

# PACP Course Content

Instructor - Al Berkner, Certified PACP Trainer

## September 7, 2016

9:00 AM—3:00 PM

*Module 1 - Introduction*

*Module 2 - Background to technical Issues*

*Module 3 - Overview of Condition categorization*

*Module 4 - Standard CCTV inspection Form -  
Header Section*

*Module 5 - Standard CCTV inspection Form -  
Details Section*

*Module 6 - Observation and Defect Coding*

## September 8, 2016

8:00 AM - 2:00 PM

*Module 6 (Cont.)*

*Operational and Maintenance Defects*

*Construction Features*

*Miscellaneous Features*

*Course Review*

*Sample Coding*

*PACP Practical Tests*



IAWEA

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Collections System Committee

**Pipeline Assessment  
and  
Certification Program  
(PACP)**

“Previously, Assessment and coding was how each individual operator interpreted the condition of the sewer”

**NOW...there is an industry standard for the collection of pipe inspection data, certification of operators, and sharing of information.**

**September 7-8, 2016  
Best Western Regency Inn  
3303 S. Center Street  
Marshalltown, IA  
Reservations 800-241-2974**

## The Need for Pipeline Inspection Standards

TV Inspection is an essential tool in evaluating the condition of sanitary sewers, however no standards for the collection of TV inspection data exists in the United States. The lack of standards presents many problems for utilities including inconsistent interpretation of conditions, inadequate training of personnel, and difficulty in the integration of data from different sources.

The National Association of Sewer Service Companies (NASSCO) has recognized the need for standardization in the way we evaluate sewer pipelines and has initiated the Pipeline Assessment and Certification Program®.

(PACP®) The PACP® will establish standards for the assessment of information obtained from TV inspection, provide training and certification of operators, and establish standards for the way the data is exchanged and mapped.

# IAWEA

## Summary of PACP®

**Development of Standard Codes:** NASSCO is assisted by the Water Research Centre (WRC) in updating the Manual of Sewer Classification Third Edition as a US standard. PACP® is considered to be the 4th Edition of the original WRC codes.

**Training and Certification of Users:** Attendees who successfully complete the course will obtain a PACP® certification number that will be part of the TV inspection history.

**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 descriptive data to the Standard PACP® Data Format.

**Mapping Symbology Standards:** PACP® Mapping Symbology Standards will establish color and line-type for use in mapping basic parameters such as diameter, pipe material, depth, and condition ratings.

**Condition Ratings:** Algorithms and weighting factors are used to convert the descriptive data developed from the PACP® codes into general categories of pipe condition that will focus attention on the sewer segments that need further evaluation and consideration for renewal or replacement.

## PACP® Training

Sign up On-Line by August 29, 2016

	Price
<input type="checkbox"/> PACP Training - IAWEA Member	\$750.00
<input type="checkbox"/> PACP Training - Non-member	\$800.00

Note: PACP Exam and CEU's Included in Price  
Subtotal \_\_\_\_\_

**FIRST COME, FIRST SERVE! Class size is limited to 15. Pre-registration is required! Register Online at [www.iawea.org](http://www.iawea.org) on or before August 29, 2016. Registration fee includes lunch and snack breaks on both days Make Checks payable to IAWEA, Mail Payments to: IAWEA, c/o Ames WPC Plant, 56797 280th St., Ames, IA 50010.**

**For more questions regarding PACP contact: Roger McFarland at 515-965-6483 or email at [rmcfarland@ankenyiowa.gov](mailto:rmcfarland@ankenyiowa.gov)**

