EMS Management Review

- Program Description
- Review of Assessments
- EMS Improvements
- Environmental Performance
- Pollution Prevention Initiatives
- Program Evaluation by Management
EMS Program Description

■ Operations
  • Small scale experiments & Special areas – ESR process
  • Machine shops – PEP & Work Planning (1.3.6)

■ Key Elements – Integration
  • Aspect identification, controls & management plans integrated into ESR & WP processes
  • Communication
    – Web pages (EMS information & training)
    – Weekly meetings with Chair & key personnel
    – Group Safety Coordinators
    – Department “All Hands” meetings
  • EMS Assessments
    – Integrated into Department self-assessment plan
    – Integrated with Tier I where effective
    – Integrated with topical reviews
Significant Aspects Identified

- **Industrial Waste** – various oils, esp. vacuum pump
- **Haz. Waste** – from small scale experiments: solvents, epoxy, chemicals
- **Rad. Waste** – from decayed sealed sources: an *anticipated* waste stream
- **Medical Waste** – non-medical use of syringes: epoxy & grease application
- **Atmos. Dischg.** – permit for abrasive saw in shop
- **Transportation** – on-site chemical transfers
Review of Assessments

- Compliance – No Issues
  - Liquid effluents
  - RCRA: DEC & BNL
    - Satellite areas listed & inspected
    - 90-Day area maintained
  - All permits in order

- Registration Audit
  - System audit requirements not explicit enough

- System – August 2001 Audit
  - Implementation is good
  - Some documentation discrepancies
    - Who signs document
    - Where is “official” copy kept
    - Incorrect links, old versions
EMS Improvements

- Aspect Analysis & Maintenance Integrated into ESR process
- Compliance Assessment
  - Tier I’s
  - External or internal topical audits
- Pollution Prevention Explicitly Included
- Dept. Web Pages & Internal Shared Files
  - Aspect identification (ESRs & WP)
  - EM plans & Operational controls
  - Training, program descriptions & other information
- FY 2002 Plans
  - Eliminate Operation Control Forms
  - Go to 3 year cycle for “static” projects
Environmental Performance

- Objectives
  - EMS registration – **DONE**!
  - Compliance with Regulations
  - P2/waste reduction

- Performance Measures (Goals)
  - PEP corrective actions (95%) → 100%
  - Evaluate & disposition APC (25%) → 100%
  - Prioritize & evaluate P2 opportunity (1) → 2
  - Tier I inspections → 97% on time, 33% with ECR
Pollution Prevention Initiatives

- **Hazardous Waste**
  - Antifreeze & solder scraps → recycle
  - Waste ethanol & acids → some sink disposal
  - Oily rags → industrial waste, laundry not practical

- **Radioactive Source Inventory**
  - Disposal of ~60 useless sources
  - Reduces potential for loss of control
  - Reduces need to purchase new sources

- **Annual Chemical Inventory**

- **New Issues**
  - Mercury Jet Target proposal – uses 150 lbs Hg/yr
  - “Real” medical waste – PET project
EMS Evaluation by Management

- Effective in Achieving Policy Commitments?
- Effective in Achieving Objectives & Performance Measures?
- Is EMS Adequate in Terms of:
  - Identification of significant aspects & impacts?
  - Resource allocation?
  - Information systems?
- Are Objectives & Performance Measures Suitable in Terms of:
  - Impacts & current conditions?
  - Internal organizational or process changes?
- Recommend Revisions to:
  - Environmental policy & commitments?
  - Objectives & performance measures?