APPENDIX D5

MINUTES OF PRE-APPLICATION MEETING

NEMAI CONSULTING	**Minutes of Meeting** DARDLEA Pre-Application Meeting	Queries:	mariliep@nemai.co.za ☎ +27 11 781 1730 🖷 +27 11 781 1731 ✉ mariliep@nemai.co.za
Applicant:	Sasol Secunda Operations	Project Name:	Process Water Dams – Enhanced Evaporation Project at Sasol Secunda Operations, Mpumalanga
		Project Number:	10830
Date:	30 January 2026	Time:	10:00 – 11:00
Facilitator:	Donavan Henning	Venue:	Microsoft Teams

Attendees	Organisation	Email
Sindisiwe Mbuyane (SM)	DARDLEA	[redacted]
Okwethu Fakude (OF)	DARDLEA	
Sean Boyce (SB)	Sasol	
Marlene van der Linde (ML)	Sasol	
Thabitha Moroasui (TM)	Sasol	
Johan Hendricks (JH)	MegChem	
Andre Retief (AR)	MegChem	
Donavan Henning (DH)	Nemai Consulting	
Marilie Pretorius (MP)	Nemai Consulting	

Apologies	Organisation	Email
None	-	-

Item	Details	Action	Target Date
1.	**Welcome & Introduction**		
1.1.	DH welcomed everyone to the Pre-Application Meeting with the Mpumalanga Department of Agriculture, Rural Development, Land and Environmental Affairs (DARDLEA) for the proposed Process Water Dams – Enhanced Evaporation Project at Sasol Secunda Operations, Mpumalanga (the Project).	-	-
2.	**Acceptance of Agenda**		
2.1.	The agenda was accepted without any amendments.	-	-
3.	**Purpose of the Meeting**		
3.1.	DH mentioned that this meeting's purpose is to present an overview of the Project to DARDLEA, to seek clarification on certain matters regarding the Environmental Impact Assessment (EIA) Process, and to determine any additional requirements that DARDLEA may have regarding the EIA.	-	-
4.	**Project Overview** (Presented by AR – see copy of presentation in Appendix A)		

Item	Details	Action	Target Date
4.1.	AR presented an overview of the following: • Project need as identified by the Applicant; • Background on enhanced evaporation technology; and • Technical project overview.	-	-
4.2.	SM enquired how many of the process water dams would be included in the project scope. AR clarified that only Dam 10A is part of the project scope.	-	-
4.3.	SM asked for clarification regarding the term MCC. AR indicated that this meant the Motor Control Cabinet.	-	-
5.	**EIA Process** (Presented by MP – see copy of presentation in Appendix A)		
5.1.	*Process Outline & Timeframes*		
5.1.1.	MP presented the approach to the Basic Assessment (BA) Process, including an overview of the preliminary programme.	-	-
5.2.	*Public Participation*		
5.2.1.	MP indicated the following: • Public Participation will be undertaken in terms of Chapter 6 of the EIA Regulations of 2014 (as amended). • There will be no announcement phase for the proposed Project; however, a comprehensive stakeholder database will be utilised to notify the public of the 30-day review of the Basic Assessment Report (BAR). • Site and newspaper notices will be placed. • Public and focus group meetings may be convened, if deemed necessary. • Proof of notification and comments will be included in the final BAR that will be submitted to DARDLEA.	-	-
5.3.	*Listed Activities*		
5.3.1.	MP provided an overview of the activities listed in Listing Notice 1 of the EIA Regulations of 2014 (as amended) that are considered triggered by the proposed Project. MP indicated that the final listed activities will be included in the Application Form submitted to DARDLEA.	-	-
5.4.	*Specialist Studies*		
5.4.1.	MP presented the sensitivity of the site based on the online Screening Tool, as well as the specialist studies identified by this tool. She indicated that, in accordance with the Environmental Theme Protocols, Site Sensitivity Verification will be undertaken for the various themes.	-	-
5.5.	*Air Quality Opinion*		

