



water & sanitation

Department:
Water and Sanitation
REPUBLIC OF SOUTH AFRICA

PROJECT PLAN: NATIONAL EUTROPHICATION STRATEGY PROJECT UPDATED: 5 SEPTEMBER 2019

1. Introduction

The main aim of the project is to develop the National Eutrophication Strategy which provides guidance to the Department and the water sector at large, on strategies to avoid, reduce and mitigate the effects of eutrophication of South African (SA) water resources.

2. Background Information

Reasons which informed the need of the strategy are amongst others, the following:

- As the Directorate: Water Resource Protection and Waste developed the Draft “Operational Guideline to develop Catchment Eutrophication Management Strategies” and the “Strategy to regulate Agricultural Water Use with pollution potential” in 2014, since then no implementation of the draft strategies were done. The documents were never signed-off or approved, the timeframes appended in the draft strategies elapsed before implementation commenced. Instead of reviewing that strategy and a guideline which was scaled at a catchment level, a National Eutrophication Strategy needs to be developed.
- New developments such as water resources are now classified, Resource Quality Objectives (RQOs) are now set, the Master Plan has been developed and a need to comply with Strategic Development Goals (SDG) 6. In order to take all the Source Directed Controls (SDC) and Resource Directed Measures (RDM) in place into consideration, a National Eutrophication Strategy needs to be developed.

- In 2017 DWS started to revise, update and consolidate its water quality management related policies and strategies and developed the IWQM Policies and Strategies for South Africa. The IWQM Strategy sets out the prioritized strategic actions that need to take place to achieve the vision and mission for water quality management in SA. As a call to operationalize the IWQM Strategy, the DWS developed the IWQM Plan for the Olifants River System in February 2018. Both projects developed strategic actions and plans to reduce non-point sources of water pollution and thus another reason a National Eutrophication Strategy is being developed in order to implement those actions.

The project will be done in-house with the assistance of the existing internal capacity. The DWS internal meetings held since the Project Planning Meeting of 30 April 2019 culminated a list of the Directorates and names of the officials who **committed to be part of the Project Task Team Members (Table 1)**. In addition, each Regional Office nominated a representative **(Table 2)** to assist with sourcing Eutrophication related data and or information within their Water Management Areas.

3. Project Deliverables

The project will be initiated during **2019/2020-2020/2021** financial year and will be concluded within 24 months from the date of initiation. The first version of the strategy will be completed within the April-December 2020 financial year of the project. The time remaining will be used to finalise all the other relevant deliverables, with the view of incorporating the lessons learnt during this time into the final edition of the strategy and implementation plan towards the end of the project contract. Allowance for time to close the project will also be made available. Project deliverables/milestones are indicated in **Table 1** are expected to be conducted in-house, except the **External Review** deliverable due to the nature that a reviewer must be independent of the project.

Table 1: National Eutrophication Strategy Project deliverables/milestones (2019/20-2020/2021)

Component	Deliverables	Directorate / Designation	Technical Task Team Members	Sub-Task Members (Specialization)	*Estimated Timeframe (months)
Project Planning	<ul style="list-style-type: none"> • Compile a Draft Stakeholder database 	Director: SDC	Ms Tovhowani Nyamande		Apr-June 2019
	<ul style="list-style-type: none"> • Project Plan • Convene a PMC meeting 	Director: SDC			Jul-Sep 2019
	<ul style="list-style-type: none"> • Draft a Project Steering Committee (PSC)'s ToR • Updated stakeholder database 	Director: SDC			Oct-Dec 2019
	<ul style="list-style-type: none"> • Compile draft Inception Report 	Production Scientist: SDC	Mr Samkele Mnyango		Jan-Mar 2020
	<ul style="list-style-type: none"> • Inception Report (Final) 	Production Scientist: SDC			Apr-Jun 2020
Situation Assessment and gaps analysis	<ul style="list-style-type: none"> • A Report on eutrophication challenges in South Africa and their causes 	Production Scientist: RQIS	Mr Elijah Mogakabe	Mr Sazi Mthembu	Jan-Mar 2020
		Deputy Director: WRP&W ; Environmental Officer (Production)	Mr Willy Mosefowa	Ms Chocky Tshenkeng	

Component	Deliverables	Directorate / Designation	Technical Task Team Members	Sub-Task Members (Specialization)	*Estimated Timeframe (months)
	<ul style="list-style-type: none"> Climate Change 	Scientific Manager: Climate Change	Ms Pumza Dubula		
	(National Eutrophication Monitoring Programme)	Production Scientist: RQIS	Mr Elijah Mogakabe	Ms Nloyziso Mbiza	
	(Hartbeespoort Dam Project, Lessons learned)	Hartbeespoort Dam Regional: Kuperoord	Mr Peet Venter		
	(Wastewater Regulation)	DD: Wastewater Services Regulation – Green Drop	Ms Mpho Morokane		
	<ul style="list-style-type: none"> A Literature Survey Report of international, national and any other applicable policies, strategies, practices, approaches, concepts and other related information 				
	Literature Review - applicable policies, strategies, practices, approaches, concepts and information	Deputy Director: WRP&W ; Environmental Officer (Production)	Mr Willy Mosefowa	Ms Chocky Tshenkeng	Jan-Mar 2020

