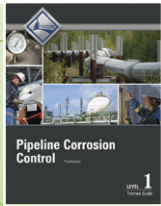


# Pipeline Corrosion Control

## L1 PIPELINE CORROSION CONTROL



LEVEL 1

### Curriculum Notes

- 105 Hours
- Revised: 2017, Third Edition
- Downloadable instructor resources that include module tests, PowerPoints®, and performance profile sheets are available at [www.nccer.org/irc](http://www.nccer.org/irc).
- Available as print on demand
- To purchase individual covered task Modules, please visit [www.nccer.org/pipeline-program](http://www.nccer.org/pipeline-program)

### PAPERBACK

Trainee Guide: \$104.99

ISBN

978-0-13-470520-0

### MODULES

The modules listed below are included in the Trainee Guide. The following ISBNs are for ordering individual modules only.

#### Abnormal Operating Conditions - Control Center (5 Hours)

ISBN 978-0-13-472782-0

(Module ID AOCCC-17) Introduces the abnormal operating conditions that can occur on a pipeline or in a pipeline facility. Explains how to recognize and react to abnormal operating conditions from the control center and the necessary documentation and notifications that must be completed when responding to these conditions.

#### Abnormal Operating Conditions - Field and Gas (5 Hours)

ISBN 978-0-13-472784-4

(Module ID AOCFG-17) Provides an overview of the types of abnormal operating conditions (AOCs) that may occur on the pipeline or in company facilities. Appropriate responses to AOCs are covered with a focus on following company policy to protect lives and pipeline equipment. Also covered are the reports required by federal law.

#### Verify Test Lead Continuity (5 Hours)

ISBN 978-0-13-472094-4

(Module ID CT2\_1-17)

#### Repair Damaged Test Leads (5 Hours)

ISBN 978-0-13-472091-3

(Module ID CT2\_2-17)

#### Install Test Leads by Non-Exothermic Welding Methods (5 Hours)

ISBN 978-0-13-472089-0

(Module ID CT2\_3-17)

#### Install Test Leads by Exothermic Welding Methods (5 Hours)

ISBN 978-0-13-472087-6

(Module ID CT2\_4-17)

#### Obtain a Voltage and Current Output Reading from a Rectifier to Verify Proper Performance (5 Hours)

ISBN 978-0-13-472086-9

(Module ID CT3\_0-17)

#### Troubleshoot Rectifier (5 Hours)

ISBN 978-0-13-472083-8

(Module ID CT4\_1-17)

#### Repair or Replace Defective Rectifier Components (5 Hours)

ISBN 978-0-13-472081-4

(Module ID CT4\_2-17)

#### Adjustment of Rectifier (5 Hours)

ISBN 978-0-13-472080-7

(Module ID CT4\_3-17)

#### Examine for Mechanical Damage on Buried or Submerged Pipe (5 Hours)

ISBN 978-0-13-472076-0

(Module ID CT5\_1-17)

#### Examine for External Corrosion on Buried or Submerged Pipe (5 Hours)

ISBN 978-0-13-472074-6

(Module ID CT5\_2-17)

#### Inspect the Condition of External Coating on Buried or Submerged Pipe (5 Hours)

ISBN 978-0-13-472072-2

(Module ID CT5\_3-17)

#### Visual Inspection of Atmospheric Coatings (5 Hours)

ISBN 978-0-13-472070-8

(Module ID CT7\_1-17)

#### Prepare Surface for Atmospheric Coating Using Hand and Power Tools (5 Hours)

ISBN 978-0-13-472067-8

(Module ID CT7\_2-17)

#### Prepare Surface for Coating by Abrasive Water Blasting (5 Hours)

ISBN 978-0-13-472065-4

(Module ID CT7\_3-17)

#### Prepare Surface for Coating by Abrasive Blasting Media Other Than Water (5 Hours)

ISBN 978-0-13-472063-0

(Module ID CT7\_4-17)