Item	Details	Action	Target Date
5.5.1.	MP indicated that an Atmospheric Emission Licence (AEL), as per GN 893 of 22 November 2013, is not triggered by the Project. However, based on the nature of the Project, an opinion will be obtained from an Air Quality Specialist regarding the associated potential risks. MP asked if DARDLEA had specific requirements regarding the Air Quality Specialist Opinion. SM indicated that Nemai Consulting should contact the Gert Sibande District Municipality's Air Quality Department regarding this matter.	Nemai Consulting	Tbc
5.6.	*Other Environmental Consents Required*		
5.6.1.	MP stated that authorisation for Section 21 (c) and (i) water uses in terms of the National Water Act (Act No. 36 of 1998) (NWA) will be applied for, and that a Pre-Application Meeting will be organised with the Department of Water and Sanitation (DWS).	-	-
6.	**DARDLEA Requirements**		
6.1.	OF requested that when the Application Form is submitted to DARDLEA, the thresholds for the triggered listed activities should be indicated, and an indication given of why each listed activity is triggered.	-	-
6.2.	OF requested that maps utilised in the draft BAR comply with Appendix 4(c) of the EIA Regulations of 2014 (as amended).	-	-
6.3.	SM added that the Application Form should be completed comprehensively. Therefore, each section should be completed in full, rather than merely referencing previous sections.	-	-
6.4.	SM indicated that signatures submitted with the Application must be original and not copies.	-	-
7.	**Way Forward & Close**		
7.1.	DH thanked everyone for attending and asked whether anyone had any additional questions before closing the meeting.	-	-
7.2.	DH indicated that Nemai Consulting will compile the meeting minutes and send them to participants.		
7.3.	The meeting was closed at approximately 10:40.	-	-

Item	Annexure Items
1.	Nemai Consulting: Pre-Application Meeting with DARDLEA for the proposed Enhanced Evaporation Project at Sasol Secunda Operations.
2.	MegChem: MCP2590168 Enhanced Evaporation. 2026-01-30.

Minutes Complied By:

Nemai Consulting

Marilie Pretorius	02 February 2026
M.Pretorius	Date

Minutes Accepted By:

DARDLEA

	Date

APPENDIX A

PRESENTATIONS

PROCESS WATER DAMS-
ENHANCED EVAPORATION PROJECT AT SASOL SECUNDA OPERATIONS, MPUMALANGA

Pre-Application Meeting DARDLEA

30 January 2026



NEMAI CONSULTING

AGENDA

1) Welcome & Introduction
2) Apologies
3) Purpose of the Meeting
4) Project Overview
5) EIA Process
    - 5.1 - Process Outline & Timeframes
    - 5.2 - Public Participation
    - 5.3 - Listed Activities
    - 5.4 - Specialist Studies
    - 5.5 - Air Quality Opinion
    - 5.6 - Other Environmental Consents Required
6) DARDLEA Requirements
7) Way Forward & Close

