

Internal Corrosion Workshop Agenda

Presenters Bruce Cookingham and Rick Eckert, DNV GL

NACE Detroit Section

9:30 to 10:00 am | Registration and Coffee

Morning Session

10:00 to 10:10 am | **Introduction to the Workshop**

10:10 to 10:45 am | **Identifying the Cause of Internal Corrosion**

- Examine different examples of corroded pipe
- Make meaningful observations and conclusions
- Use a checklist for collecting supporting information

10:45 to 11:20 am | **Monitoring Corrosion with Coupons**

- Examine different types of corrosion damage on coupons
- Learn different forms/types of coupons and where used
- Know what coupons really reveal about operating conditions

11:20 to 11:50 am | **Moisture in gas: how much water is there?**

- Know the sources of water and free liquids
- Calculate the volume of water present
- Consider how long the water remains in the pipeline

12:00 to 12:50 pm | **Lunch**

Afternoon Session

12:50 to 1:20 pm | **Liquid Sampling: Is water present?**

- Practice testing "difficult" samples for water
- Tricks for determining if water is present
- Learn proper sampling and preservation methods

1:20 to 1:55 pm | **Workshop 1: Where is the corrosion in my pipeline system?**

- Learn basics of internal corrosion threat assessment
- Apply your knowledge in a case study
- Consider why others might take a different approach

1:55 to 2:50 pm | **Workshop 2: What should I do about the corrosion?**

- Determine the monitoring methods that should be used
- Identify a practical prevention and mitigation strategy
- Apply your knowledge to a realistic case study

2:50 to 3:00 pm | **Closing: Resources for additional information and support**

- NACE Courses and publications, Other resources