#### Apply Coating Using Hand Application Methods (5 Hours)

ISBN 978-0-13-472059-3

(Module ID CT7\_5-17)

#### Apply Coating Using Spray Application (5 Hours)

ISBN 978-0-13-472060-9

(Module ID CT7\_6-17)

#### Perform Coating Inspection (5 Hours)

ISBN 978-0-13-471021-1

(Module ID CT7\_7-17)

#### Visually Inspect Internal Pipe Surface (5 Hours)

ISBN 978-0-13-472096-8

(Module ID CT12\_0-17)

## L2 PIPELINE CORROSION CONTROL

LEVEL 2

### Curriculum Notes

- 90 Hours
- Revised: 2017, Third Edition
- Downloadable instructor resources that include module tests, PowerPoints®, and performance profile sheets are available at [www.nccer.org/irc](http://www.nccer.org/irc).
- Available as print on demand
- To purchase individual covered task modules, please visit [www.nccer.org/pipeline-program](http://www.nccer.org/pipeline-program)

### PAPERBACK

Trainee Guide: \$104.99

ISBN

978-0-13-471651-0

### MODULES

The modules listed below are included in the Trainee Guide. The following ISBNs are for ordering individual modules only.

#### Abnormal Operating Conditions - Field and Gas (5 Hours)

ISBN 978-0-13-472784-4

(Module ID AOCFG-17)

#### Measure Structure-to-Soil Potentials (5 Hours)

ISBN 978-0-13-471023-5

(Module ID CT1\_1-17)

#### Conduct Close Interval Survey (5 Hours)

ISBN 978-0-13-471024-2

(Module ID CT1\_2-17)

#### Test and Detect Interference (5 Hours)

ISBN 978-0-13-471026-6

(Module ID CT1\_3-17)

#### Inspect and Perform Electrical Test of Bonds (5 Hours)

ISBN 978-0-13-471028-0

(Module ID CT1\_4-17)

#### Inspect and Test Electrical Isolation (5 Hours)

ISBN 978-0-13-471030-3

(Module ID CT1\_5-17)

#### Measure Pit Depth with Pit Gauge (5 Hours)

ISBN 978-0-13-471040-2

(Module ID CT8\_1-17)

Continued on following page

## Pipeline Corrosion Control Level 2 (continued)

### **Measure Wall Thickness with Ultrasonic Meter**

*(5 Hours)*

ISBN 978-0-13-471042-6

(Module ID CT8\_2-17)

### **Measure Corroded Area** *(5 Hours)*

ISBN 978-0-13-471044-0

(Module ID CT8\_3-17)

### **Install Bonds** *(5 Hours)*

ISBN 978-0-13-471045-7

(Module ID CT9\_1-17)

### **Install Galvanic Anodes** *(5 Hours)*

ISBN 978-0-13-472108-8

(Module ID CT9\_2-17)

### **Install Rectifiers** *(5 Hours)*

ISBN 978-0-13-472110-1

(Module ID CT9\_3-17)

### **Install Impressed Current Groundbeds** *(5 Hours)*

ISBN 978-0-13-472116-3

(Module ID CT9\_4-17)

### **Repair Shorted Casings** *(5 Hours)*

ISBN 978-0-13-472114-9

(Module ID CT9\_5-17)

### **Install Electrical Insulating Device** *(5 Hours)*

ISBN 978-0-13-472117-0

(Module ID CT9\_6-17)

### **Insert and Remove Coupons** *(5 Hours)*

ISBN 978-0-13-471033-4

(Module ID CT10\_1-17)

### **Monitor Probes (Online)** *(5 Hours)*

ISBN 978-0-13-471034-1

(Module ID CT10\_2-17)

### **Monitoring and Controlling the Injection Rate of the Corrosion Inhibitor** *(5 Hours)*

ISBN 978-0-13-471037-2

(Module ID CT11\_0-17)