

SOCIAL AND ECOLOGICAL SERVICES

BUSINESS PLAN: 2001 – 2002

Social and Ecological Services is a sub-programme of Programme 2: Water Resources Assessment responsible to:-

1. Provide social and ecological services for impacts of Departmental water resources development projects, viz water resource development, including dam sites, canals and other structural development, for:-
 - Environmental impact assessments
 - Social impact assessments; negotiations for re-settlement and safety of communities
 - Guiding and creating awareness within Departmental staff at construction sites into rehabilitation and minimisation of environmental impacts
 - Ensuring that ecological sustainability is embodied in all Departmental constructions as appropriate, including fishways on Departmental dams and weirs, protection of the riparian zone around construction sites
2. Ensure the management and control of access and use of government water works (Chapter II of the NWA, No 36 of 1998).
3. Ensure the following Departmental obligations in terms of environmental legislation are met:-
 - Requirements of the Environment Conservation Act are met in terms of EIAs for Departmental water resources development projects (see 1. Above)
 - Requirements of the National Environmental Management Act (NEMA) are met in terms of No 107 of 1998 Chapters 1, 3 and 5.
4. Implement environmental monitoring, auditing and reporting systems (chapter 3 of NEMA, chapter 14 of NWA and
5. Ensure the implementation and regulation of 21 (c), (i) and (k) water uses of the NWA (Act 36 of 1998).
6. Identify and regulate controlled activities under sections 37 and 38 of the NWA.

Other functional requirements:

Programme 2 is responsible for provision of hydrological information. This information has traditionally focussed on streamflow and dam levels, along with monitoring of water quality in surface water and measurements of groundwater availability, quality and yield. Environmental indicators have recently been incorporated into the hydrological information system, allowing the department to assess the status of the aquatic environment on an ongoing basis. This information is essential for monitoring sustainability of water resources use, particularly in balancing the effect of water use against the need to ensure environmental stability. Environmental information is further needed for identifying adverse impacts where these may historically exist, or may emerge under changing water use patterns. The effects of appropriate rehabilitation actions can also be monitored through this type of information.

The sub-programme is in the process of assisting in the routine monitoring of ecosystem health, biodiversity and the aquatic environment.

In addition, the sub-programme assist in the carrying out of social assessments, and in the process of developing tools and systems to monitor and manage social and environmental (ecological) considerations associated with water development.

FUNCTIONAL AREA: WATER RESOURCES MANAGEMENT
BUSINESS PLANNING UNIT: SCIENTIFIC SERVICES
SUB-PROGRAMME: SOCIAL AND ECOLOGICAL SERVICES

Core functions	Activities	Key outputs	Budget	Target dates
Monitoring and assessment of water resources	Development of a performance auditing, monitoring and management system	<ul style="list-style-type: none"> Monitoring, auditing and management system or protocol in place for social and ecological assessments. Develop evaluation protocol and guidelines for management responses Information management – support development and implementation of the NIMS Develop guidelines for SIA and EM report writing Protocol for compliance to licence conditions of water uses [s21 (c), (i) and (k)] Finalisation and testing of environmental and social indicators 	R80 000	Oct 2001 March 2002 Ongoing Nov 2001 2002/2003 March 2002
	Management of information relating to water uses and use of state dams	<ul style="list-style-type: none"> Guidelines for the storing, collation and dissemination for water uses [s 21(c), (i) & (k)]. Usage and implementation of MAIS and WARMS for water uses and water development projects. 	R20 000	2001 Ongoing
	Monitoring implementation of zoning (sustainable access, use and development or SAUD) plans for state dams	<ul style="list-style-type: none"> Development of a monitoring system. 	R30 000	2002/2003
	Monitoring, auditing and reporting on IEM for the Department	<ul style="list-style-type: none"> Monitoring systems in place on the DWAF environmental performance for reporting Auditing and reporting systems in place as required by NEMA for the EIP/EMP 	R50 000	March 2002 Dec 2001
Scientific and technical support for water resources management	Environmental services	<ul style="list-style-type: none"> Environmental management framework. Manual for the application of Environmental Management. Development of a sustainable access, use 	R500 000	Nov 2001 Nov 2001 Aug 2001

Core functions	Activities	Key outputs	Budget	Target dates
		<p>and development (SAUD) policy and strategy for Government Waterworks and all other water resources.</p> <ul style="list-style-type: none"> • Pilot testing of SAUD policy & planning process: <ul style="list-style-type: none"> - Avaibre - Inanda - Realignment of existing plans: Buffelspoort, Roodeplaat, Pongola - Supporting existing process in regions: Vaaldam, Hartebeespoort dam (Feb 2002) • Implementation of assessment protocols. • Environmental Impact Assessments. • Refinement and implementation of Resources Directed Measures for Water Resources. <ul style="list-style-type: none"> - Estuaries: Refinement and pilot testing - Wetlands: Refinement and implementation • Rehabilitation and remedial actions for addressing adverse impacts or degradation. • Support with development and implement of catchment management strategies (Social & Ecological) • Development of an appropriate pricing strategy for charges for recreational water use. • Implementation of the CEIMP. • Contribution towards the NWRS and CMS (Environmental, Reserve, Social etc) 		<p>Ongoing/Continuous. Feb 2002 Aug 2001 Feb 2002 Feb 2002 Ongoing. Ongoing/Continuous. Aug 01/Ongoing Aug 01/Ongoing May 2001 Ongoing Feb 2002 June 2001 June 2001</p>
	Social services	<ul style="list-style-type: none"> • Social assessment framework for the DWAF • Social assessment and relocation processes to promote socio-economic upliftment of affected and displaced 	R300 000	<p>Nov 2001 Ongoing</p>

