

Baselining your chemical management operations

Bob Napier

Jill Kauffman Johnson

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Introduction

- **Why are you here?**
- **What are you (your company) investigating and why?**
- **How do sustainable best practices fit into your vision or strategy?**

Goals / Agenda

- **Open discussion on internal operating costs**
- **Breakdown of cost drivers**
 - Discussion of work breakdown
 - Division of costs throughout facility
- **Breakout Session**
 - Three example facilities
 - Measurable collection
- **Group cost calculation**
- **Open discussion**

Chemical Lifecycle: a summary

The Chemical Lifecycle



Management costs: Procurement

Management costs: Receipt, Inventory, Delivery

Management costs: Waste

Management costs: Environment, Health & Safety

Breakout Session – 15 minutes

- **Pick a facility and team leader**
- **Review operating items**
- **Determine the scope**
 - Facility
 - Manufacturing process or area
- **Collect limited amount of data: “key indicators”**
 - Quantitative Data
 - Qualitative Data

Collect data: quantitative key indicators

- **Total annual chemical spend**
- **Total number of chemical products**
- **Number of purchasing transactions**
 - # of PO's
- **# of MSDSs**
- **Annual Hazardous waste costs**
 - Waste collection, analysis, and hauling costs

Collect data: key qualitative indicators

Qualitative Indicator	Cost	Risk	Regulatory Preparedness	Cost /Chem Transparency
How hard was it to identify your company's chemical spend?	✓			✓
Can chemicals be purchased on Pcards?	✓	✓	✓	✓
Total number of chemical suppliers	✓	✓		✓
# of data systems e.g. ERP/financial, inventory mgmt, EHS, MSDS, waste mgmt			✓	✓
# of FTE's that touch chemicals	✓	✓		
List of contractors and contract values e.g. data mgmt, water treatment, gas vendors, waste collection, waste haulers, consulting firms, etc.	✓			✓
Can the company identify chemicals embodied in its products?		✓	✓	

Collect data: key indicators

- **Total annual chemical spend**
- **Total number of chemical products**
- **Number of purchasing transactions** - # of PO's
- **# of MSDSs**
- **Annual hazardous waste costs** (collection, analysis, and hauling costs)
- **How hard was it to identify your company's chemical spend?**
- **Can chemicals be purchased on Pcards?**
- **Total number of chemical suppliers**
- **# of data systems**
e.g. ERP/financial, inventory mgmt, EHS, MSDS, waste mgmt
- **# of FTE's that touch chemicals**
- **List of contractors and contract values**
e.g. data mgmt, water treatment, gas vendors, waste collection, waste haulers, consulting firms, etc.
- **Can the company identify chemicals embodied in its products?**