



ICORR ABERDEEN BRANCH

Tuesday 27th June 2023, Start Time: 18:00 (UK Time)

Online Presentation Only

Zoom Registration:

https://us06web.zoom.us/webinar/register/WN_XnFaY13US1alqqJGYtgK1Q

Event is Free of Charge to attend.

Direct Assessment for Unpiggable Pipelines

Speaker: Dirk L van Oostendorp - Corrpro

Event Programme:

17:50 – 18:00 Webinar Login / Set-Up.
18:00 – 18:15 Introductions ICorr
18:15 - 18:30 Annual General Meeting
18:30 – 19:10 Technical Presentation
19:10 – 19:20 Q&A Session
19:20 – 19:25 Closing Remarks ICorr

The Talk:

Direct assessment for unpiggable pipelines

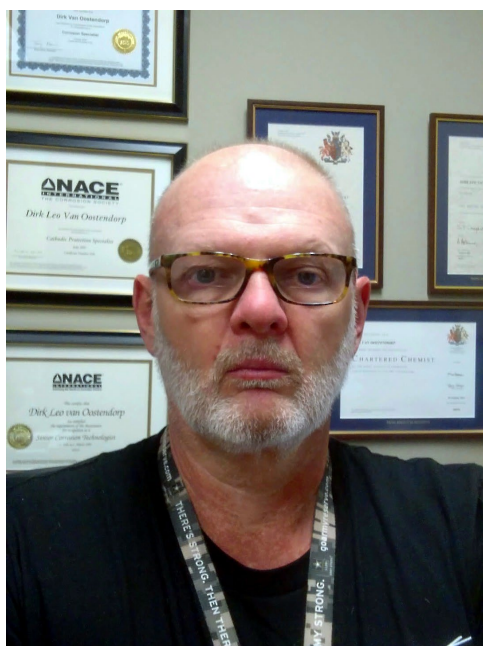
Based on Federal laws signed in 2001, pipeline operators in the USA were required to develop a proactive Pipeline Integrity Management Plan (IMP) intended to manage risk and protect the public in areas near operational pipelines. Inline inspection (ILI) was the preferred methodology to inspect pipelines, and hydrostatic testing was the alternative.

The majority of North American natural gas transmission pipelines were not constructed to permit inspection using intelligent tools (ultrasonic, magnetic flux leakage). This was due to the lack of launching and receiving facilities, but also throughput requirements, varying (telescopic) diameters, short-radius or wrinkle bends, reduced-port valves, or branch connections. In order to adequately ensure the structural integrity of these pipelines, some alternative form of condition determination and evaluation was required.

The Interstate Gas Association of America, together with the Gas Technology Institute, assembled an expert team to address this issue. The result was the development of an alternate inspection methodology, coined Direct Assessment, which made use of a combination of proven techniques.

NACE International (currently AMPP), as the industry representative, was called upon to develop standard procedures to govern the correct implementation of Direct Assessment and provide guidance for practitioners. Early in the development process, it was noted that the methodology needed to be segmented in order to address differing integrity threats, and External Corrosion Direct Assessment (ECDA), Internal Corrosion Direct Assessment (ICDA) and Stress-Corrosion Cracking Direct Assessment (SCCDA) resulted. NACE initially published RP0502 for ECDA in 2002, and other standard practices for the other methodologies followed. As living documents, these standard practices are subjected to peer review every 4-6 years.

This presentation discusses the four (4) steps in the Direct Assessment methodology, highlight success factors, shares results from actual projects and assesses challenges that can be encountered during implementation.



Biography: Dirk L. van Oostendorp is Director of Engineering & Technical Services for Corpro, based in Houston, TX. Van Oostendorp has more than 40 years of global experience in all aspects of pipeline and structural integrity, encompassing cathodic protection, corrosion control, material selection, protective coatings, inspection technologies and risk assessment. More recent experience includes integrity monitoring, failure analysis and pipeline integrity issues.

Van Oostendorp holds undergraduate and graduate degrees in chemical technology and physical chemistry. He is a Fellow of the Royal Society of Chemistry, Fellow of the Institute of Corrosion and a NACE Corrosion Specialist.

He was a member of the original INGAA-Battelle team that developed what has now become the Direct Assessment methodology

Qualifications :

- Chartered Chemist, Royal Society of Chemistry
- Fellow, Institute of Corrosion
- Corrosion Specialist, AMPP (formerly NACE International)
- Cathodic Protection Specialist, AMPP (formerly NACE International)

Additional Information:

- Registration for this event may close hours before the start.
- If this is an online event you must register and acquire the Zoom Link to attend.
- Registration information will be shared with our Branch volunteers to help facilitate the event.

For Continuing Professional Development (CPD) or to join our Mailing List, request by email to: ICorrabz@gmail.com

Event Sponsors (ICorr):

We gratefully acknowledge all our loyal - [ICORR ABERDEEN BRANCH SPONSORS](#)



OUR ICORR COMPANY SPONSORS

- CAN (OFFSHORE) LTD
- CHEMCO INTERNATIONAL LTD
- CORRPRO COMPANIES EUROPE
- HEXIGONE INHIBITORS LTD
- HODGE CLEMCO LTD
- ICR INTEGRITY LTD
- INFRASTRUCTURE ANALYTICS LIMITED
- LAKE CHEMICALS & MINERALS LIMITED
- MILLER FABRICATIONS LTD
- OWENS CORNING FOAMGLAS INDUSTRY
- PLANT INTEGRITY MANAGEMENT LIMITED
- PMAC INSPECTION LTD
- PRESSERV LTD
- R & R CORROSION LTD
- RYSCO INTERNATIONAL INC
- SEM ENERGY LTD
- SONOMATIC LTD



YEP Sponsors 2022



252 ICORR MEMBERS HAVE ELECTED TO BE AFFILIATED TO THE ABERDEEN BRANCH