

The Pump Centre in association with the Nickel Institute

present the webinar

Stainless Steels in the Water Industry

Friday 4th November 2022

09:50am: Login opens

10:00am: Introduction.

John Howarth, Pump Centre

10:05am: The Stainless Steel Families.

Presented by Benoît Van Hecke, Nickel Institute.

This presentation covers:

- What is a stainless steel.
- Types of stainless steels.
- Mechanical and Physical properties.

10:30am: The Nature and Corrosion Resistance of Stainless Steel in the Water Industry.

Presented by Roger Francis, Nickel Institute.

This presentation covers:

- Which stainless steels are used in the water industry?
- How do they behave in the atmosphere, in various water chemistries, under flow and stagnant conditions?
- Galvanic behaviour.
- Post fabrication clean-up.
- What is pickling and passivation?
- Leaching characteristics.

11:10am: = = = = = Comfort Break (20 mins) = = = = =

11:30am: Stainless Steel Water Infrastructure Examples.

Presented by Benoît Van Hecke, Nickel Institute.

11:50am: Guidelines and Application in Water and Wastewater Treatment Environments.

Presented by Roger Francis, Nickel Institute.

This presentation covers:

- Resistance to water treatment plant environments.
- Chlorides, Oxidants, Hydrotesting.
- MIC (Microbiologically influenced corrosion).
- Behaviour of stainless steels in wastewater treatment environments.
- Guidelines for Use.

12:30pm: Q&A session and Final Discussion.

Chaired by John Howarth, Pump Centre.

12:40pm: Expected finish.