

POLLUTION PREVENTION AND ENVIRONMENTAL MANAGEMENT SYSTEMS

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OUTLINE



- ISO 14001 ELEMENTS
- PREVIOUS ENVIRONMENTAL MANAGEMENT
- MOD CORPORATE EMS
- P2 SUB SYSTEM
- ACQUISITION REFORM
- CONCLUSIONS



PREVIOUS ENVIRONMENTAL MANAGEMENT

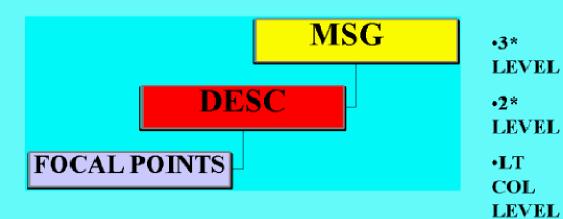


MOD HAD MOST ISO 14001 ELEMENTS

- SECRETARY OF STATE'S ENVIRONMENTAL POLICY STATEMENT
- ENVIRONMENTAL COMMITTEE STRUCTURES
- ENVIRONMENT FOCAL POINTS THROUGHOUT THE DEPT
- JOINT SERVICES PUBLICATION 418 ENVIRONMENTAL POLICY MANUAL
- SPECIALIST ENVIRONMENTAL REVIEW WORKING GROUPS.

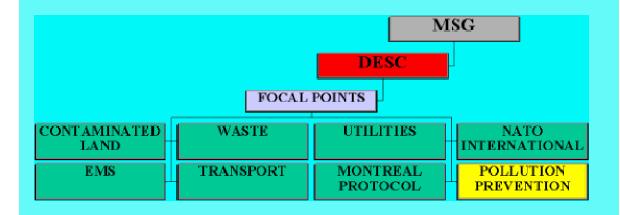
MOD ENVIRONMENTAL COMMITTEES

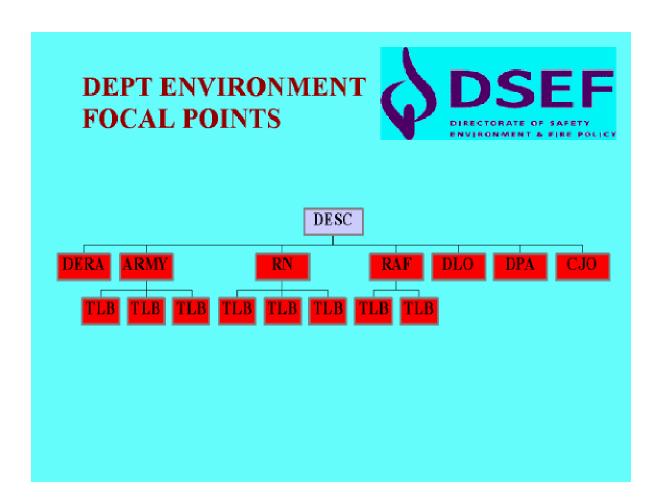












JSP 418 ENVIRONMENTAL POLICY MANUAL



PREVENTION & CONTROL OF POLLUTION

- AIR: LOCAL AIR QUALITY
- AIR: MONTREAL PROTOCOL/ GLOBAL ISSUES
- WATER
- MARITIME AND MARINE
- CONTAMINATED LAND
- ESTATE MANAGEMENT AND CONSERVATION
- NOISE
- RADIATION





• MOD CORPORATE EMS BASED ON ISO 14001 PRINCIPLES

MOD CORPORATE EMS



- EFFECTIVE POLICIES SETTING CLEAR DIRECTION
- MANAGEMENT STRUCTURES AND ARRANGEMENTS TO DELIVER THE POLICY
- MEASURE PERFORMANCE, COLLECT, COLLATE, INTERPRETATE DATA.
- REVIEW PROCEDURES BUILT INTO CURRENT STRUCTURES

MOD CORPORATE EMS



- NEW ENVIRONMENTAL AUDIT CAPABILITY NEEDED.
- ENSURE ENVIRONMENTAL MANAGEMENT PART OF CORE BUSINESS OF DEPARTMENT
- TO SET APPROPRIATE PRIORITIES ENVIRONMENTAL NEEDS BALANCED AGAINST EACH OTHER AND COMPETING REQUIREMENTS & RESOURCES,

MOD CORPORATE EMS



- GUIDED BY
 - -RAF & RN EMS
 - NATO CCMS PILOT STUDY INTO EMS IN THE MILITARY SECTOR
 - GUIDANCE DOCUMENT ON IMPLEMENTING EMS FOR MANAGERS

KEY EMS ELEMENTS



• THE CORPORATE MOD EMS WILL PUT THESE ELEMENTS TOGETHER, BUILDING ON EXISTING MANAGEMENT TOOLS AND ORGANISATIONS WHEREVER POSSIBLE.



