

ISO 14001:2004 Environmental Management System Design, Implementation and Audit

Introduction

- Applicable legislations
- Definitions of environmental management terminologies
- Implementation process and the Deming cycle (P.D.C.A)
- ISO 14001:2004 components and operational cycle

Designing and Implementing EMS for an Organisation

- In-depth study of requirements of ISO 14001:2004 Standard
- Implementation of ISO 14001:2004 Standard in an organization
- Identification and management of environmental aspects
- Analysis of EMS documentation

Managing and Improving EMS for an Organisation

- Monitoring and measuring
- Environmental performance review
- Continual improvement

EMS Audit

- Audit scheduling, planning, approach, and reporting
- Responsibilities, personnel attributes and auditor selection
- Successful tools and techniques for ISO 14001 EMS auditing
- Effective reporting and follow-up of ISO 14001 EMS auditing
- Certification process

Case studies/ class group work

- Identifying, evaluating and recording environmental aspects in a production facility
- Developing a legal register for the production facility
- Developing objectives, targets and environmental management programmes for the production facility
- Evaluating available EMS documentations of the production facility vis-à-vis the ISO 14001:2004 standard
- Evaluating present operational controls in the production facility and Identifying gaps in the operational controls for the production facility
- Identifying parameters to be measured and monitored in the production facility vis-à-vis legal requirements and the ISO 14001:2004 standard
- Developing an agenda for management review of the EMS
- Developing an audit programme
- Role play: auditor and auditee