

TRAINING



Integrated Environmental Management Series

Module 4

Consolidated Environmental Implementation & Management Plan (CEIMP)



water affairs

Department:
Water Affairs
REPUBLIC OF SOUTH AFRICA

Purpose



- Co-operative Governance
- Requirement of NEMA (Chapter 3).
- Assist Subcommittee on EIPs / EMPs to align environmental management policies and functions of various Government Departments.
- Aligned with other reporting requirements (e.g. PFMA)
- Reporting on environmental performance (objectives & targets)



Description

- Overview of DWA's mandate, vision, mission and values.
- Overview of DWA's functions, structure, legislative framework.
- EIP = addresses functions with potential impacts on environment.
- EMP = addresses functions which involve management of environment.

R&R

Development:	E&R with contributions from relevant units
Implementation:	Report on performance against sub-programmes for functional areas
Review:	Facilitated by E&R; feedback from line functions
Training:	E&R

Status

Completion:	1 st Edition - 2001; 2 nd Edition - 2008
Phase 1:	

CEIMP

IEMF

E-DSS

EBPG&S

Environmental
Policy

IEM
Series

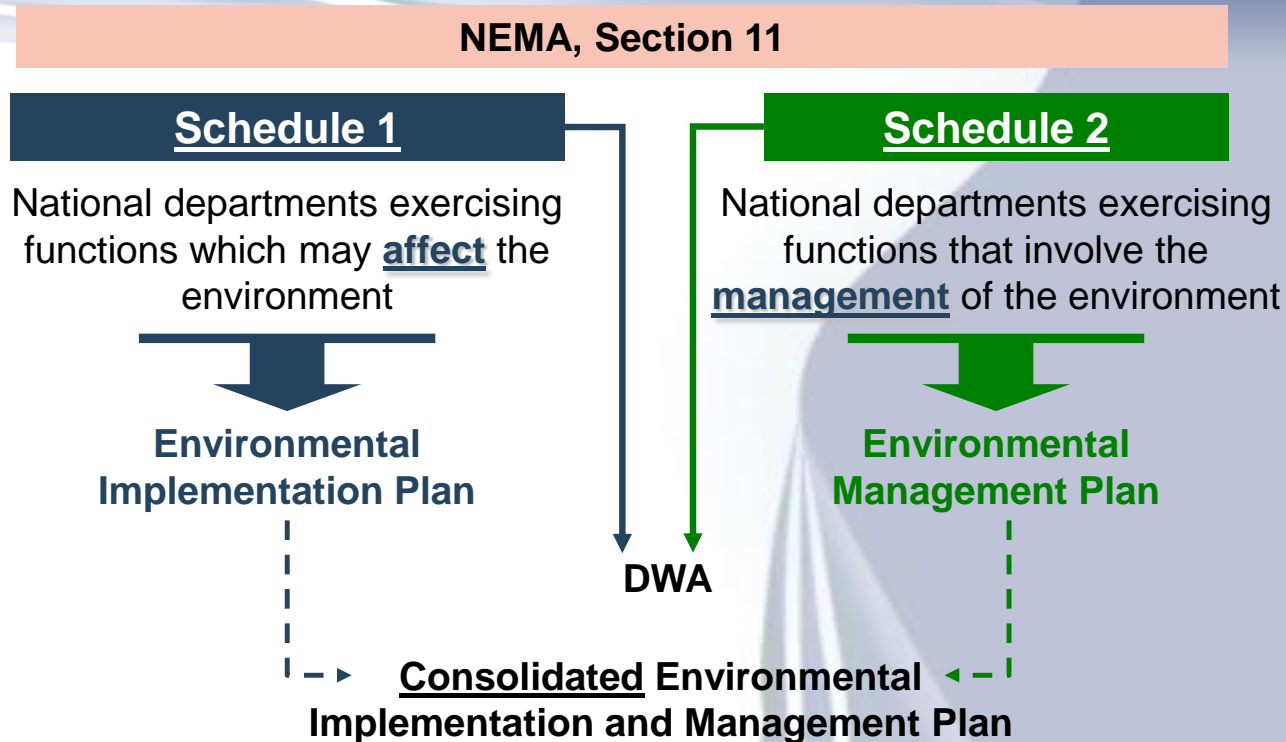
Legal
Guide

Setting
the
scene

Environmental
Monitoring &
Auditing

?

What environmental reporting does DWA need to undertake?



