

## BENEFITS OF A PROPERLY TRAINED LABOR FORCE

- ☑ MEET SAFETY REQUIREMENTS, REDUCE JOB SITE ACCIDENTS AND COSTLY DOWNTIME
- ☑ INCREASE COMPETENCY WITH AUTOMATED EQUIPMENT TO MEET "HANDS-FREE" GOALS
- ☑ EXECUTE THE MOST PRODUCTIVE CLEANING METHODS FOR ANY APPLICATION
- ☑ LEVERAGE MORE VALUE OUT OF YOUR EQUIPMENT TO ACHIEVE OPTIMAL RESULTS ON EVERY JOB
- ☑ DELIVER THE MOST EFFECTIVE AND EFFICIENT CLEANING TECHNIQUES, RESULTING IN CONSISTENTLY CLEANER EQUIPMENT AND HIGHER PRODUCTIVITY RATES

Our training program draws on forty years of waterjet engineering and industry expertise to provide exclusive insight on specialized topics, helping you to achieve the most efficient and effective job results.

StoneAge can customize training for your personnel. We can also work with you to identify the best methods and equipment to meet your specific cleaning needs.

StoneAge is an accredited training provider for the Water Jetting Association (WJA) and can deliver WJA safety training, where applicable.



## CONTACT US TO BOOK

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WWW.STONEAGETRAINING.COM

# STONEAGE TRAINING

For Industrial Cleaning Professionals



## COURSE OFFERING



WWW.STONEAGETRAINING.COM

## THE ONLY TRAINING CURRICULUM THAT GOES BEYOND THE BASICS OF CLEANING

We provide in-depth classroom and hands-on practical training, incorporating techniques gathered over 40 years of industry leadership.

- Increase workforce safety, productivity and retention
- Meet plant safety requirements and bid more jobs
- Reduce risk and costly downtime



## COURSE OVERVIEW

### DAY 1

#### WATERJETTING SAFETY

Fundamental waterjetting safety concepts for operators and crew leaders.

##### COURSE CONTENTS

Safety overview
General waterjetting concepts
Safety legislation
High pressure equipment overview
Pump overview, safety systems, filtration
Gun types and precautions, jetting gun nozzles
Introduction to waterjet forces
Reaction force, standoff distance, speed of travel, jet angles, pressure loss
Hose safety
Calibration of jetting nozzles/jets
Equipment best practices, what to avoid
Hot & cold weather operation considerations
Job site considerations
Personal Protective Equipment (PPE)
Barricades
Team composition
Safety checks
Code of signals
Waterjet injury prevention
Nature of the injury - how waterjet cuts differ from other injuries
Waterjet cut prevention checklist
Incident examples and corrective actions

## RECOMMENDED PRACTICES FOR WATERJET APPLICATIONS

Explores the application of waterjetting for different types of cleaning. Each application is covered in detail, including choice of tooling and automated equipment, job preparedness & optimization, and safety considerations.

##### COURSE CONTENTS

Drain and Sewer Cleaning
Pipe Cleaning
Tube Cleaning
Tank and Vessel Cleaning
Surface Cleaning and Preparation
Hydrodemolition

### DAY 2

#### WATERJETTING SCIENCE AND TECHNIQUE

This course provides a deeper understanding of the science of waterjetting and how to apply physical concepts to optimal job efficiency.

##### COURSE CONTENTS

Understanding pressure for waterjetting
Material jettability
Optimizing waterjet power
Harnessing the power of the pump
Quality jetting: nozzle materials and design
Upstream conditions and jet impact
Managing pressure loss
Benefits of rotation
Fitting and hose identification

#### HANDS-ON PRACTICAL

Enforce what's been learned with instructor-led exercises and hands-on practice. Training will be enhanced by working with fellow students, problem-solving, and assessment as a team.

**TRAINING CAN BE TAILORED TO THE SPECIFIC NEEDS OF YOUR COMPANY AND DELIVERED ON SITE OR AT STONEAGE FACILITIES.**

Get more information and schedule training on our website:  
[www.stoneagetaining.com](http://www.stoneagetaining.com)