

ISO 14001

Environmental Management System (EMS)

2012

Sustainability Policy

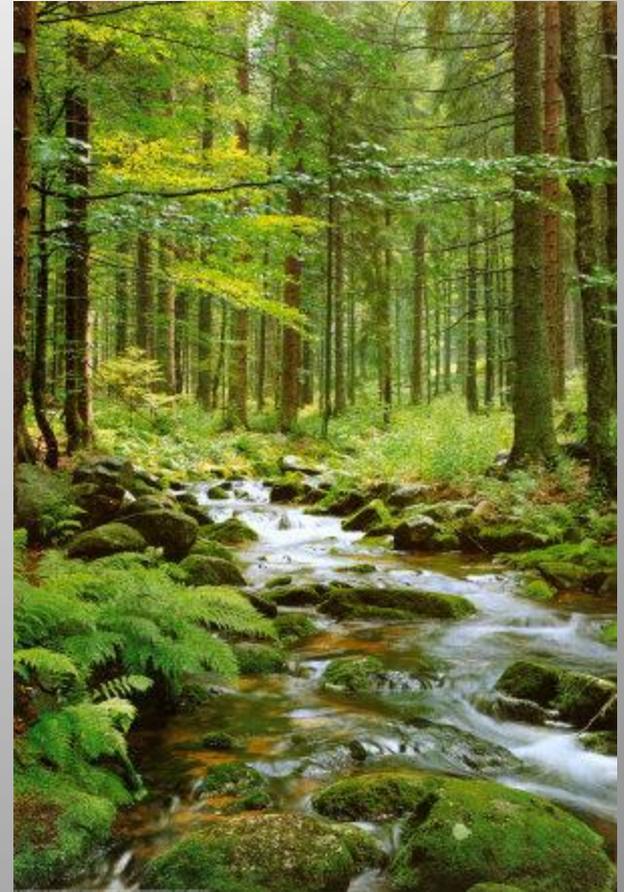
Vision>Policy>Objectives: Available at [xxxxxx](#)

Key Policy Elements:

Continuous Improvement

Pollution Prevention

Regulatory Compliance



Why ISO 14001?

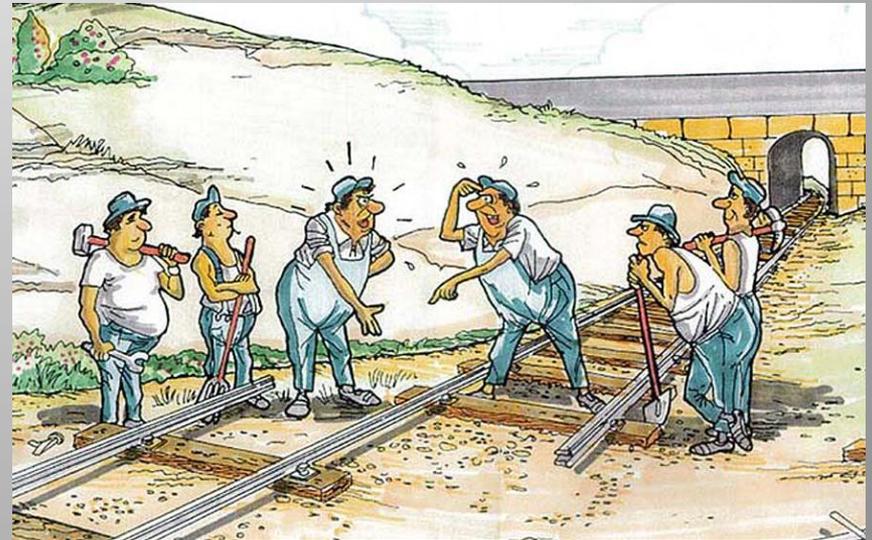
- ISO14001 - A standard for an Environmental Management System (EMS)
- Certification demonstrates commitment to customers and community
- EMS holds Company Name members accountable
 - Say what we do
 - Do what we say
- Supports corporate sustainability policy and objectives



EMS Responsibilities

Who Is Responsible?

- Work Centers –
Members
- Departmental –
Supervisors
- Environmental Contact–
- EMS Manager –
John Doe
- Corporate Environmental
& Sustainability -
Jane Doe
- External Communications –
Bill Smith



Team Work

Waste & Energy Reduction Goals

2012 Goal	STATUS / ACTION
Reduce waste to energy Pounds/Earned Hour by 15% vs. 2011	Currently meeting goals
Reduce natural gas usage CCF/Earned Hour by 5% vs. 2011	July was green; other 2012 months mostly red
Reduce electrical usage kwh/Earned Hour by 5% vs. 2011	Currently meeting goals
Reduce steel and powder scrap rates; increase utilization	Some progress in steel scrap reduction & associated cost savings

Refer to the W3I on the Plant board to see the Environmental team action plan. Please offer any suggestions to a team member.

Plant EMS Procedures

- DP 10 Rework & Repair Operations
- DP 20 Aerosol Can Management & Disposal
- DP 21 Chemical Identification & Management
- DP 23 Waste Management & Waste Manifests
- DP 33 Paint Rack Cleaning
- DP 34 Phosphating Washline
- DP 45 Universal Waste Handling
- DP 46 Monitoring & Measuring
- DP 49 Handling Compressed Gas Cylinders
- DP 50 Emergency Response Plan
- MSDS Management Guidance



Where to find the EMS Procedures

- Go to the Internet
- Click on Department
- Then Manufacturing
- Plant website will appear
- Click on Department Procedures to find the DP's listed

What could happen if I don't follow the Environmental Control Procedures?