- 1st Ed CEIMP – March 2001.
- 2nd Ed CEIMP – April 2008-March 2012 implementation period.
- 4-year plan of DWA's activities that impact on or manage the environment.
- Compiled by Sub-directorate Environment and Recreation with contributions from relevant departmental units.
- Adopted by DEA Subcommittee on EIPs / EMPs.
- Signed of by DWA Director General → gazetted.
- Annual reports submitted to DEA Subcommittee
- Internal Audit Reports prepared by Sub-directorate Environment and Recreation.

Background to CEIMP

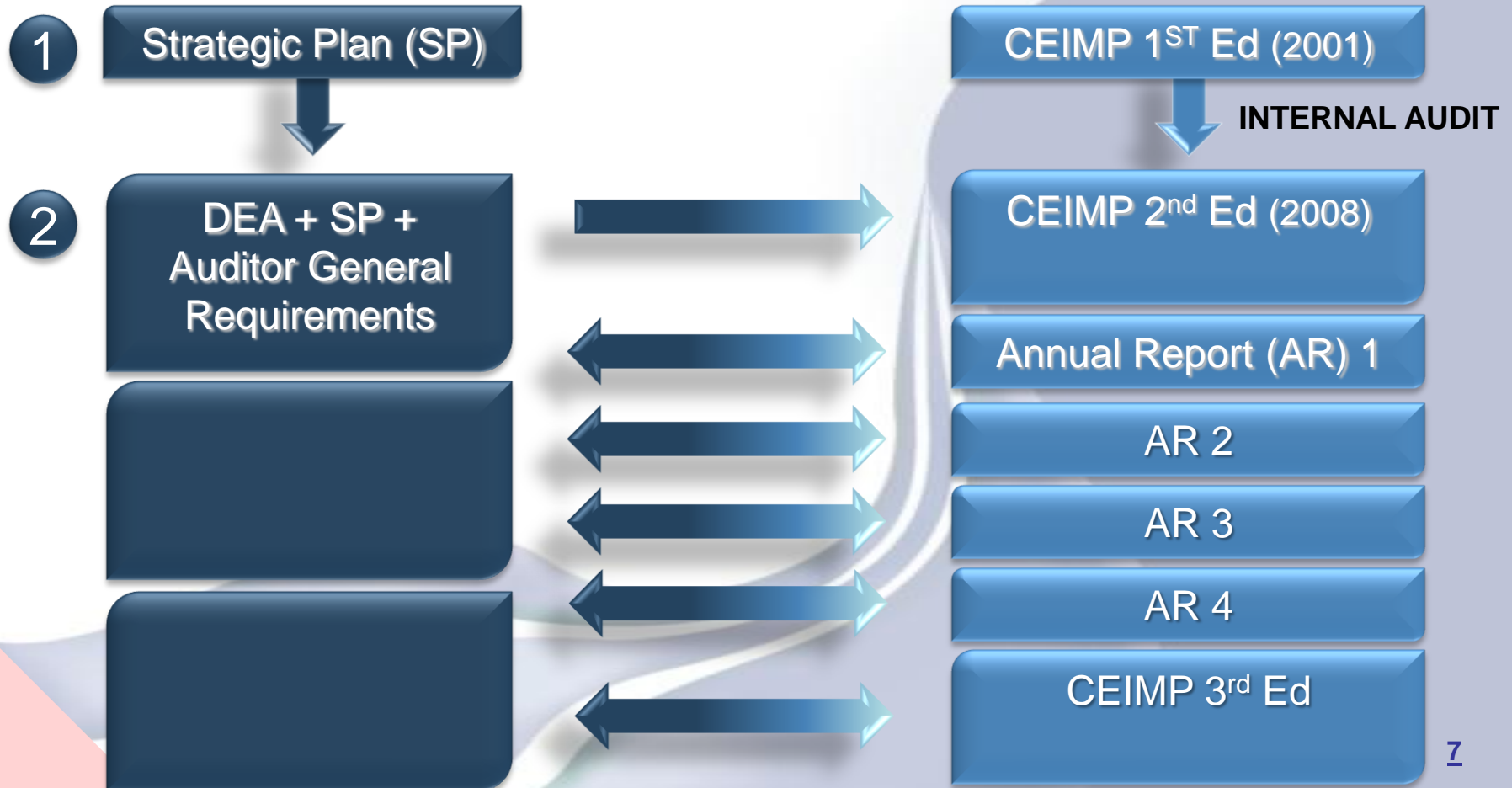
- Section 11 of National Environmental Management Act (107 of 1998)
- CEIMP 1st Edition (March, 2001)

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- CEIMP 1st Edition (March, 2001)

• What was considered for CEIMP 2nd Edition (April, 2008)?

