ESH Management Systems

Benefit or Liability – Lessons Learned

DECEMBER 11TH TRACK D

BUSINESS & THE ENVIRONMENT CONFERENCE, 2019

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TODAY'S SESSION

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ESH MANAGEMENT SYSTEMS

Purpose of a Managed System

Evolution of Management Systems

Boots on the Ground

Lessons Learned

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INTEGRATING ENVIRONMENT, OCCUPATIONAL HEALTH & SAFETY

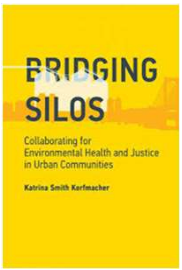
ISO 14001 is the international standard for environmental management systems

ISO 45001 is one of the occupational health and safety standards

OHSAS 18001 is another occupational health and safety standard

ISO 50001 is the international standard for energy management systems

NIH laboratory standards for environment, health and safety



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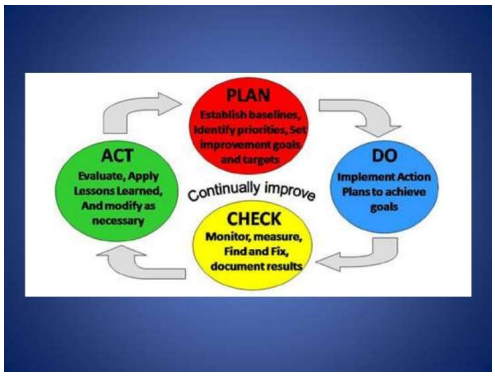
PURPOSE OF A MANAGED SYSTEM

To provide a structured framework of policies, procedures & standard work (roadmap) that enables an organization to execute its operations in a consistent and sustained manner.



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EVOLUTION OF MANAGEMENT SYSTEMS

1950's - Total Quality Management (Japan and Europe)

1951 - Deming Prize (Japan)

1973 - ISO core principles developed leading to ISO 14000

1987 - Malcolm Baldridge National Quality Improvement Act

1992 – BS 7750 (EMS)

1992 – Rio De Janeiro Earth Summit (UN)

1993 – EMAS (Eco-management & Audit Scheme)

1996 – ISO 14000

1990's - TQEM (Total Quality Environmental Management)

2000's – Merging of environment, health & safety programs - and don't forget energy management

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ESH MANAGEMENT SYSTEM REFRESHER

- ESH policy
- Leadership support and engagement
- Accountability and responsibility
- Requirements and programs
- Assessment, prevention and control
- Incident and noncompliance investigations
- Communication
- Risk Management
- Training, awareness and competence
- Planning and organizational decision-making
- Records maintenance and documentation
- Pollution prevention/waste management
- Continuing evaluation & improvement
- Public involvement and community outreach
- Management of Change

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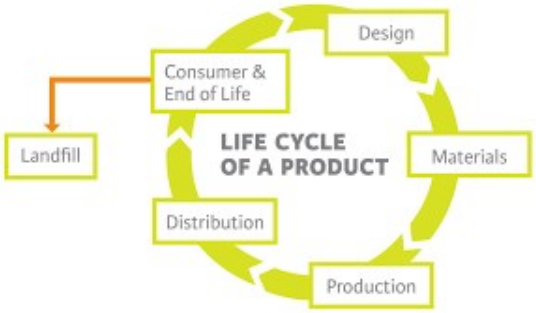
WHO IS THIS FOR?

- Environmental professionals
- Company executives & management
- Production, Marketing, Procurement, Finance, Supply Chain, Inventory, Facilities, Human Resources, Engineering, Legal, Corporate Ethics, Planning, Customer Service etc.
- Export Compliance (REACH)
- Agencies, Community, 3rd parties
- You and Your Successor



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BOOTS ON THE GROUND - BENEFITS

- ARE THERE POLICIES, PROCEDURES AND STANDARD WORK IN PLACE FOR EACH PROGRAM AREA?
- IS THERE A CENTRAL LOCATION FOR DOCUMENTS AND A STANDARD TO REQUIRE CONTROLLED DOCUMENTS?
- ARE THE WORKERS TRAINED ON PROGRAMS SPECIFIC TO THEIR JOBS AND WHERE DOCUMENTS ARE LOCATED?
- ARE THE DECISION MAKERS ON BOARD - ARE THERE PRE-PROJECT PLANNING MEETINGS?
- DO WORKERS KNOW THE RISK OF EACH TASK AND WHO TO ASK FOR ASSISTANCE?
- ARE THERE REGULAR MEETINGS WITH DIVERSE GROUPS - WHAT CAN I DO BETTER?

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LESSONS LEARNED

- ESH is a shared responsibility
- Know yourself
- Establish trust
- Keep it legal and ethical
- Every corporate culture is different - know your culture!
- Make friends
- Stay focused
- Keep it simple
- No surprises for management
- Over communicate - always
- Get the job done – no excuses!

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EMS STANDARDS – Costs Can Vary

ISO 14001

Direct cost	$8,000 - $millions
Indirect Cost	$25,000 - $millions

Self-develop ESH Standard

Consultant Support	$5,000 - $millions
Indirect Cost	$15,000 - $millions

https://www.epa.gov/ems/guide-developing-environmental-management-system-plan

https://www.oregon.gov/deq/FilterDocs/Top10ElementsSuccessfulEMS.pdf

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WHO IS 140001 CERTIFIED?

According the most recent reports, there are 14,000 companies worldwide certified to ISO14000. Of these, the majority are in

Japan (2,600)	USA (590)
Germany (1,600)	The Netherlands (475)
UK (1, 200)	Korea (460)
Sweden (650)	Switzerland (400)
Taiwan (500)	France (360)

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QUESTIONS?
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