

MICROBIOLOGICAL CORROSION IN OIL & GAS INDUSTRY

25th – 26th September 2020



WHO SHOULD ATTEND?

Personnel engaged in Oil & Gas Technical, Operations, Maintenance and Inspection Team, Researchers, Academic Institutes, Business personnel of Corrosion Monitoring Equipment, Pipeline Operations and Maintenance Teams. Microbiologists and Biotechnologists. Water Treatment, Refinery, Internal / External Corrosion and Corrosion Engineers, Additives & Paint manufacturers.

CLASS TIMING

09:30 hrs – 13:30 hrs

FACULTY

The faculty includes professional experts from public sector organizations & other institutions (i.e. oil industries and reputed Research Organizations).



**PARTICIPATION CERTIFICATE
WILL BE ISSUED.**

REGISTRATION

Enrolment is accepted on first come first served basis, as seats are limited.



COURSE FEES & ONLINE PAYMENT DETAIL

INR. 5,000 + 18 % GST = INR. 5,900 per delegate

10% discount to NACE member and also applicable more than 4 participants in same organization.

* Advance payment through online mode is mandatory for registration confirmation.

Account Details

Beneficiary Account : NACE International India Section

Bank Name : Oriental Bank of Commerce (PNB)

Current Account No : 06321131002218

Account Branch : Powai, Mumbai, India.

Branch Code : 0632

RTGS/NEFT/ IFSC : ORBC0100632

OBJECTIVE

Microbiologically Influenced Corrosion (MIC) has been reported to influence many industry operations. It can accelerate most forms of corrosion; including uniform, pitting, crevice, galvanic, intergranular, and stress corrosion cracking.

The major microbial problem in the oil and gas industry is in storage tanks, transportation pipelines and other water networks, which can lead to loss of product quality, formation of sludge and failure of pipeline network, and storage tanks. A fine film of water on the tank surfaces, or a few micro-litres in the fuel, is enough to allow growth of microorganisms, and cell metabolism, once begun, results in the production of biodegradable products and thus the cycle continues. Survival of microbial population on hydrocarbons even in absence of oxygen is a severe threat to hydrocarbon industry.

In order to address the problem of microbiological corrosion in a systematic manner, it is essential to understand the microbial contaminations and their effect on metallic corrosion w.r.t. the operating conditions and accordingly develop a robust treatment plan along with monitoring techniques.

TOPICS TO BE COVERED

- Basics of MIC – their presence in Oil & Gas Systems & consequences
- Microbiological Corrosion in Refineries -still undiscovered- Case studies
- MIC Monitoring Techniques – Lab and field studies
- MIC problems in upstream sector of Oil industries- Case studies
- Role of different bacteria in hydrocarbon system in corrosion- Lab studies
- Advance Molecular biology based techniques for enumeration of Microbial population
- MIC issues in Water Systems and their remedies- Case studies
- Metallurgical aspects of Microbiologically induced Corrosion

FOR REGISTRATION & OTHER DETAILS :

Dr. Jaya Rawat, Course Co-ordination

Dy. General Manager, Bharat Petroleum Corporation Ltd,
Corporate R & D Centre, Greater Noida

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Mr. Manoj Mishra, Manager Administration

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Website: www.naceindia.org

REGISTRATION FORM

NIGIS EDUCATIONAL ONLINE TRAINING PROGRAMME ON

Microbiological Corrosion in Oil & Gas Industry

25 - 26 September 2020

Name : _____

Designation : _____ Email id : _____

Tel : _____ Mobile no.: _____

For Invoice / Receipt of payment, please fill up the following information

Organisation / Company : _____
(Under which invoice will be issued)

Address : _____

_____ Pin Code: _____

City : _____ State : _____ Country : _____

GST No. _____ PAN No : _____

Email id: _____ Tel : _____
(Concerned officer)

BANK DETAILS		REGISTRATION
Beneficiary Account Name	NACE INTERNATIONAL INDIA SECTION	INR 5000 + 18% GST (INR 900) = INR 5900 per delegate
Bank Name	Oriental Bank of Commerce	
Current Account Number	06321131002218	10% discount to NACE International member.
Account Branch	Powai, Mumbai, India	UTR No.
Branch Code	0632	Enrolment is accepted on a first come first serve basis, as seats are limited. Advance payment through online mode is mandatory for registration confirmation.
RTGS/NEFT/ IFSC	ORBC0100632	
MICR	400022025	
SWIFT CODE	ORBCINBBPOW	
PAN Number	AAATN2275L	
GSTIN	27AAATN2275L1ZA	

CORRESPONDENCE

NACE International Gateway India Section

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