

THE 54TH ANNUAL CORROSION CONTROL COURSE

Presented in cooperation with:



Providing fundamental training for corrosion control personnel, including methods and instrumentation or corrosion assessment and control.

Featuring specific, independent instructional tracks for external and internal corrosion control as well as a track for Pipeline Integrity and Production... all designed to assist corrosion control personnel meet DOT Operator Qualification requirements.

TRACK PROGRAM CERTIFICATION

To meet our goal of providing basic instruction for corrosion control, a specific curriculum has been developed for each track. These programs can be used to assist corrosion control personnel in meeting DOT Operator Qualification requirements. Those participants wishing to receive Certification of Successful Completion for either the External Corrosion Control Program, Internal Corrosion Control Program, Pipeline Integrity-Corrosion Control Program, or the Corrosion in Production Program will be required to attend classes and to take a test on Friday morning.

ADVANTAGES OF CERTIFICATION

- Record of certification maintained by the University of Oklahoma
- Certificates issued by the University of Oklahoma College of Continuing Education
- Certificate of participation (must attend to receive)
- Certificate of Successful Completion of Course (must attend and receive 70% or higher score on the exam)
- Laminated, signed and dated wallet-sized card to certify successful completion of the course
- Assists in meeting DOT Operator Qualification requirements

The Certification of Successful Completion exam will be administered Friday, January 27, 2006. Cost for exam: \$60

SPECIAL BONUS

1. The reference book Basic Course Appalachian Underground Corrosion Short Course will be included for all registrants who sign up to test for the external corrosion control certification track.
2. Lunch will be provided Wednesday and Thursday.

EXHIBITORS

Manufacturers and their representatives will be on hand to demonstrate the latest technologies and industry trends. A list of companies and their locations will be available to assist you in taking advantage of this unique learning opportunity.

CONFERENCE ACCOMMODATIONS

Sooner Hotel & Suites: 405.329.2270
www.housing.ou.edu/soonerhotel
Sooner Hotel & Suites provides on-campus housing within walking distance of the course site.

Local Area Accommodations:

Hampton Inn 405.366.2100 Residence Inn 405.366.0900
La Quinta Inn 405.579.4000 Holiday Inn 405.364.2882

PIPELINE INTEGRITY: CORROSION ASSESSMENT TRACK

WEDNESDAY, JANUARY 23

7:00-8:00am REGISTRATION

8:00-8:15am
WELCOME & INTRODUCTIONS

8:15-8:45am
NACE

8:45-10:00am
FEDERAL REGULATION-CORROSION CONTROL
A brief review of the regulations for corrosion control contained in 49 CFR Part 192. Subpart 1 for gas pipelines and 49 CFR Part 195 Subpart H for hazardous liquid pipelines.

10:30-12:00noon
PIPELINE INTEGRITY OVERVIEW
Liquid & gas pipeline applications-In line inspection, Hydrostatic Testing, External Corrosion Direct Assessment (ECDA), Internal Corrosion Direct Assessment (ICDA), Stress Corrosion Cracking (SCC).

12:00-1:15pm LUNCH

1:15-3:00pm
PRE & POST ASSESSMENT FOR GAS AND LIQUID PIPELINES
Pre-assessment step-gathering pertinent historical pipeline information to proceed with an effective direct assessment plan. Post-assessment step: Analysis of testing data to judge effectiveness of direct assessment, define corrosion growth rate and set reassessment schedules.

3:30-5:00pm
INDIRECT INSPECTION (CIS, DCVG, PCM, GPS) FOR GAS & LIQUID PIPELINES

5:15pm
EXHIBITOR RECEPTION

THURSDAY, JANUARY 24

8:30-10:00am
DIRECT EXAMINATION GAS & LIQUID PIPELINES

10:30-12:00noon
IN LINE INSPECTION

12:00 – 1:15pm LUNCH

1:15-3:00pm
INTERNAL CORROSION DIRECT ASSESSMENT (ICDA) AND STRESS CORROSION CRACKING (SCC)

3:30-4:30pm
REVIEW SESSION

FRIDAY, JANUARY 25

8:30-10:00am
RECORD KEEPING FOR PIPELINE INTEGRITY

10:30-12:00noon
TEST

INTERNAL CORROSION TRACK

WEDNESDAY, JANUARY 23

7:00-8:00am
REGISTRATION

8:00-8:15am
WELCOME & INTRODUCTIONS

8:15-8:45am
NACE

8:45-10:00am
FEDERAL REGULATION-CORROSION CONTROL
A brief review of the regulations for corrosion control Contained in 49 CFR Part 192. Subpart 1 for gas pipelines and 49 CFR Part 195 Subpart H for hazardous liquid pipelines.

