

## ABOUT NASSCO



NASSCO is a non-profit trade association that exists for the benefit of its members. The members benefit directly through:

Networking/Marketing Opportunities at organized meetings

Development of Industry Standards

Participation in Government Grant Programs

Development of Critical Industry Information Disseminated through Periodicals, Reports, Books and Other Means.

Participation in the Shaping of National Regulations

Sponsorship and Participation in Numerous Industry Trade Shows and Seminars.

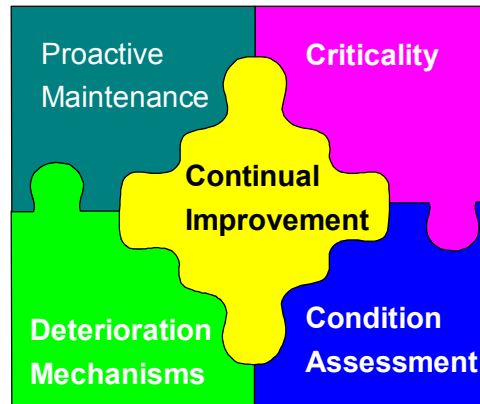
Access to Dated Marketing Information.

As a NASSCO member you will have information when you need it to make decisions critical to the planning process involving your company. You will be involved in developing relevant standards and promotional information that will directly affect you and your company's future in the Underground Infrastructure Industry. This is your chance to make a difference for you, your company and your industry! Join NASSCO online at [www.nassco.org](http://www.nassco.org) or call us today at 410-486-3500.

## OTHER SERVICES

White Rock Consultants offers specialized services for the planning, management and implementation of infiltration/inflow reduction and TV inspection programs. Services include:

- ◆ PACP Implementation, Management, and Quality Control.
- ◆ Training and Data Analysis for In-House I/I Programs
- ◆ Replacement Prioritization and Probability of Failure
- ◆ Retrofitting of video into digital PACP compliant format
- ◆ I/I Report Consolidation and Special Projects



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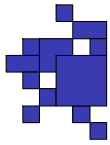
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# PIPELINE ASSESSMENT AND CERTIFICATION PROGRAM (PACP) TRAINING



Offered by





## Description of Course

The Pipeline Assessment and Certification Program (PACP) was developed by the sewer rehabilitation trade organization NASSCO (Nassco.org). The PACP established a standard practice for describing observations seen during internal inspection of sewer pipes. Once observations are standardized, utilities will be better able to use inspection data from many sources over a long period of time to improve the management of their collection systems.

The PACP Training is a two day course as follows:

### Day One

- Background to Condition Assessment
- Discussion of Deterioration Mechanisms
- Overview of Coding
- Header Section Instructions
- Details Section Instructions

### Day Two

- Structural Codes
- Operation and Maintenance Codes
- Construction Codes
- Miscellaneous Codes
- Review
- Certification Test

## More Than Standardized Codes and Training

**NASSCO recognized that other elements of TV inspection also needed to be established in addition to standard codes and training. PACP also includes:**

**Standard PACP Data Format:** The establishment of a neutral data interchange format will allow data from different applications to be exchanged and appended without the use of proprietary conversion scripts.

**Certification of Software Vendors:** NASSCO certification of software will assure the Owner that the software properly utilizes the PACP codes and the software has the ability to export and import descriptive data in the Standard PACP Data Format.

**Condition Grading:** A process for evaluating the relative severity of defects and segments was developed to be used as a guidance on which lines need closer evaluation

**Manhole Assessment and Certification Program (MACP):** The same need exists for standardization of manhole condition assessment and NASSCO has established the MACP that utilizes many of the standard practices of PACP to describe conditions found in manholes

**Quality Control/Quality Assurance:** A process where randomly selected PACP inspections are checked for accuracy to insure a high level of accuracy is maintained.

Classes can be held at your site to save on travel time and expense. Classes are also scheduled throughout the year. Contact us to find out where the next class will be held.

**MACP Training** and a one day **Advanced PACP Implementation Training** is also available from White Rock Consultants.

## Why PACP

Greatly needed in the wastewater collection system industry is the ability to benchmark sewer pipe condition. If different coding systems are used within a particular utility it is difficult to compare the condition of sewer segments since the definitions of the coding differs. Combining data from different CCTV software programs can also be problematic since the database structures would likely be incompatible. However, if we adopt standard codes and data management practices, we can not only benchmark sewer pipe conditions within a utility, we can also compare sewer pipe conditions from one time frame to another and from utility to another.

## Meet the Trainer

Rod Thornhill, PE has more than 30 years experience in sewer system assessment. He is chairperson of the NASSCO PACP committee and has trained several hundred PACP Users since the completion of PACP in 2002.

Mr. Thornhill is PACP User certified and a PACP and MACP Master Trainer