- Address findings of audits of 1st Edition -
 - Close-out audit and findings (2006)
 - Auditor General (2006)
- DEA Guideline (2005)
- Satisfy DWA internal reporting requirements
- Assist Subcommittee on EIPs / EMPs in co-ordinating and harmonising environmental policies, plans, programmes and decisions throughout the various spheres of Government

Process adopted for compiling 2nd Edition CEIMP



Although primary focus of CEIMP = comply with NEMA Section 11 , DWA has used the opportunity to co-ordinate an **effective environmental performance reporting structure** - aligned / harmonised with other –

- Reporting requirements;
- Structures; and
- Strategic business plans within the department.

What is the Purpose of the CEIMP?

- 1

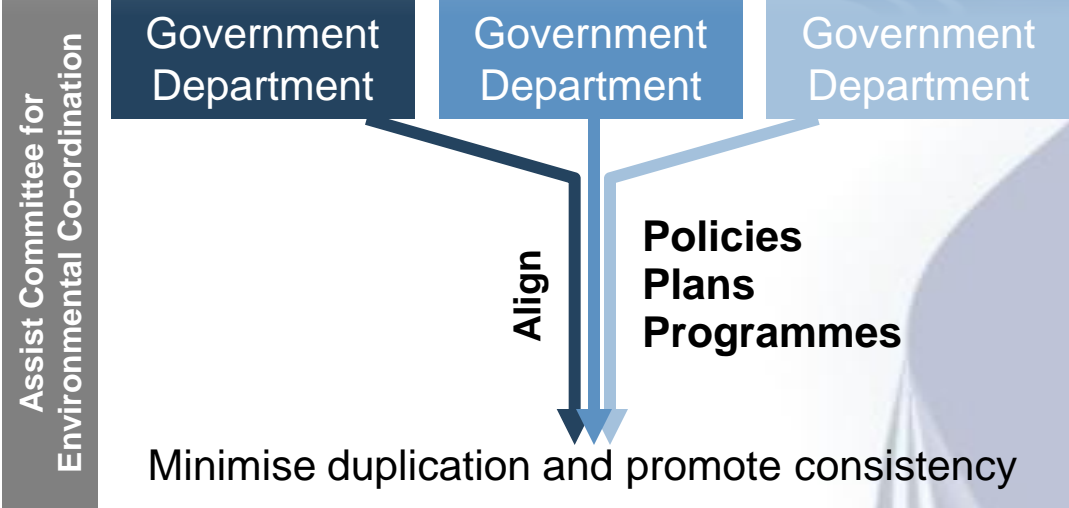
Assist Committee for Environmental Co-ordination

Government Department Government Department Government Department


Align

Policies
Plans
Programmes


Minimise duplication and promote consistency


- 2


Promote co-operative governance


- 3


Sustainable management - water resources


- 4

Include social, economic and environmental considerations throughout the department's decision-making processes

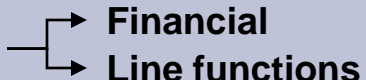

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Address findings of audit of DWA's 1st Ed CEIMP by the Auditor General in 2006