10:30-12:00noon
LABORATORY AND FIELD TESTING

12:00-1:15pm
LUNCH

1:15-3:00pm
THE ROLE OF BACTERIA IN CORROSION

3:30-5:00pm
INTERNAL CORROSION MECHANISMS

5:15pm
EXHIBITOR RECEPTION

THURSDAY, JANUARY 24

8:30-10:00am
FAILURE IDENTIFICATION FOR FIELD PERSONNEL

10:30-12:00noon
CHEMICAL TREATMENT

12:00-1:15pm
LUNCH

1:15-3:00pm
PIGGING FOR CORROSION CONTROL

3:30-4:30pm
REVIEW SESSION

FRIDAY, JANUARY 25

8:30-10:00am
CORROSION MONITORING & RECORD KEEPING

10:30-12:00noon
TEST

EXTERNAL CORROSION TRACK

WEDNESDAY, JANUARY 23

7:00-8:00am
REGISTRATION

8:00-8:15am
WELCOME & INTRODUCTIONS

8:15-8:45am
NACE

8:45-10:00am
FEDERAL REGULATION-CORROSION CONTROL
A brief review of the regulations for corrosion control contained in 49 CFR Part 192. Subpart 1 for gas pipelines and 49 CFR Part 195 Subpart H for hazardous liquid pipelines.

10:30-12:00noon
INTRO TO CORROSION & CATHODIC PROTECTION

12:00-1:15pm
LUNCH

1:15-3:00pm
PRACTICAL ELECTRICITY FOR CATHODIC PROTECTION APPLICATIONS CONTINUED

3:30-5:00pm
INSTALLATION OF CONVENTIONAL AND DEEP GROUND BEDS PLUS CATHODIC PROTECTION AND IR DROP

5:15pm
EXHIBITOR RECEPTION

THURSDAY, JANUARY 24

8:00-10:00am
RECTIFIER FUNDAMENTALS, OPERATION AND MAINTENANCE

10:30- 12:00noon
CATHODIC PROTECTION INSTRUMENTS

12:00-1:15pm
LUNCH

1:15-5:00pm
FIELD DEMONSTRATION

FRIDAY, JANUARY 25

8:00-9:30pm
REVIEW FOR TEST

10:00-12:00noon
TEST

CORROSION IN PRODUCTION TRACK

WEDNESDAY, JANUARY 23

7:00-8:00am
REGISTRATION

8:00-8:15am
WELCOME & INTRODUCTION

8:15- 8:45am
NACE

8:45-10:00am
FEDERAL REGULATIONS-CORROSION CONTROL
A brief review of the regulations for corrosion control contained in 49 CFR Part 192. Subpart 1 for gas pipelines and 49CFR Part 195 Subpart H for hazardous liquid pipelines.

10:30-12:00noon
CORROSION AND INTERRELATED SUBJECTS (SCALE, EMULSION, EROSION ETC.)

12:00-1:00pm
LUNCH

1:00-3:00pm
LIFT METHODS AND SURFACE EQUIPMENT (OIL WELLS, GAS WELLS, CONVENTIONAL AND UNCONVENTIONAL TYPES)

3:30-5:00pm
CATHODIC PROTECTION FOR CASINGS, FLOW LINES AND SURFACE EQUIPMENT

5:00pm
EXHIBITOR RECEPTION

THURSDAY, JANUARY 24

8:00-10:00am
WATER SLIDE CORROSION-IDENTIFICATION AND CONTROL METHODS

10:30-12:00noon
MICROBIOLOGICALLY INFLUENCED CORROSION

12:00 – 1:00pm
LUNCH

1:00-3:00pm
PETROLEUM RECOVERY BASICS FOR PRODUCTION

3:30-5:00pm
CORROSION PRODUCTION MONITORING

FRIDAY, JANUARY 25

8:00-10:00am
CORROSION PRODUCTION CASE STUDIES

10:30-12:00noon
TEST

REGISTER ONLINE:

WWW.ENGR.OUTREACH.OU.EDU/CORROSION

Questions? Call Leon Crowley at 405.325.1217