- Regulatory Non-Compliance.
- Risk of enforcement action and negative publicity.
- Emit excess VOC's and other air contaminants.
- Pollute the sanitary & storm sewer systems.
- Produce unnecessary waste
- Potential soil or ground-water contamination.
- Personal injury.



Repaint/Rework (DP10)

Departments affected: Paint/Pack & Assembly

- Local exhaust ventilation and dust collection systems ensure control of rework particulate air emissions. There should be no visible discharge to the surrounding air
- Report any ventilation systems problems to your supervisor or Engineer
- Only authorized personnel are to do repairs or adjustments to the equipment
- Collected dust is waste to energy

Aerosol Disposal & Handling (DP20)

Departments affected: ALL of Plant

- Empty aerosol cans must be given to the tool crib attendant for proper disposal.
- Partially full, in-operable aerosol cans must be returned to the Tool Crib for nozzle replacement or repair or for disposal if un-repairable
- All aerosol cans in the work centers must be stored in a flammable storage cabinet when not in use



Chemical Identification (DP21)

Departments affected: ALL of Plant

- All new chemicals brought into the facility must be pre-approved for use by Environmental Contact or Environmental Engineer, using an MSDS, and a New Chemical Request form.
- All chemicals must be stored in containers bearing the Hazard Rating label. If the container is in its original container a Hazard Rating label is not necessary.
- Manufacturing Engineering is assigned to maintain the MSDS files.

Name of Material	
<input type="checkbox"/>	HEALTH
<input type="checkbox"/>	FLAMMABILITY
<input type="checkbox"/>	REACTIVITY
<input type="checkbox"/>	PROTECTIVE EQUIPMENT

Non-Hazardous Liquid Waste (DP23)

Departments Affected: ALL of Plant

- Mishandling liquid wastes may result in air pollution, water or soil contamination, or member chemical exposure.
- Consult DP23 for details regarding handling of waste coolants, oils, anti-freeze, and parts washer solvents.
- All non-hazardous waste containers must be properly labeled.
- A designated member inspects the waste storage area on a weekly basis, reporting/documenting (Form 23.01) any issues such as; liquid waste containers not covered or closed, spills on floor etc. Report any issues to supervisor of area or Environmental Contact.

Burn Off Ovens (DP33)

Departments Affected: Maintenance, Paint & Mfg Engineering

- Improper operation of the burn-off ovens could result in member exposure to toxic vapors, or excess VOC emissions to the air.
- Afterburners must be maintained above 1400 (F), to ensure destruction of VOC's and toxins.
- Operators need to report malfunctions to supervisors or manufacturing engineering.



Phosphating Washlines (DP34)

Departments affected: Paint, Maintenance & Manufacturing Engineering

- Un-controlled chemical discharges to the sanitary sewer could disrupt operations at the municipal waste treatment plant, and contaminate the **XXXX** River
- Washer chemical totes must be stored in the containment area
- Stage 1, 2 & 3 are monitored for pH. Stage 1 total acid and temperature are checked
- Report spills to the emergency response supervisor. Reference the Plant phone list for contact information



Universal Wastes DP45

Departments Affected: ALL of Plant

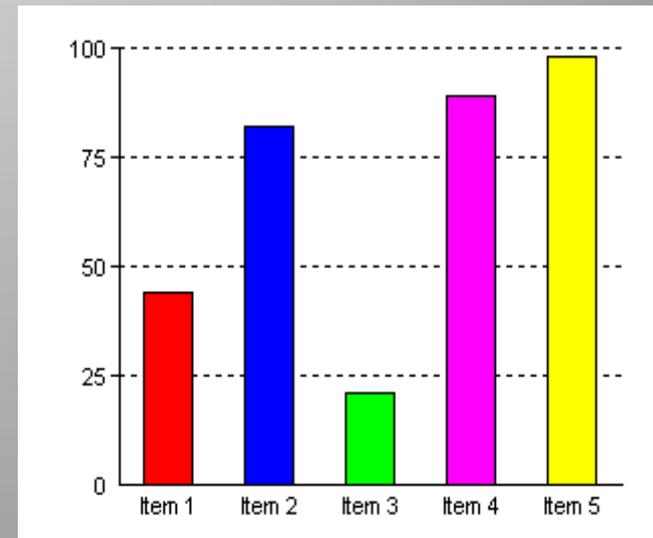
- Mishandling of universal wastes may result in accidental landfill disposal of hazardous materials (e.g. mercury).
- Plant universal wastes may include spent fluorescent lamps and dry cell batteries.
- Spent batteries and lamps are collected in designated containers in the tool crib.
- Universal wastes are recycled by approved contractors only



Monitoring and Measuring (DP46)

Departments Affected: Engineering

- Corporate audits operations annually:
 - * Environmental compliance audit
 - * Internal EMS audit
- Plant must document environmental aspects associated with the facility and each process.
- Phosphating Washline wastewater is monitored regularly; lab results are compared to our wastewater permit requirements.
- Plant has environmental performance goals and evaluates progress regularly (e.g. monthly plant board reviews)



Storage & Handling of Compressed Gas Cylinders (DP49)

Department affected: All of Plant

- Only trained members may handle & transport gas cylinders
- If you have not been trained please contact your supervisor or Environmental Contact.



Emergency Response Plan (ERP) DP50

Departments Affected: All

- Safety & Environmental programs require that the plant maintains a current ERP.
- Plant ERP is available at the plant website.
- ERP drills are held at least every 3 years.
- Notify a supervisor in the event of a chemical emergency, to initiate ERP response.



MSDS Management (Material Safety Data Sheets)

- All chemicals brought into the plant must have a current MSDS.
- MSDS sheets are maintained online at the plant web site or at www.msdsonline.com.
- See Environmental Contact (EC) with any concerns.



QUESTIONS OR COMMENTS?