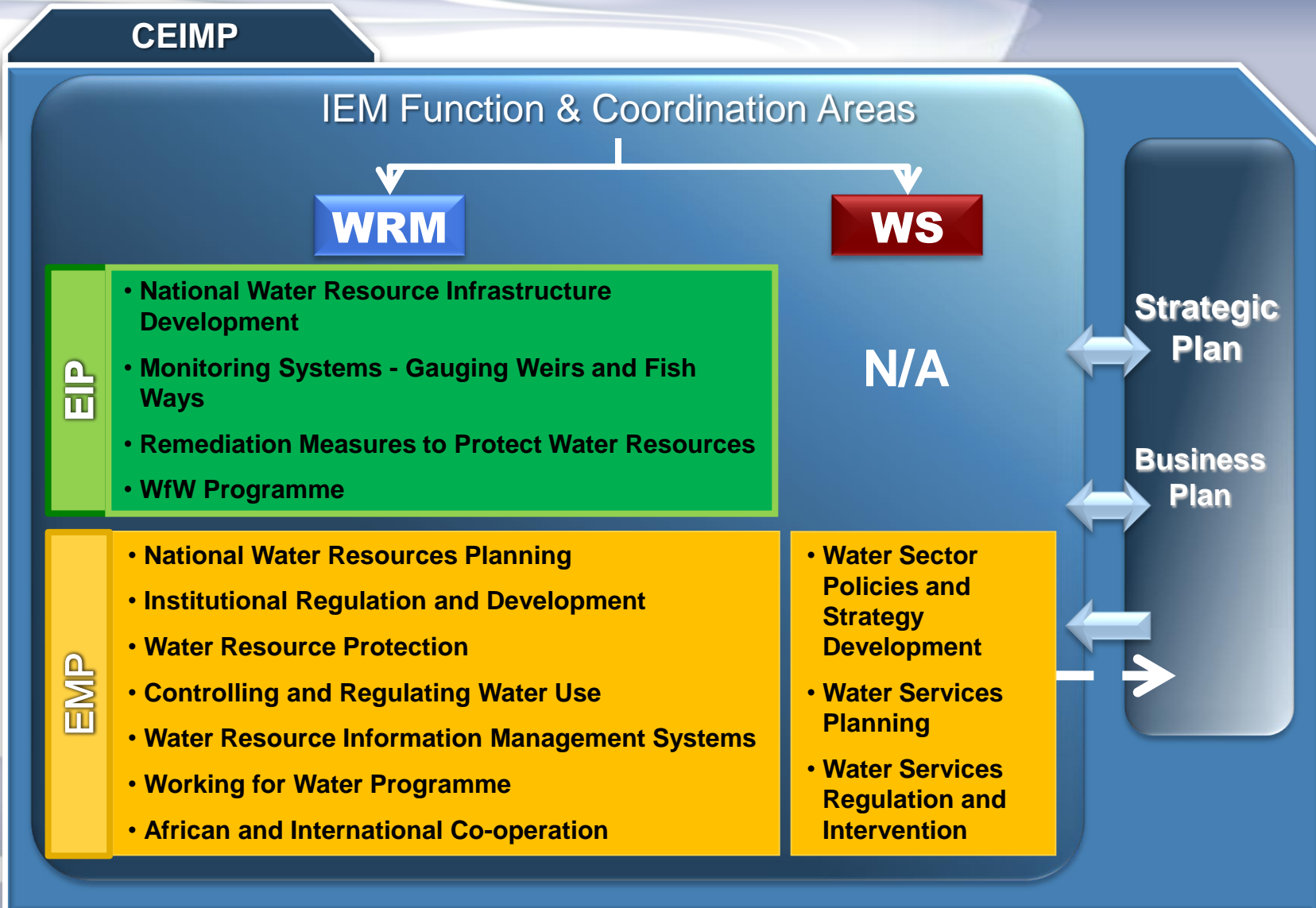

- 6

Coordinate environmental reporting with reporting requirements

Financial
Line functions



What is in the CEIMP?



What is in the CEIMP?

Introduction

Environmental Implementation Plan

Policies, plans and programmes (**P, P & P**) that significantly affect the environment

Manner in which P, P & P will comply with NEMA principles and national norms and standards

Manner in which P, P & P will exercise the function of environmental management

Recommendations to promote IEM

Action plan for the implementation of P, P & P

Environmental Management Plan

DWA's environmental functions

Environmental norms and standards

P, P & Ps designed to ensure compliance with policies

Priorities regarding compliance

Extent of compliance

Environmental management arrangements for co-operation

Proposal for the promotion of objectives and plans for IEM

Action plan for the management of P, P & P

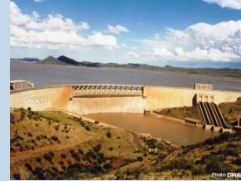


ENVIRONMENTAL IMPLEMENTATION PLAN

DWA's functions that significantly affect the environment

WRM

- National Water Resource Infrastructure Development
- Monitoring Systems for Gauging Weirs and Fish Ways
- Remediation Measures to Protect Water Resources
- Working for Water Programme



~~WS~~

DWA has moved away from being an Implementer in WS to a regulatory function only.