Component	Deliverables	Directorate / Designation	Technical Task Team Members	Sub-Task Members (Specialization)	*Estimated Timeframe (months)
	Climate Change	Scientific Manager: Climate Change	Ms Pumza Dubula		
	(Policy)	DD: Policy (Water Quality)	Mr Tendamudzimu Rasikhanya		
	(Strategy)	DD: Water Sector Strategy Coordination	Ms Mahadi Mofokeng		
Development of a National Eutrophication Strategy	• National Eutrophication Strategy (first edition)	Deputy Director: WRP&W ; Environmental Officer (Production)	Mr Willy Mosefowa	Ms Chocky Tshenkeng	Apr-Dec 2020
	• National Eutrophication Strategy (final edition)	Scientific Manager: IWRP	Mr Pieter Viljoen	Mr Jurgo Van Wyk	
	• Summary User-friendly version of the strategy	Scientific Manager: IWRP		Mr Geert Grobler	
	• Strategy into Practice Report (First Edition)	Production Scientist: IWRP		Ms Lebo Mosoa	
Converting Strategy into practice	(Wetlands Coordination)	Production Scientist: IWRP	Ms Jacqueline Jay		Jan-Feb 2021
					Jan-Feb 2021

Component	Deliverables	Directorate / Designation	Technical Task Team Members	Sub-Task Members (Specialization)	*Estimated Timeframe (months)
	(Sanitation Management)	DD: Sanitation	Ms Lusanda Agbasi		
	(Wastewater Regulation)	DD: Wastewater Services Regulation – Green Drop	Ms Mpho Morokane		
	(Monitoring coordination)	DD: Integrated Water Resource Management Support	Ms Nolusindiso Jafta		
	<ul style="list-style-type: none"> • Strategy into Practice Report (Final Edition) 	DD: Compliance Monitoring & Investigations	Mr Resenga Philemon Shibambo		
Capacity Building	<ul style="list-style-type: none"> • Detailed capacity-building report (which includes the mentorship, capacity building workshops and stakeholder empowerment sessions) 	Scientific Manager: WRC	Mr Mkhevu Mnisi		Throughout the project life-cycle
	<ul style="list-style-type: none"> • A Mentee under Mr Mkhevu Mnisi (a Mentor) 	Production Scientist: WRC	Ms Cornelia Koleka Makanda		Throughout the project life-cycle
External Review	<ul style="list-style-type: none"> • An external reviewer will be identified to review study outputs and deliverables 	1	1		Mar 2021
Stakeholder Consultation and Communication	<ul style="list-style-type: none"> • Communication Strategy Report 	DD: Communication Services	Ms Candice Mahlangu		Throughout the project life-cycle

Component	Deliverables	Directorate / Designation	Technical Task Team Members	Sub-Task Members (Specialization)	*Estimated Timeframe (months)
	<ul style="list-style-type: none"> Stakeholder Register 	Production Scientist: RR	Mr Molefi Mazibuko		Throughout the project life-cycle
Project Coordination and Administration	<ul style="list-style-type: none"> Organisational Report (Final) 	Director: SDC			Mar 2021
Project Closure	<ul style="list-style-type: none"> Project close-out report (Final) 	Director: SDC	Ms Tovhowani Nyamande		Mar 2021

Table 2: Regional Office Eutrophication Project Champions / Representatives

No.	Regional Office	Name	Designation/Directorate
1.	Kwazulu-Natal	Ms Manisha Maharaj	P& I, Kwazulu-Natal
2.	Northern Cape	Mr Mmerekhi Mokgadi	Water Sector Data Management
3.	Western Cape	Mr Bentley Engelbrecht	P& I, Western Cape
4.	Limpopo	Mr Adolph Maredi	P& I, Limpopo
5.	Free State	Ms Dephney Kabini	P& I, Free State
6.	North West	Ms Rachel Mpe	Scientist Production
		Mr. Peet Venter	Scientific Manager
7.	Mpumalanga	Mr Stanford Macevele	Institutional Establishment
8.	Gauteng	Ms Jeanette Nyama	Institutional Establishment
9.	Eastern Cape	Ms Nombuyiselo Mgca	Institutional Establishment

4. Proposed Project Stakeholder Engagement

Proposed Project Stakeholder Engagement is indicated in **Figure 1**, as composed of different levels such as Project Management Committee (PMC), Project Steering Committee (PSC), Technical Task Team (TTT), Sub-Task Groups and Public meetings.

