

# Environmental and Sustainability Management System (ESMS)



City of Alexandria

Department of Recreation Parks and Cultural Activities

Overview and Certification Process

ISO 14001

# What is ESMS?

An environmental management system is a set of management processes and practices that allows an organization to analyze, control and reduce the environmental impact of its activities and services and increase its operating efficiency.



**Business benefits include:**



Improved environmental performance, enhanced compliance, pollution prevention, resource conservation, increased efficiency, improved employee awareness, enhanced public image with system users and general public.

# The basic elements of an ESMS include:

Setting environmental **objective and targets** to reduce environmental impacts and legal requirements

Analyzing its **environmental impacts and legal requirements**;

Establishing **programs** to meet these objectives and targets;

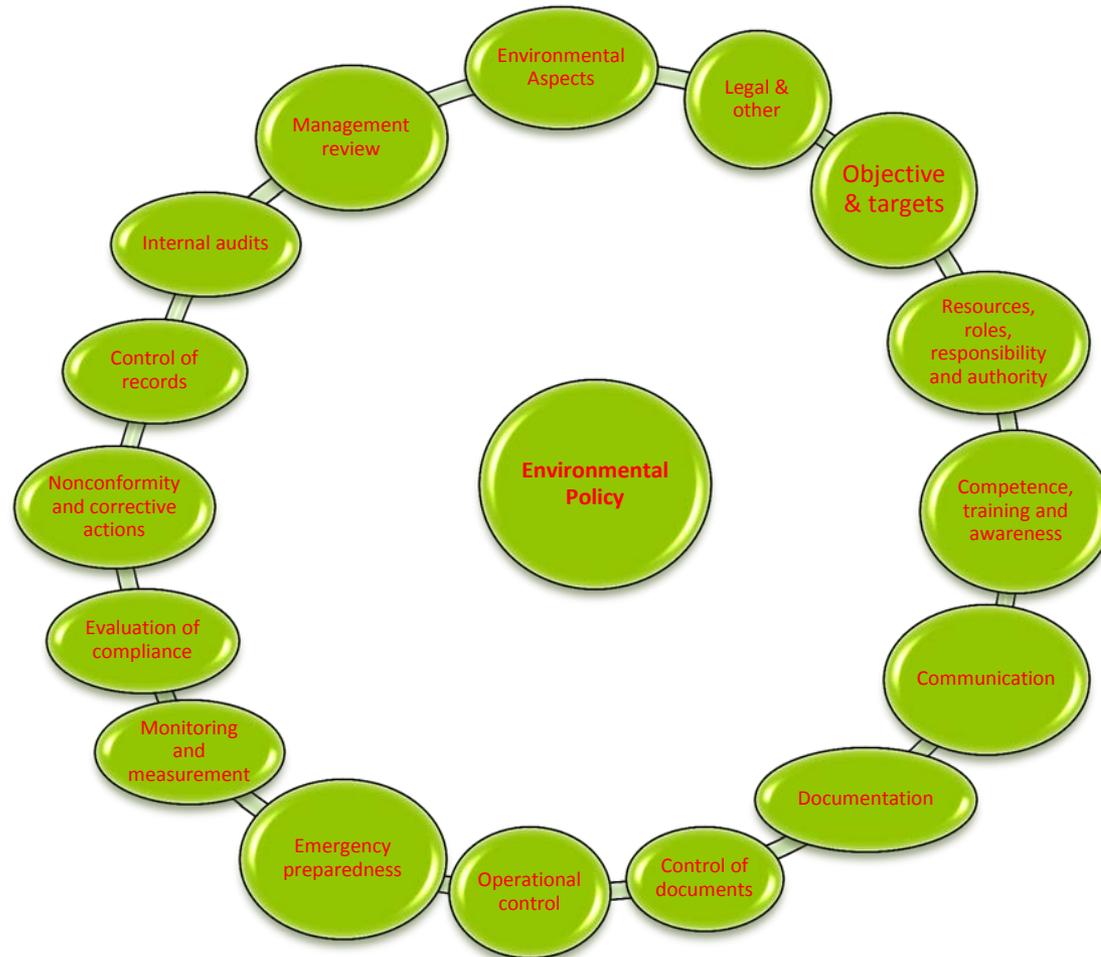
Reviewing the organization's **environmental goals**;

