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- North American Environmental Coordinator for Smiths Aerospace
- Responsible for 12 locations in the U.S & Canada
- Member of the U.S. Tag
- Member of two sub-tag committees
- Completed ISO 14001 lead auditor requirements

Keep it Simple!

Initial targets and goals will be relatively easy to attain – After the “low hanging fruit” is gone...

New challenges will appear

My Proven 10 step process

- 1. Top Management Commitment**
- 2. Build based on the Policy**
- 3. Identify your Aspects & Impacts**
- 4. List all regulations affecting the site**
- 5. List all Waste Streams**
- 6. Create site specific procedures**
- 7. Trial run of the system**
- 8. Audit your system**
- 9. Have a management review**
- 10. Registration next**

4.3.4 Environmental management programs

- Environmental management programs are designed to achieve the selected objectives and targets.
- Operational controls (4.4.6) should be sufficient to achieve improvements
- ISO 14001 does not require a procedure for establishing and maintaining such programs

Management programs

- In principle, every established objective & target must have a program to achieve it.
- There might be a situation where one objective will require several programs. Several locations or departments will work towards one objective.

Sample management program:

We will reduce our electrical usage by 5%.
This will be accomplished by shutting off any equipment & lighting when not being used.

- Who is responsible
- What departments are involved
- How will this be measured
- What is the time frame for accomplishment

Management programs

- Document controls (4.4.5) will cover all paperwork associated with management programs
- Internal audits (4.5.4) will confirm the management programs
- Monitoring & Measurement (4.5.1) will confirm the success of the programs
- Management Review (4.6) will inform all and make any adjustments as necessary

Structure and Responsibility (4.4.1)

- An organization should define every department or management teams responsibility with regards to the EMS
- Defining responsibility can be accomplished by three ways and should be included in the EMS:
 - Organizational chart
 - Job descriptions
 - Departmental responsibilities

Structure & Responsibility

- Appoint a management representative to ensure the conformance and performance of the system
- Define the minimum requirements of a management representative or site champion

Structure & Responsibility

- Appointing a person as the lead internal auditor is the most critical and beneficial areas of responsibility!
- Define your minimum requirements of your internal auditor in your EMS

Operational Controls (4.4.6)

- Identify and specify those operations or activities associated with your environmental aspects
- All waste streams should be defined within Operational Controls
- Any operation or process that could impact the environment should be listed within Operational Controls

Operational Controls

- ✓ 80% of your EMS is in place to control the 20% which is your Operational Controls
- ✓ OSHA requirement 1910.95 (noise levels) should be in the operational controls
- ✓ OSHA requirement 1910.1200 (hazard communication) should also be in your Operational Controls

Operational Controls

- Create a control for outside contractors, vendors or anyone that could create or cause an environmental impact on your site
- Extend your controls to your vendors to enhance your system (eg: packaging)