ENVIRONMENTAL IMPLEMENTATION PLAN

DWA's functions that significantly affect the environment

WRM

~~IS~~

Compliance with NEMA principles and national norms and standards

- IEM Series
- Strategic Environmental Assessment
 - Sub-Directorate: SFRA
- Public Participation
 - Generic Public Participation Guidelines
- Working for Water Programme
 - Environmental Management Plan
- TCTA and NWRI Branch
 - Environmental Monitoring Committees (EMC); Authorities Co-ordination Committees (ACC); Environmental Compliance Officer (ECO)

ENVIRONMENTAL IMPLEMENTATION PLAN

DWA's functions that significantly affect the environment

WRM

~~WS~~

Compliance with NEMA principles and national norms and standards

- IEM Series
- Strategic Environmental Assessment
- Public Participation
- TCTA and NWRI Branch

Arrangement for co-operation

Structures for Co-ordination and co-operation:

	WRM	WS
DWA	e.g. National Water Resources Planning; Water Use; RDM	N/A (transferred to local government)
National, Provincial and Local Government	e.g. Environmental Affairs (National and Provincial); Mineral Resources	
International partners	e.g. SADC Revised Protocol on Shared Watercourses	
Parastatals	e.g. SANBI, Eskom, Transnet	
Conservation Authorities	e.g. Cape Nature (Western Cape), Ezemvelo KZN Wildlife	

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Arrangement for co-operation

Structures for Co-ordination and co-operation

Recommendations to promote IEM

- Environmental Management Plans
- Resettlement plans
- Rehabilitation plans
- Impact Assessment
- Risk Assessment
- Method statements
- Design drawings
- Master layout plan
- Integrated Water and Waste Management plan
- Ecological Reserve
- Resource Quality Objectives
- Resource Classification
- Receiving Water Quality Objectives
- Monitoring, Auditing and Reporting Programmes
- Alternatives
- Wetland Management and Rehabilitation Plans
- Stormwater Management Plans
- Enforcement protocol
- IEM Series will be rolled out
- Environmental reporting will be linked to the CFO reporting structures
- Roles and responsibilities of EMCs, ACCs and ECO functions will be continued and strengthened
- Memorandums of Agreement (MoAs) / Memorandums of Understanding (MoUs)
- Public Participation

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Action Plans

Compliance Key Action Areas for WRM

- National Water Resource Infrastructure Development
- Monitoring Systems - Gauging Weirs and Fish Ways
- Remediation Measures to Protect Water Resources
- WfW Programme

Example

Compliance Key Action Areas for National Water Resource Infrastructure Branch

Sub Programme	Outputs	Measure	High Priority Activities	Responsible Component	08/09 - 11/12	
					Target	Budget
Sustainable Infrastructure Implementation	Implementation of new bulkwater infrastructure to facilitate economic growth and development	% completion as per project Programme	Implementation of new bulkwater infrastructure to facilitate economic growth and development	DDG: National Water Resource Infrastructure Branch	Vaal River Eastern Sub-System Augmentation Project (VRESAP) 100% commissioned	

Compliance Key Action Areas for National Water Resource Infrastructure Branch

Sub Programme	Outputs	Measure	High Priority Activities	Responsible Component	08/09 - 11/12	
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Sub-Programme: Sustainable Infrastructure Implementation

Outputs: Implementation of new bulk-water infrastructure to facilitate economic growth and development

Measure: Percentage completion as per project programme

High Priority Activities: Implementation of new bulk-water infrastructure to facilitate economic growth and development

Responsible Component: Deputy Director General: National Water Resource Infrastructure Branch

2008/9		Budget Spent	What was achieved?	What was not achieved?	Implications	Solutions	Plans for 2009/10
Target	Budget '000						
Vaal River Eastern Sub-System Augmentation Project (VRESAP) 100% commissioned - TCTA			Commissioning of all projects components to supply water to the delivery points, using the temporary abstraction works, successfully completed	final testing of three pumps running together			VRESAP: final acceptance after defects liability period

ENVIRONMENTAL MANAGEMENT PLAN

DWA's environmental management functions

WRM

- National Water Resources Planning
- Institutional Regulation and Development
- Water Resource Protection
- Controlling and Regulating Water Use
- Water Resource Information Management Systems
- Working for Water Programme
- African and International Co-operation

WS

- Water Sector Policies and Strategy Development
- Water Services Planning
- Water Services Regulation and Intervention