**Monitoring and measuring** progress in achieving the objectives;

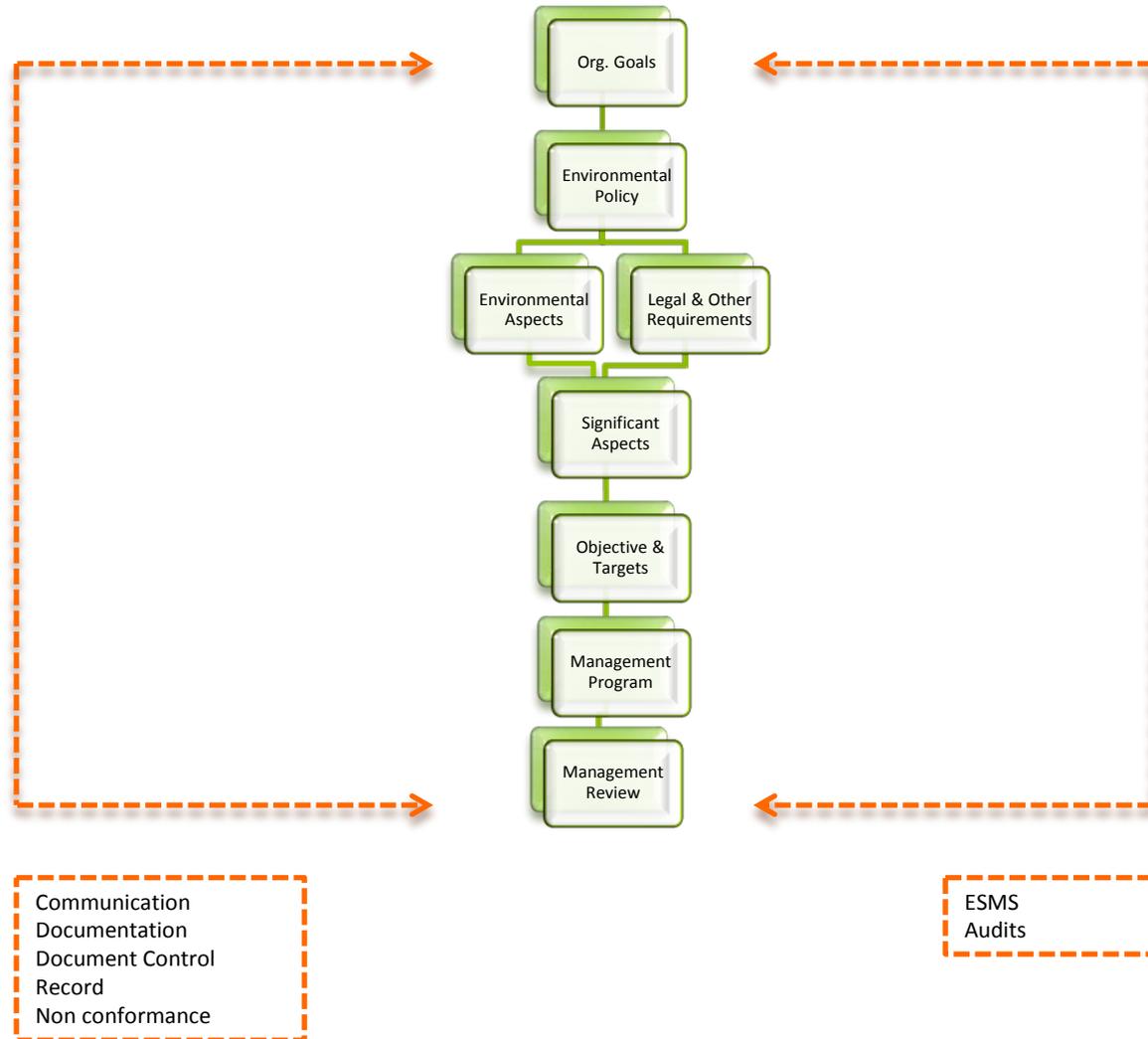
Ensuring employees' **environmental awareness** and competence

