m)

0   1.5   3.0

Simulation results: SpraySIM TC software uses supplied data **to** visualize current and improved spray coverage and impact.

Most of the tank is covered with a proper direct rinsing, except for areas 1 & 2 which are not fully covered.

Validation Report: Provides critical information and visuals to display where coverage is low and how to optimize your cleaning performance.

Spraying Systems Co.®
Experts in Spray Technology

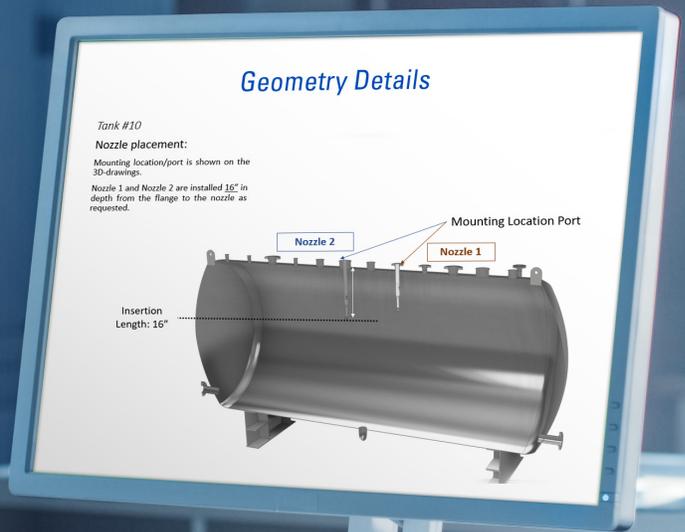North Avenue and Schmale Road, P.O. Box 7900, Wheaton, IL 60187-7901 USA

Tel: 1.800.95.SPRAY   Intl. Tel: 1.630.665.5000
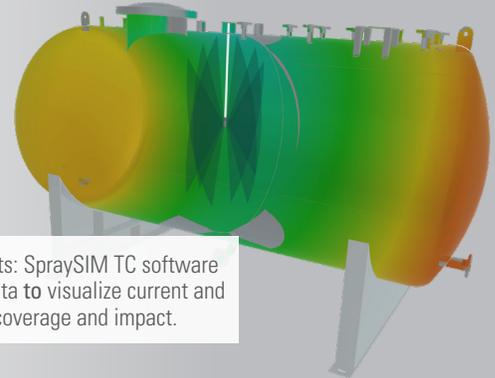Fax: 1.888.95.SPRAY   Intl. Fax: 1.630.260.0842
Email: spray.analysis@spray.com

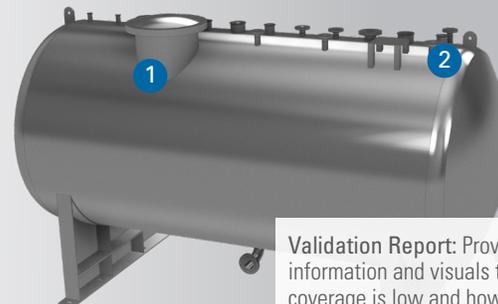www.spray.com   www.sprayanalyis.com   www.sprayscan.com

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