ENVIRONMENTAL MANAGEMENT PLAN

DWA's environmental management functions

WRM

WS

Compliance with DWA's policies, norms and standards

- Environmental Policy
- National norms and standards for water tariffs
- Integrated Environmental Management Framework (IEMF)
- Sustainable Development Management System
- Water Services National Information System (WSNIS)
- Water Quality Management System (WQMS)
- Groundwater Protocol
- Assessment of consideration for water use approvals (ACWUA)
- Desktop visioning for Resource Directed Management of Water Quality
- Spatial and Time Series Information Modelling Software (SPATISM)
- Groundwater Resource Directed Measures Model
- Resource Water Quality Objective Model
- Principles of Criteria Indicators and Standards (PCI&S)

ENVIRONMENTAL MANAGEMENT PLAN

DWA's environmental management functions

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Arrangement for co-operation

Structures for Co-ordination and co-operation:

- **DWA** – e.g. Management Committees, Technical Committees
- **National, Provincial and Local Government** – e.g. Director General Cluster; Water Sector Leadership Group; Provincial Water Sector Development Plans; Wetland Forums
- Subcommittee on EIPs / EMPs; and other technical committees

	WRM	WS
DWA	e.g. National Water Resource Infrastructure Branch ; Water Use; RDM	e.g. Water Resource Management; Legal Services; Water Services
National, Provincial and Local Government	e.g. Environmental Affairs (National and Provincial); Mineral Resources; Provincial and Local Government	e.g. Provincial and Local Government; Housing; Health
International partners	e.g. SADC Revised Protocol on Shared Watercourses	e.g. NEPAD; SADC; African Minister's Council on Water (AMCOW)
Parastatals	e.g. SANBI, Eskom, Transnet	
Conservation Authorities	e.g. Cape Nature (Western Cape), Ezemvelo KZN Wildlife	
Water Management Institutions & Water Service Providers	CMAAs, Water User Associations, Irrigation Boards	Umngeni Water, Rand Water, Sedibeng Water, Magalies Water, Bloem Water, etc.

ENVIRONMENTAL MANAGEMENT PLAN

DWA's environmental management functions

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Arrangement for co-operation

Structures for Co-ordination and co-operation

Promotion of objectives and plans for IEM

- The IEM Series and IEM Steering Committee will be the main driving forces to promote IEM
- Rolled out through the IEM Series and CEIMP communication and implementation strategies
- DWA Environmental Policy
- Classification of Water Resources
- Planning initiatives to protect Water Resources
- Ecological Reserve
- Water Quality database
- Water Services database
- Setting up operational policies
- Guideline monitoring programme (e.g. Water Quality Guidelines)

ENVIRONMENTAL MANAGEMENT PLAN

DWA's environmental management functions

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Arrangement for co-operation

Structures for Co-ordination and co-operation

Promotion of objectives and plans for IEM

• The IEM Series and IEM Steering Committee will be the main driving forces for IEM
 • Roll out through the IEM Series and CEMP communication and implementation strategies
 • O&M/Operational IEM
 • Identification of IEM resources
 • Planning activities to protect Water Resources
 • Ecological Review
 • Water Quality objectives
 • Water Quality standards
 • Setting up operational programmes
 • Guidelines monitoring programme (e.g. Water Quality Guidelines)

Action Plans

Compliance Key Action Areas for WRM & WS

WRM

- National Water Resources Planning
- Institutional Regulation and Development
- Water Resource Protection
- Controlling and Regulating Water Use
- Water Resource Information Management Systems
- Working for Water Programme
- African and International Co-operation

WS

- Water Sector Policies and Strategy Development
- Water Services Planning
- Water Services Regulation and Intervention

Example

Compliance Key Action Areas for Water Resource Protection

Sub Programme	Outputs	Measure	High Priority Activities	Responsible Component	08/09 - 11/12	
					Target	Budget
Protection policies and measures	System developed for assessment and protection of water resources	Water resources classified in priority catchments	Classification system procedure developed Conservation planning policy finalised	Chief Director: Resource Directed Measures	Finalise classification system regulations Conservation planning policy finalised	R 2.5 mil

Compliance Key Action Areas for Water Resource Protection

Sub Programme	Outputs	Measure	High Priority Activities	Responsible Component	08/09 - 11/12	
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Sub-Programme: Protection policies and measures