Core functions	Activities	Key outputs	Budget	Target dates
		<p>communities.</p> <ul style="list-style-type: none"> • Social impact assessment of water resources development projects. • Empowering disadvantaged communities through water development programmes (ensuring equity, poverty eradication, etc). • Strategy to address social value of water including cultural requirements of water use. • Development of Social Impact Assessment checklist. 		<p>Ongoing</p> <p>Ongoing</p> <p>Sept 2001</p> <p>May 2001</p>
	Implementation of IEM	<ul style="list-style-type: none"> • Technical and scientific support for implementing of the EMF and SAF. • Technical and scientific support for DWAF in implementing the CEIMP. • IEM reporting in terms of chapters 3 and 5 of NEMA. 	R50 000	<p>Dec 2001/ Ongoing</p> <p>June 2001/ Ongoing.</p> <p>Feb 2001/ Ongoing.</p>
	Licence application assessments	<ul style="list-style-type: none"> • Authorisation protocol for the water uses under section 21(c), (i) and (k) of the NWA. • Setting and drafting of general licence conditions for section 21(c), (i) and (k) water uses of the NWA. • Identify of priority areas for compulsory licensing for water uses. • Technical and scientific support for other water uses under section 21 of the NWA. 	R100 000	<p>Ongoing</p> <p>July 2001</p> <p>Nov 2001</p> <p>Ongoing</p>
Development support and policy implementation of water resources management	Development of strategies, plans and programmes for the implementation of IEM.	<ul style="list-style-type: none"> • Revise and standardised environmental specifications (general) to include in all civil engineering contract documents at the tender stage (SABS 1200). • Strategy for an EMS. • Revise and update standardise Environmental Management Plan (EMP). • Strategy for the alignment of RDM activities and IEM procedures. <p>Development and implementation of</p>	150 000	<p>Nov 2001</p> <p>Dec 2001 July 2001</p> <p>Dec 2001</p>

Core functions	Activities	Key outputs	Budget	Target dates
		<p>environmental indicators .</p> <ul style="list-style-type: none"> • Development of (Refinement) and implementation of an environmental awareness course. • Implementation support for SAF. • Development of an early warning system through auditing and reporting. • Implementation of training, programmes for impact minimisation and rehabilitation at Departmental constructions sites. • Development of an appropriate system to ensure the implementation of the CEIMP. • Development of wetlands framework (Delimeation, , Assessment, Impacting activities, Preservation and conservation, RAMSAR sites and Reserve requirements) • Controlled activities (S38 of NWA): <ul style="list-style-type: none"> - development of framework (policy). - Identification of controlled activities (e.g farm dams, front dams, etc.) 		<p>Feb 2002</p> <p>Ongoing Feb 2002</p> <p>June 2001/ Ongoing</p> <p>May/June 2001</p> <p>Feb 2001</p> <p>Dec 2001</p>

Core functions	Activities	Key outputs	Budget	Target dates
	Guidelines and regulations	<ul style="list-style-type: none"> • Development of regulations for water uses under section 21(c), (i) and (k) • Finalisation of public participation guidelines. • Finalisation of relocation and resettlement guidelines plans. • Finalisation of guidelines for development of special environmental features (NEMA principles and chapter 5 of NEMA). • Finalisation and implementation of guidelines, standards and norms for social impact assessment (SIA) for DWAF functions. • Draft and confirm regulations and norms and standards regarding safety aspects related to recreational water use. • Guidelines criteria for providing financial assistance regarding recreational water use. • Regulations related to financial assistance and incentives for recreational water use. • Development of an appropriate pricing strategy for charges for recreational water use. • Completion of General Authorisations for S21 (c) and (i) of the NWA. 	R200 000	Dec 2001 June 2001 Nov 2001 Feb 2001 Jan 2002 Sept 2001 2002/2003 2002/2003 Feb 2002 June
	Provide Social Support Service to water Resources Management and department development projects.	<ul style="list-style-type: none"> • Development of procedural guidelines for resolving conflict and addressing complaints for water resources development projects (conflict resolution model). • Development of standards and norms for SIA for the DWAF functions. • Development of monitoring and auditing systems guidelines of Social Impact Assessment and social assessment indicators. 	125 000	Nov 2001 May 2001 Nov 2001

