Environmental Management Systems

Objectives and Targets Review

Summer Workshop
June 6, 2012
Iowa EMS Framework (HF 2570)

6 Plan Components
- Yard Waste Management
- Hazardous Household Waste Collection
- Water Quality Improvement
- Greenhouse Gas Reduction
- Recycling Services
- Environmental Education

- Environmental Policy Statement
- Environmental Impacts
- Objectives & Targets
- Action Plan
- Identify Roles & Responsibilities
- Communication, Training & Awareness
- Monitoring & Measurement
- Assessment
- Reevaluation and Modification

Legal & Other Requirements

PLANNING
IMPLEMENTATION AND OPERATION
CHECKING AND ACTION
Objectives and Targets Are Essential in Reducing/Increasing Environmental Impacts
Overview of EMS Process for Adopting Objectives and Targets/Action Plan/Resources

- Identify Activities which Could Impact the Environment and Assemble List of Aspects and Impacts
- Develop Significance Criteria and Identify Significant Aspects/Impacts
- Determine/Establish Organizational Strategies Related to the Environment
- Set Objectives and Targets for Significant Aspects/Impacts with Available Resources in Mind
- Develop Action Plans to Achieve Objectives and Targets
- Identify and Report Metrics that Documents/Verifies Progress
- Continually Review and Report Progress
Two Important Considerations

- Consider the Six Plan Components
  - Yard Waste Management
  - Hazardous Household Waste Collection
  - Water Quality Improvement
  - Greenhouse Gas Reduction
  - Recycling Services
  - Environmental Education

These are Significant Activities and Impacts!

- Potential Availability of Financial Resources for Assistance in the Development of the EMS and Objectives and Targets
Objectives and Targets (HF 2570)

- Establish Specific and Measurable Environmental Goals for the Organization for Each of the Six Plan Components
- Targets Must be Specific and Quantifiable

S.M.A.R.T.
Environmental Strategy (Remember Training In November)

- Before Setting Objectives and Targets, Consider Organizational Strategies related to the Significant Aspects/Impacts and Iowa HF requirements (Aspirational Goals)
  - **Greenhouse Gas Reductions** – Organizational Strategy Related to Climate Change
  - **Environmental Education** – Consider Lifestyle or Cultural Change that the Organization is Attempting to Affect
Objectives and Targets

- **Objective Definition**
  - The Objective is the Environmental Goal
  - The *Overall Environmental Change* you want to achieve

- **Target Definition**
  - Detailed Performance Requirement
  - Specific Outcome of the Objective
  - Targets are necessary for achieving the stated objectives
  - Targets are a *Measurable Outcome* of the change
Examples

- **Strategy:** Reduce organizational contributions to climate change
  - **OT:** Reduce Greenhouse Gases by 5% by December 31, 2012
  - **OT:** Reduce Water Consumption by 5% per Year every year through 2015

- **Strategy:** Educate our residents concerning individual ability to improve our local environment
  - **OT:** Increase recycling rates by 10% by December 31, 2017
  - **OT:** Develop environmental educational program concerning proper e-waste management by March 1, 2013
Objectives and Targets Considerations

- Six Plan Components
- EMS Fenceline (What is in Organizational Control)
- Environmental Policy
- Legal and Other Requirements
- Views of Interested Parties
- Is It Reasonable?
- Is Technology Available?
- Are Financial, Operational, and Staff Resources Available?
Objectives and Targets Considerations

- While Setting Objectives and Targets, Consider How You Will Monitor and Measure?
- Is There Baseline Data Available?
- Is There Environmental Performance I Want to Measure Outside of My Objectives/Targets?
Best Practices

- Set Objectives and Targets After Understanding Organizational Goals
- Start with Existing Environmental Goals
- Set Objectives and Targets which are as Specific as Possible and Quantifiable
- Review and Receive Approval from Senior Management
- Be Practical, Understand your Organization’s Limitations
  - Don’t Over Commit
- Consider Availability of Baseline Information
- Ultimate Goal is to Reduce/Increase Environmental Impacts
Objectives and Targets – Potential Concerns

- Fenceline
- Lack of Baseline Data
- Funding from Council
- Setting Due Dates
- Six Plan Components – Do I Need One for Each Component?
- Measuring Progress
More Examples

Refer to Handouts
Reducing/Increasing Environmental Impacts is the Main Focus of the EMS

= Accomplishing Objectives and Targets
QUESTIONS?