



GETTING STARTED IN EMS

Catherine Golds
Head of NQA Global
NICEIC Group





Presentation Outline

- Why EMS?
 - Where to start with an EMS
 - Initial environmental review
 - Barriers
 - To be or not to be certified
 - Case studies
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Why EMS?

- Pollution prevention
 - Opportunities for improvement
 - Legal compliance identification
 - Methods of identification of future legislation
 - Realise financial benefits
 - Encourage dialogue with stakeholders
 - Enhances image
 - Promote efficiency in resource use
 - Track improvement in performance
 - Help promote awareness & increase morale
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Starting point

- Ensure commitment to the EMS
 - Start from the Top!
 - Establish an environmental aims
 - Get to know your organisation
 - Formulate a plan to write and deliver an environmental policy
 - Objectives, targets and programme
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Initial Environmental Review

- Not mandatory
 - Good foundation for the development of an environmental policy and EMS
 - Guidance on the potential issues to be addressed available
 - One off “snap-shot” (more systematic and detailed assessment needed later on)
 - Benchmark (you will be able to look back and know how far you have progressed)
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What to Consider

- Main activities, products and services at the site
 - Potential aspects and impacts:
 - emissions to air, releases to water, land, waste management, raw materials and natural resources, planning conditions, visual impact, noise, energy management, emergency impacts
 - Legal and other requirements
 - Existing environmental management practices & procedures
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What to Consider

- Site plan, site drainage
 - Any environmental history
 - Previous complaints
 - Views of interested parties
 - internal & external
 - regulators, public, customers, suppliers
 - Other activities that may enable or impede environmental protection or performance
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Whom

- Those working for the organisation that are to be involved in the EMS
 - Operations manager,
 - Environmental/H & S manager,
 - Supervisors,
 - Other staff in key areas where their actions may have an impact, e.g. production.
 - Key information providers such as maintenance personnel.
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How to conduct the initial review

- Interviews
 - Evaluation of internal and external communications, complaints, etc,
 - Gathering information
 - Checklists for each operation identified
 - Process flowcharts
 - Site walkabout
 - Inspection
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What's next?

- Implementation and operation
 - Resources, roles, responsibility and authority
 - Competence, training and awareness
 - Communication
 - Documentation
 - Control of documents
 - Operational control
 - Emergency preparedness and response
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Possible barriers

- EMS not embodied into core business activity
 - Lack of understanding of the EMS objectives
 - No top management commitment
 - Lack of time
 - Lack of resources
 - Staff changes
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Environmental Management Systems

- ISO 14001:2004
 - International Standard for EMS
 - Over 6000 certificates in the UK and rising
 - Parallels with ISO 9001 & OHSAS 18001
 - EMAS –Eco-Management and Audit Scheme
 - Europe
 - BS 8555:2003
 - 6 Phases broken down into stages
 - Acorn Inspection scheme
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Why register your EMS?

- Investment
 - Compliance with standards endorsed
 - Credibility
 - Independent checks
 - Competitive edge
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Case studies

- Gemini Dispersions Ltd
 - 14001 since December 2004
 - Produces pigment dispersions for the paint and coatings industries
 - 35 employees in Waterfoot, Rossendale and manufactures 1,200 tonnes of coloured dispersion annually
 - Export to over 40 countries
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Case studies

- Hivolt Capacitors Ltd
 - ISO 14001 since March 2003
 - Produces high voltage capacitors for use in x-ray, power supplies, RF transmitters and other equipment
 - Everything from design and R&D to manufacturing done in-house
 - The business is a growing SME, currently employing 22 people
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Case studies

- Mann Construction Limited, Middlesex, UK
 - ISO 14001 since June 2006
 - Services offered: civil engineering, groundwork and reinforced concrete structures
 - Construction and environmental operations
 - Operates from an acre-and-a-half site in Enfield, comprising of office space, storage areas, workshops and H&S training centre
 - The Company employees 50 employees
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Case studies workshop

- Divide into groups
 - Review the case study material
 - Where would you start
 - Write an initial action plan
 - Nominate spokes person
 - Feedback to the group
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Any Questions?
