

ENVIRONMENTAL COMPLIANCE OBLIGATIONS FOR SEWAGE TREATMENT PLANT OPERATIONS AND INTRODUCTION TO CLIMATE CHANGE

Introduction

Increase in population, urbanization and Industrialization to achieve economic development has resulted in global environmental degradation (i.e. water, air, land pollution). It is important for each and every organization to identify, access, and evaluate laws, regulations, and internal organizational requirements that apply to the identified environmental aspects and impacts of its activities, products, and services. The organization must take these compliance obligations into account when establishing, implementing, maintaining and continually improving its environmental management system as part of good environmental practices.

Climate change is one of the mankind's greatest threats and thus requires commitment from all to eliminate or minimise the greenhouse gases emission from our own activities. Via good environmental practices and behaviour, green technology and initiatives, clean development mechanism, and etc., our environment will be well protected and conserved for our future generations.

Objective

The course is designed to provide basic understanding and awareness on the current localise and global environmental issues including climate change, introduction to good environmental practices within the organization, and provide latest updates on relevant environmental obligations pertaining to sewage treatment plant's operations. It will also provide the participants on the methodology for periodically evaluating its organization's environmental obligations, to meet the commitment to compliances.

Upon completion of this course, participants will be able to:

- Aware on the current localise and global environmental issues including climate change
- Understand latest environmental obligations relevant to the sewage treatment plant's operations
- Understand on the methodology for periodically evaluating compliance to the required environmental obligations
- Implement good environmental practices

Course Outline

- Environmental Issues
 - ❖ What is Environment
 - ❖ Current Environmental Issues
 - ❖ Environment Protection
- Introduction to Climate Change
 - ❖ What is Climate Change
 - ❖ The Impact of Climate Change
 - ❖ The Souces of Climate Change
 - ❖ How to Address the Climate Change issue

- Good Environmental Practices
 - ❖ Introduction to EMS
 - ❖ Potential Environment Impacts from Sewerage Activities
 - ❖ Compliance to Environmental Obligations
- Environmental Obligations
 - ❖ Water Services Industry Act 2006 (WSIA)
 - ❖ Environmental Quality Act (EQA) 1974
 - ❖ Solid Waste & Public Cleansing Act 2007
 - ❖ Other requirements
- Greenhouse Gases (GHG) Inventory and Reduction Strategy
 - ❖ GHG Inventory for Sewerage Industry
 - ❖ GHG Reduction Strategy & Initiatives
- Conclusion

Who Should Attend

This course is designed for sewer network services personnel who are involved in sewer maintenance work

- Managers
- Engineers / Executives
- Operators / Non-Executives
- Consultant and Contractors involved in the sewerage infrastructure design & development.

Duration

- One day
- 9.00 am – 5.00 pm

Class Size

- 15 – 30 pax per session

Methodology

- Classroom lecture and hands-on practical