- DEFINE SENIOR/MIDDLE MANAGERS ROLE IN DEVELOPING/IMPLEMENTING EMS 4.4.1
- APPOINT EMS CHAMPION FROM SENIOR MANAGEMENT 4.4.1
- RECORD UPDATE LEGAL REGULATORY REQUIREMENTS 4.3.2
- DRAFT ENVIRONMENTAL POLICY FROM ENVIRONMENTAL IMPACTS 4.2



- DETERMINE PRIORITISE MOST SIGNIFICANT ENVIRONMENTAL IMPACTS 4.3.1
- DEVELOP SET OBJECTIVES/TARGETS FROM ENVIRONMENTAL POLICY, 4.3.3
- DEVELOP ENVIRONMENTAL
 MANAGEMENT PROGRAM TO ACHIEVE
 OBJECTIVES/TARGETS 4.3.4
- DEFINE STAFF RESPONSIBILITIES
 RESOURCES DRIVE EMS FORWARD 4.4.1



- IDENTIFY/DEVELOP AWARENESS TRAINING COURSES 4.4.2
- IMPROVE COMMUNICATIONS. 4.4.3
- DEVELOP ENVIRONMENTAL

 MANAGEMENT MANUAL AND RELATED

 DOCUMENTS 4.4.4
- ESTABLISH DOCUMENT CONTROL PROCEDURES 4.4.5
- ESTABLISH OPERATIONAL CONTROL PROCEDURES 4.4.6



- PREPARE FOR EMERGENCIES/CONTINGENCIES 4.4.6
- MONITOR OPERATION OF EMS & SYSTEM'S EFFECTIVENESS. 4.5.1
- ESTABLISH PROCEDURES FOR CORRECTING NON-CONTROL AND NON-COMPLIANCE 4.5.2
- MAINTAIN RECORDS. 4.5.3

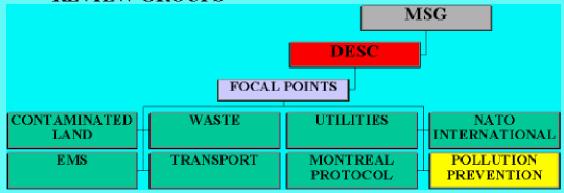


- ESTABLISH ENVIRONMENTAL AUDIT PROCEDURES 4.5.4
- CARRY OUT MANAGEMENT REVIEW OF EMS DETERMINE SUITABILITY, ADEQUACY EFFECTIVENESS, ENSURE CONTINUOUS IMPROVEMENT. 4.6
- PRODUCE AN ENVIRONMENTAL STATEMENT
- CONSIDER EXTERNAL ACCREDITATION





ENVIRONMENTAL REVIEW GROUPS



EMS SUB SYSTEMS



SUB SYSTEM	ARMY	NAVY	RAF	DLO	DPA	PUS	CJO
WASTE							
POLLUTION PREVENTION							
UTILITIES							
CONTAMINATED LAND							
CONSERVATION							
TRANSPORT							



- HEAVY METALS
- BATTERIES
- PESTICIDES
- PAINTING/DEPAINTING
- MONTREAL PROTOCOL
- FUEL USE BASELINES & TARGETS
- VEHICLE CO2 EMISSIONS



- HEAVY METALS
 - CADMIUM
 - CHROMIUM
 - LEAD
 - ALTERNATIVES



- BATTERIES
 - NICKEL CADMIUM
 - LEAD ACID
 - MERCURY
 - LITHIUM



- PESTICIDES
 - ORGANOPHOSPHATES
 - ORGANOCHLORINES
 - INTEGRATED PEST MANAGMENT



- PAINTING/DEPAINTING
 - SOLVENT EMISSIONS
 - CLEANING SOLVENTS
 - LOW SOLVENT MATERIALS
 - SOLVENT MANAGEMENT PLANS



- MONTREAL PROTOCOL
 - HFC REPLACEMENTS
 - ESSENTIAL USE BANK
 - GLOBAL WARMING POTENTIAL
 - USE CONTROLS
 - HALON ALTERNATIVES



- FUEL USE BASELINES & TARGETS
 - DEFENCE FUELS GROUP
 - KYOTO TARGETS



- VEHICLE CO2 EMISSIONS
 - ALTERNATIVE FUELS
 - IMPROVED ENGINES
 - DRIVER TRAINING





- MOST ISO ELEMENTS ALREADY IN PLACE
- ACQUISITION REFORM FOR P2
- IMPLEMENTATION OF CORPORATE EMS APR 2001