Outputs: System developed for assessment and protection of water resources

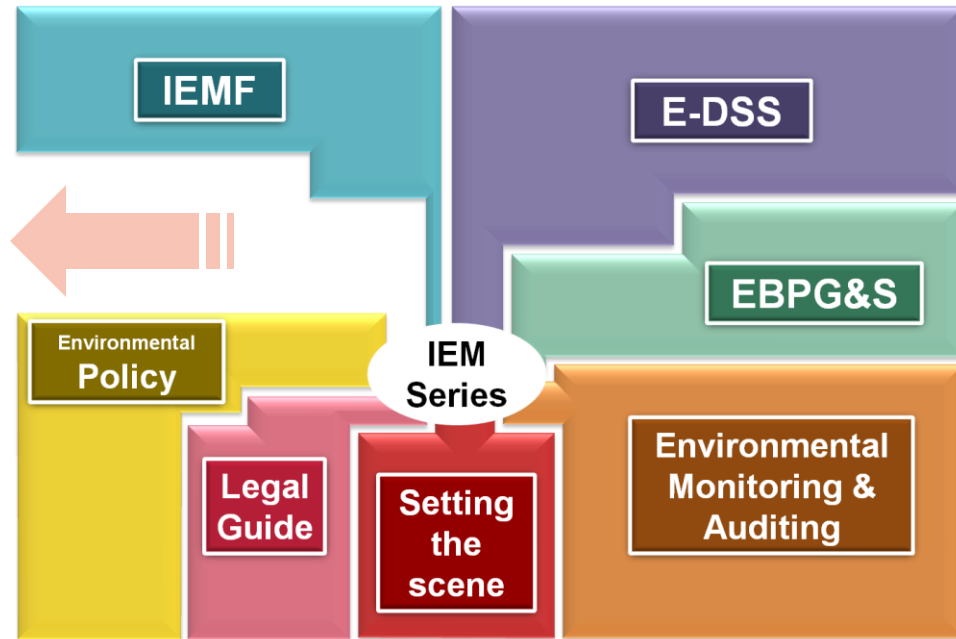
Measure: Water resources classified in priority catchments

High Priority Activities: Classification System Procedure Developed

Responsible Component: Chief Director: Resource Directed Measures

2008/9		Budget Spent	What was achieved?	What was not achieved?	Implications	Solutions	Plans for 2009/10
Target	Budget '000						
Finalise classification system regulations	R 955 269	R 198 602	Draft Classification System developed.	Compilation of reports on all comments on the second draft	The implementation of the Water Resource Classification system cannot be carried out before it is gazetted. On the other hand other processes in the IWRM cannot continue without the latter.	The second submission to finalise the gazetting have been forwarded the DG's for approval.	Classification system regulations promulgated.

CEIMP



- ? What environmental reporting does DWA need to undertake?
- ? What is your role in environmental reporting?



What is your role in terms of the CEIMP?

- ☞ Provide input bi-annually (May & Nov) on new programmes & priorities, environmental highlights, challenges, partnerships and cooperative governance.
- ☞ Update Action Plans for Implementation of Policies, Plans and Programmes annually.
 - ☞ Notify the Sub Directorate: E&R of any new policies, plans, programmes and agreements that need to be included in the document.
 - ☞ Ensure that all business plans provide a budget for the implications of the CEIMP on your line functions, as per PFMA requirement in Sections 40(3)(a) and 55(2)(a) .
 - ☞ Implementation of activities accordingly and timely.
 - ☞ Incorporate Office of Auditor General findings.
 - ☞ How does DWA interact with Local Authorities?
 - ☞ Achievements in terms of authorisations.
 - ☞ Alignment of policies and guidelines - national and international departments.
- ☞ Given that the implementation of the CEIMP is a mandatory requirement, you must ensure that all officials are sensitised to the principles of the CEIMP and report timeously as required.



Conclusions

- Department updates CEIMP Communication and Implementation Strategy for each four year cycle.
- Rolled out through the IEM Series and associated training initiatives.
- Development of 2nd Edition CEIMP has taken into account key findings of the audit of the 2006 CEIMP.
- Annual progress report on CEIMP Editions and annual performance audit to ensure corrective measures.
- SDMS will assist in effective environmental reporting mechanisms.
- Where possible, include financial implications of management and impacting functions through annual CEIMP 2nd Edition progress report - strive to adopt Environmental Management Accounting.
- Cooperative Governance - MoA's and/or through development of policies, plans and programmes on a sector and inter-department level.
- CEIMP = basis for better reporting, understanding & integration of environmental issues within DWA.

End – Module 4