(3) PURPOSE OF THE MEETING

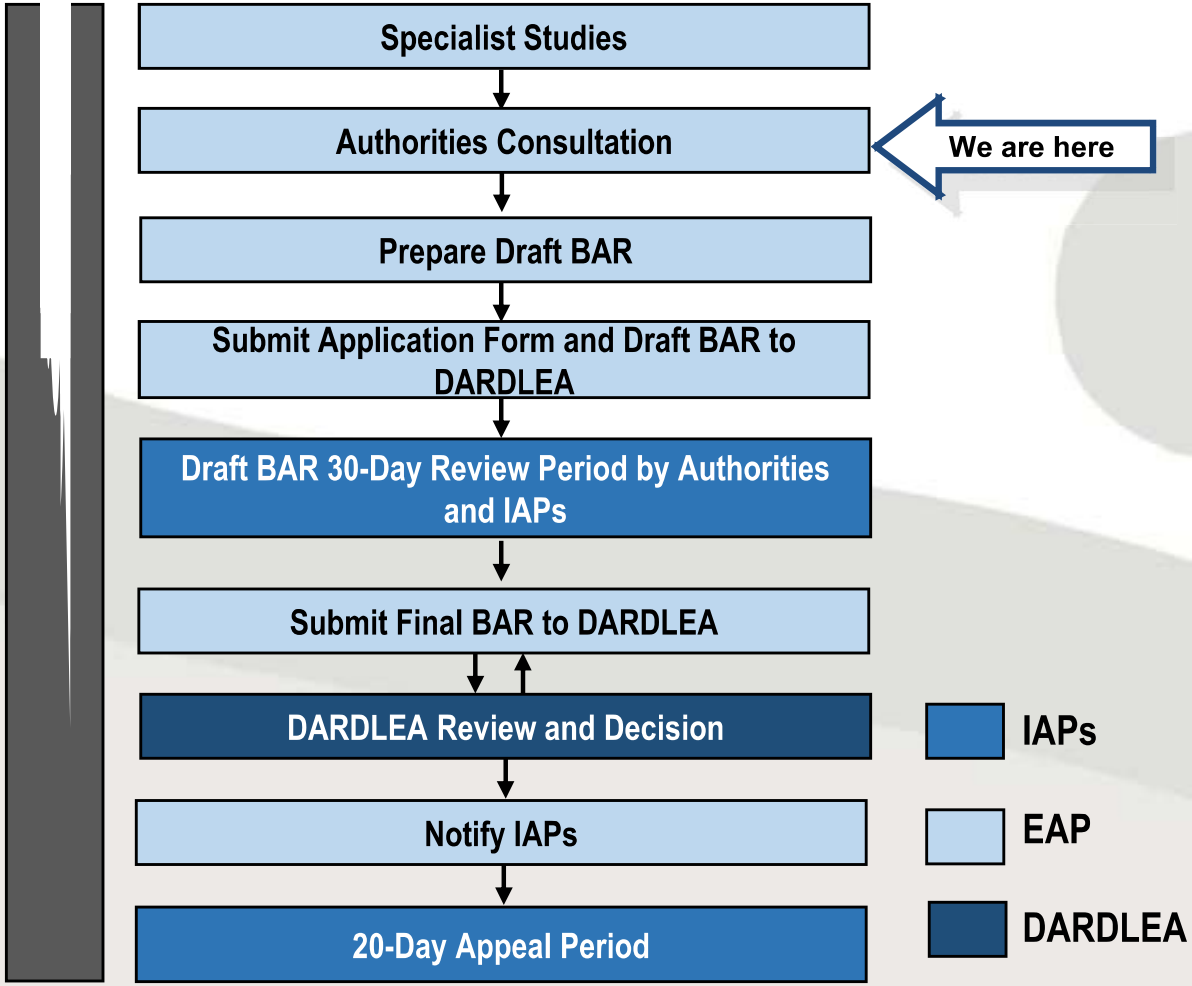
- To present an overview of the project to DARDLEA.
- To seek clarification regarding certain matters that pertain to the EIA process.
- To determine DARDLEA's requirements.
- To confirm the process and timeframes.

