1. INTRODUCTION

In today business, environmental management has been an integral part of operations and its importance cannot be overemphasised. Typically, industries will discharge some form of effluents. Industrial effluents vary significantly in pollution characteristics hence different unit processes and unit operations are utilized to treat them. Industrial outfits discharging industrial effluents are required to build and operate industrial effluent treatment systems (IETS) in accordance with the Environmental Quality (Industrial Effluents) Regulations 2009.

IETS is a rather complicated industrial system involving various equipment and processes which required monitoring and maintenance to ensure it produce desired result. In helping the industry, Department of Environment issued ‘Technical Guidance On Performance Monitoring of Industrial Effluent Treatment Systems’. This two-day training program is aimed at imparting knowledge to participants on how to monitor and maintain industrial effluents treatment system.

2. OBJECTIVES

After attending this program, participants should be able to:
- Understand statutory requirements of Environmental Quality (Industrial Effluents) Regulations 2009
- Understand the importance of IETS:
- Understand the various and processes involved in IETS; and
- Monitor and maintain IETS.

3. TARGET PARTICIPANTS

The program is suitable for personnel responsible for monitoring maintaining IETS regardless of position.

4. LEARNING APPROACH

The session will be conducted using adult learning methodology which involved:
- interactive lecture
- two-way discussion
- experience sharing
- group activities
- Observing actual situation

5. COURSE CONTENTS

- Environmental Quality (Industrial Effluents) Regulations 2009
  - Interpretation of important clauses
  - Industry obligations
- Understanding IETS
  - Terminology used
  - Chemistry of waste in IETS
  - Technical Guidance on Performance of IETS
- Operational of IETS
- Critical nodes and performance reporting of IETS
- Maintenance of IETS
- Common problems in IETS & how to manage them