Reviewing **progress** of the ESMS and making improvements

# Components of an ESMS



# ESMS/ISO 14001 Framework



# Our four significant aspects

Hazardous Waste	Agro-chemicals	Water Usage	Water Quality
<ul style="list-style-type: none"><li>• Batteries</li><li>• Oil</li><li>• Aerosol cans</li><li>• Metal recycling</li><li>• Tires</li><li>• Oil filters</li><li>• Decommissioned equipment</li></ul>	<ul style="list-style-type: none"><li>• Pesticides</li><li>• Fertilizer</li></ul>	<ul style="list-style-type: none"><li>• Water savings</li><li>• Irrigation system performance</li><li>• Wash water discharges</li></ul>	<ul style="list-style-type: none"><li>• Water quality indicators</li><li>• Continuous monitoring program</li></ul>

# ESMS Integration with other initiatives



# Current State of RPCA's ESMS

90% completion

## Finalization of Work Instructions and training modules

- E. Awareness and training for Contractors

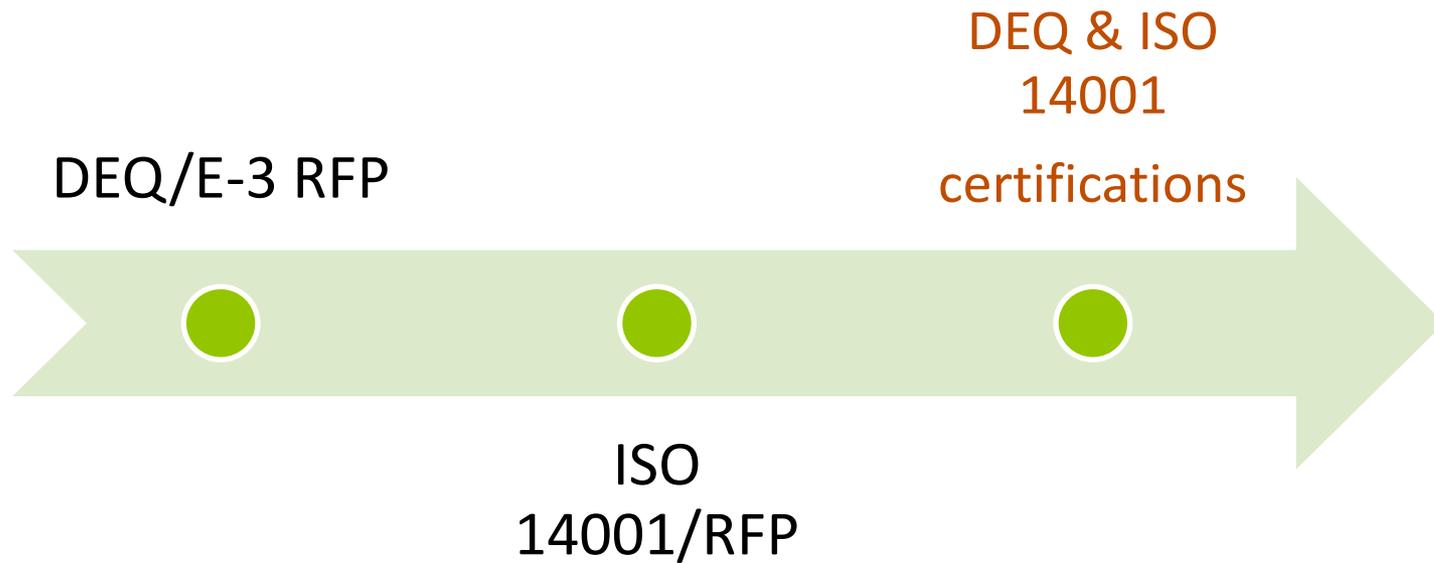
## Full Software Integrations

- Citywork
- Zavanta
- Survey Gizmo

## Full Implementation of Work Instructions

- Hazardous Waste
- Agro-chemicals
- Water Usage
- Water Quality

# Next Step



# THANK YOU



Environmental  
Sustainability  
Management  
System

R  
P  
C  
A