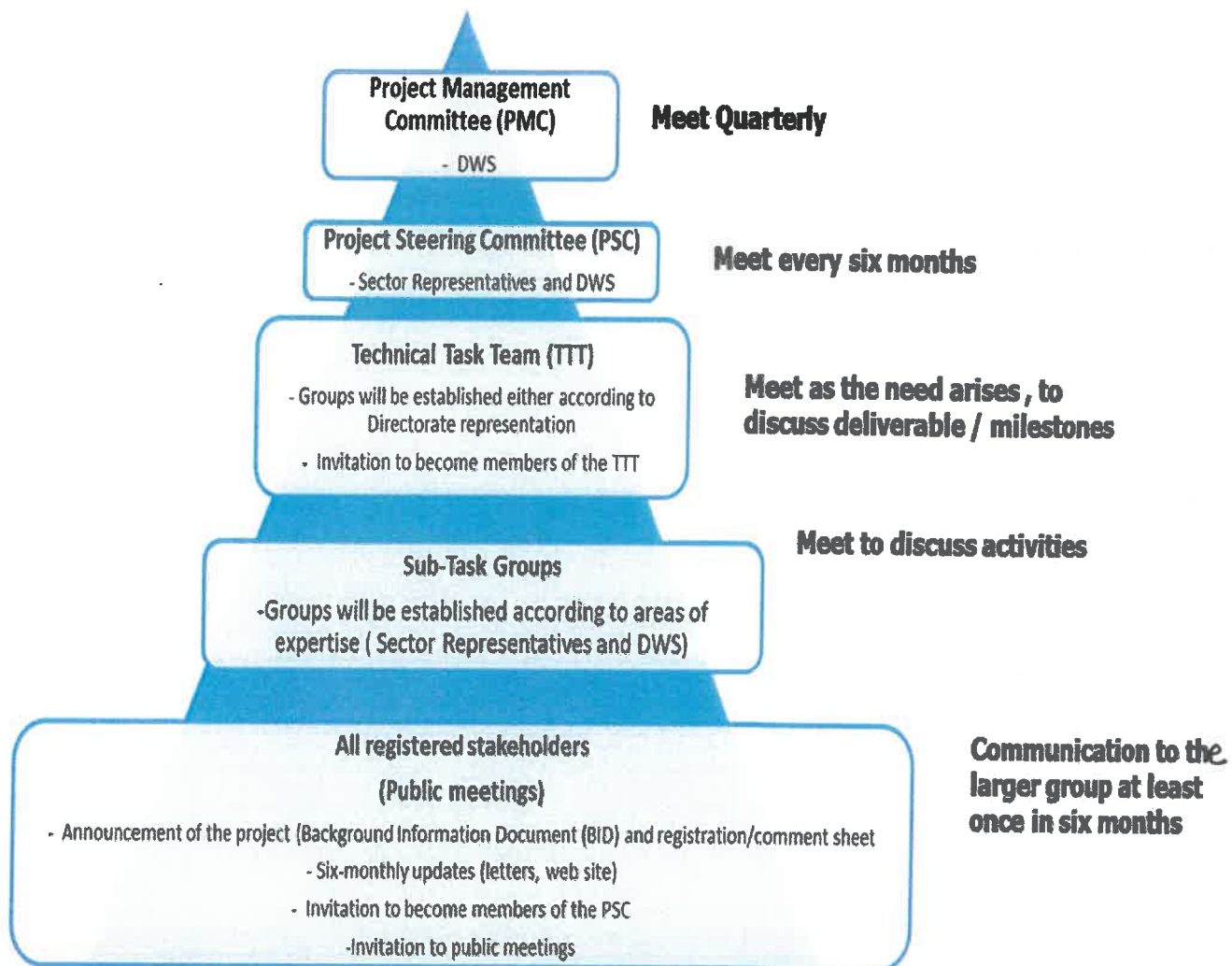


Figure 1: Proposed Project Stakeholder Engagement

5. Conclusion

The external stakeholders will be contacted at a later stage, in order to solicit partnership within the broader water sector. External stakeholders will be expected to play a major role in the Sub-Task Teams where their expertise will be needed and during the implementation phase.

External stakeholders identified up to date are as follows:

1. CSIR
2. COGTA
3. SALGA
4. Agricultural sector
5. Industrial sector
6. Water Research Commission (External Review)

7. CMAs
8. Water Boards e.g. Magalies
9. Public members e.g Prof. W Harding (Aquatic Specialist)

DEPARTMENT OF WATER AND SANITATION
Directorate: Sources Directed Control

Approved for DWS by:

Ms Nyamande Tovhowani



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Director: Sources Directed Control

Date: 05/09/2019