



INTRODUCTION TO HAZOP FOR SEWERAGE SYSTEMS & WATER TREATMENT

OVERVIEW

HAZOP is a process to identify potential causes, hazard and operability problems with regards to the new development of treatment system and existing treatment works when modification or addition of process takes place. By implementing these HAZOP studies, it is anticipated that the design of treatment works will be further improved via incorporating the operational and safety aspect in the treatment plant's design, and this will eventually benefits the future plant's operator as well as the sewerage and water industry.

COURSE OBJECTIVES

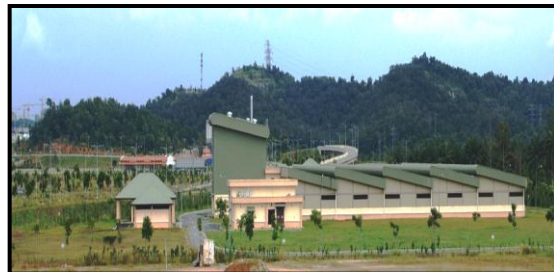
The course is designed to provide a basic understanding of Hazard and Operability Studies. The course will cover topics on principles of HAZOP, techniques in conducting HAZOP, HAZOP identification and assessment and HAZOP reporting format.

COURSE CONTENTS

This course provides training in identifying and assessing hazards by using the most appropriate technique throughout a project life cycle:

Topics covered include:

- Principles of HAZOP
- Usage and the Needs of HAZOP in industry
- Techniques and Approaches in conducting HAZOP
- Method of Hazard Identification and Assessment
- The HAZOP Reporting Format
- HAZOP Software



LEARNING OUTCOMES

Upon completion of this course, participants will:

- Have a basic understanding of Hazard and Operability Studies (HAZOPS).
- Understand the benefits of performing HAZOP.
- Be able to indicate where HAZOPS fit in the Sewerage / Water Engineering Procedures for Design Review.
- Be able to carry out HAZOP study.
- Be able to demonstrate the usage of HAZOP techniques.

DURATION

1 day

METHODOLOGY

Course will be conducted through classroom lecture.

WHO SHOULD ATTEND

Managers, Engineers, Consultants, Contractors and Health & Safety Executive involved in the sewerage & water supply infrastructure design & development.

COURSE FEE

RM550.00 Per person