



KENYA NATIONAL CLEANER PRODUCTION CENTRE

MANAGEMENT OF OZONE DEPLETING SUBSTANCES (ODS) IN REFRIGERANTS AND A/C TRAINING

Background

Combined forces of globalization, increased costs of energy, water and raw materials as well as stringent regulations are pushing Kenyan businesses to seek innovative and cost-effective ways of remaining competitive. To become competitive, it is essential that these businesses pursue “best practices” that are comprehensive, integrated and firm on the ideals of continual improvement of all parts of the businesses’ operations. Leading-edge companies have managed to achieve world-class standards of performance through the adoption of Cleaner Production (CP). CP advocates for a preventive strategy to businesses that focuses on products, processes and services throughout their entire life cycle. The ultimate goal is to persuade businesses not to generate waste and treat it but instead prevent its generation in the first place. By so doing, businesses will conserve the environment, improve on their bottom lines and meet the expectations of society through responsible entrepreneurship. The success of any CP program depends on total commitment on the part of everyone. Unless everyone realizes that all parties are determined to instigate the necessary changes, the program will be treated as another fad. This training program is designed to create a paradigm shift in the way Kenyan businesses and also propel CP as the bridge towards sustainability and competitiveness.



Cleaner Production (CP) And Waste Management (WM) seek to end such scenarios

Aims of the Training Strategy

The training is designed to promote the following business ideals of best practices within the domain of CP:

- ⇒ Developing a shared CP vision and strategic plan
Central to achieving best CP practices is a vision of world-class performance, shared by every one in the organization, translated into action through a targeted strategic plan.
- ⇒ Ensuring that the top management are committed
Committed bosses are essential to drive and support change processes. And one of their key roles is not only to provide leadership but also to recognize and encourage leadership at all levels of the organization.
- ⇒ Providing a flatter organizational structure
Competitive organizations respond to customer's needs in a time frame acceptable to the customer. Flatter organizational structures are better able to deliver a quick response. They are usually characterized by devolution of authority via team based activities, empowerment of workers and improved two-way communication strategies.
- ⇒ Working towards a cooperative industrial relations environment
Best practice workplaces promote effective communication and consultation throughout their structures.
- ⇒ Creating a learning environment

Two key qualities of a learning organization are its commitment to continuous improvement and a recognition of the contributions of everyone in the organization.

⇒ Focusing on your customers

Customers determine the success of any enterprise. Organizations responsive to customers' demands will profit in a variety of ways – increased market share, increased staff and customer satisfaction, and a reduction in the need for marketing.

⇒ Developing closer relationships with your suppliers

Leading-edge organizations involve their suppliers as an integral part of their change process. These links can cut inventories, create innovative opportunities, and ensure a higher quality of end product.

⇒ Pursuing innovation in technology, products, and processes

Market leaders have developed and employed integrated technology to ensure continuous improvement of production systems. Technology is not viewed in isolation, but as part of the whole system.

⇒ Using performance-measurement systems and benchmarking

If you really want to compete, you will have to match and improve on the performance of the nation's or world's best. Benchmarking is a tool for organizations committed to achieving high standards of performance.

⇒ Thinking "GREEN"

Increasingly, the integration of environmental management to all operations is becoming a component of competitive strategy

Why Should KNCPC train you?

KNCPC is one of the over 40 National Cleaner Production Centres (NCPCs) under UNIDO/UNEP/UNDP support, in the world that were solely established to help organisations in developing countries and those ones with transition economies to remain competitive and increase their profitability by avoiding the generation of waste.

The Centre has highly trained technical staff in CP and WM and has many years' experience in assisting businesses adopt best practices. The Centre offers hands on training that blend theory and practice.

KNCPC ensures that trainees are taken through a structured step by methodology of identifying and documenting wasteful practices.

An internationally recognized certificate is awarded to participants after completion of the training.



A section of CP/WM trainees (standing) after being presented with their certificates alongside their sitting instructors

Post Training Expectations

- ⇒ CP and waste management “champions” created
- ⇒ CP Auditors who will assist their companies in implementing the Cleaner Enterprise Programme (CEP).
- ⇒ CP trained Auditors who will assist their companies in the preparations for the The Annual National CP Award.

COURSE CONTENT

Context

- 1.1 Introduction
- 1.2 What Globalization means for Businesses?
- 1.3 Principles of Best Practices

Fundamentals

- 2.1 Management of Hazardous Wastes
- 2.2 Generation, sources and types
- 2.3 Environmental impacts and health risks
- 2.4 Public awareness and communication
- 2.5 Green Procurement

Regulatory approach

- 3.1 Regulatory and Institutional Frameworks
- 3.2 Trans-boundary movement control
- 3.3 Enforcement

Cleaner Production and waste minimisation

- 4.1 Cleaner Production
 - 4.1.1 Cleaner Production Principles

- Opening meeting
- CP theory, philosophy and practice
- CP Methodological Approaches
- Techniques of Cleaner Production
- Team work and Idea Generation
- Energy and Material Balances
- Waste management in general
- Material Safety Data Sheets (MSDS)
- 4.1.2 Corporate environment policy formulation
- 4.2 Waste minimisation
- 4.3 Recycling and waste exchange
- Management practices
- 5.1 Waste handling and storage
- 5.2 Waste transport
- 5.3 Safe operations and safety management
- 5.4 Facility development
- 5.5 Infrastructure and support services
- 5.6 Waste Management Regulations
- 5.7 Sustainability Reporting / Corporate Environmental Reporting
- 5.8 Green Supply Chain Management
- Treatment processes
- 6.1 Choosing appropriate technologies
- 6.2 Physico-chemical treatment
- 6.3 Biological treatment
- 6.4 Stabilisation and solidification of hazardous wastes
- 6.5 Thermal treatment
- 6.6 Land disposal
- 6.7 Transitional technologies
- 6.8 Site selection

TRAINING CALENDER

THE Centre offers training in CP and WM for a total of 5 working days on a quarterly basis as stated below: The courses can either be in-house/tailor made or otherwise.

- First Quarter – March
- Second Quarter – August
- Third Quarter – November

Target Group: Municipalities, NGOs, Industry Staff, and Service Providers, policy makers, Regulators, etc.

Cost: KShs. 60,000.00 (Sixty Thousand shillings only) 16% VAT Inclusive.

Contact Details:

Director,
Kenya National Cleaner Production Centre (KNCPC)
Popo Road, Off Mombasa Road
P.O. Box 1360-00200 City Square, Nairobi
Tel: (+254) 020 604871/0, OR (+254) 020 3567161
Celphones: (+254) 0721 970765 OR (+254) 0734 412402
Fax: (+254) 020 604871/0,
E-mail: info@cpkenya.org
Website: www.cpkenya.org