(4) PROJECT OVERVIEW

(5) EIA PROCESS

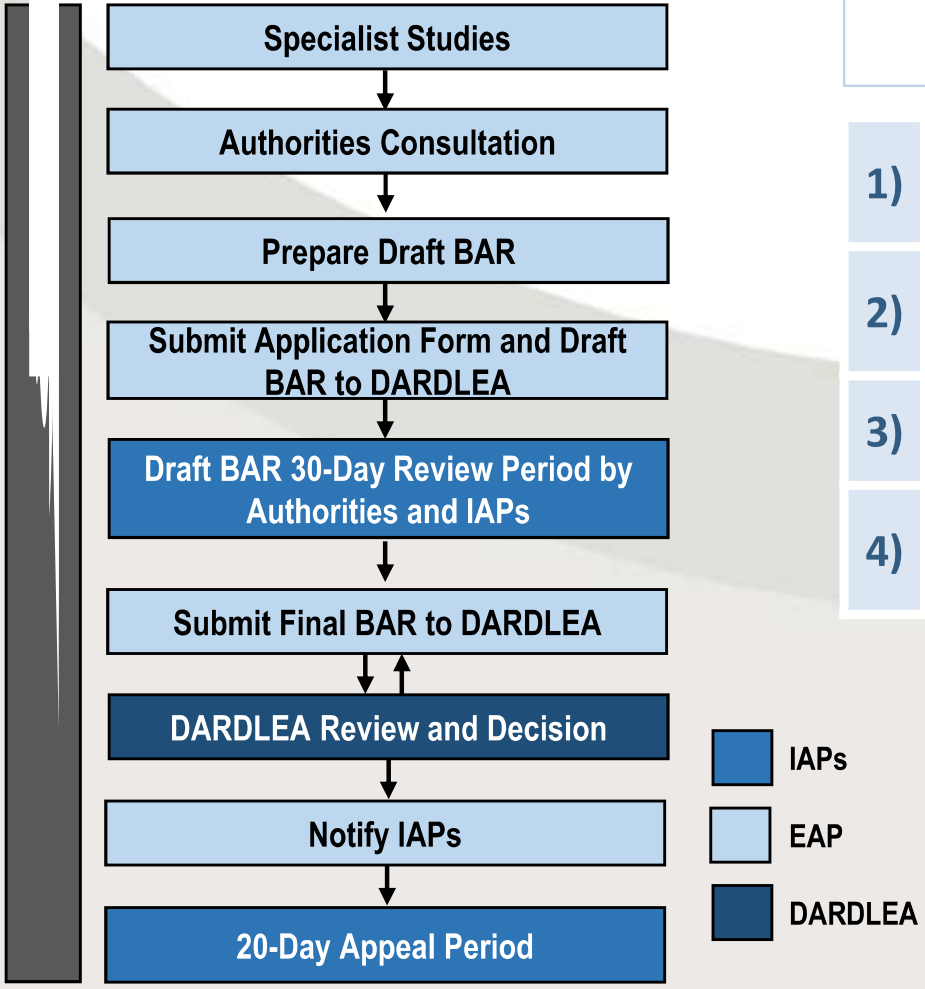
(5) EIA PROCESS

5.1 – PROCESS OUTLINE & TIMEFRAMES



(5) EIA PROCESS

5.1 – PROCESS OUTLINE & TIMEFRAMES



Preliminary Programme

1)	Authorities Consultation	30 January 2026
2)	Draft BAR 30-day Review Period	March 2026
3)	Submit Final BAR	April 2026
4)	DARDLEA Review and Decision	April 2026 – July 2026

(5) EIA PROCESS

5.2 - PUBLIC PARTICIPATION

- Public Participation in terms of Chapter 6 of EIA Regulations
- 30-Day I&AP Review Period
  - Stakeholder Database
  - Written Notification to Stakeholders
  - Site & Newspaper Notices
  - Public and Focus Group Meetings, if deemed necessary
- Proof of notification and comments – Final BAR.

(5) EIA PROCESS

5.3 - LISTED ACTIVITIES

Listing Notice 1:

12	The development of - (i) dams or weirs, where the dam or weir, including infrastructure and water surface area, exceeds 100 square metres; or (ii) infrastructure or structures with a physical footprint of 100 square metres or more; where such development occurs— (a) within a watercourse; (b) in front of a development setback; or (c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse;
19	The infilling or depositing of any material of more than 10 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock of more than 10 cubic metres from a watercourse
25	The development and related operation of facilities or infrastructure for the treatment of effluent, wastewater or sewage with a daily throughput capacity of more than 2 000 cubic meters but less than 15 000 cubic meters.

(5) EIA PROCESS

5.4 - SPECIALIST STUDIES

- DFFE Screening Tool:

Theme	Very High Sensitivity	High Sensitivity	Medium Sensitivity	Low Sensitivity
Agriculture Theme		X		
Animal Species Theme			X	
Aquatic Biodiversity Theme				X
Archaeological and Cultural Heritage Theme				X
Civil Aviation Theme		X		
Defence Theme				X
Palaeontology Theme			X	
Plant Species Theme			X	
Terrestrial Biodiversity Theme	X			

MAP OF RELATIVE AQUATIC BIODIVERSITY THEME SENSITIVITY



MAP OF RELATIVE PALEONTOLOGY THEME SENSITIVITY



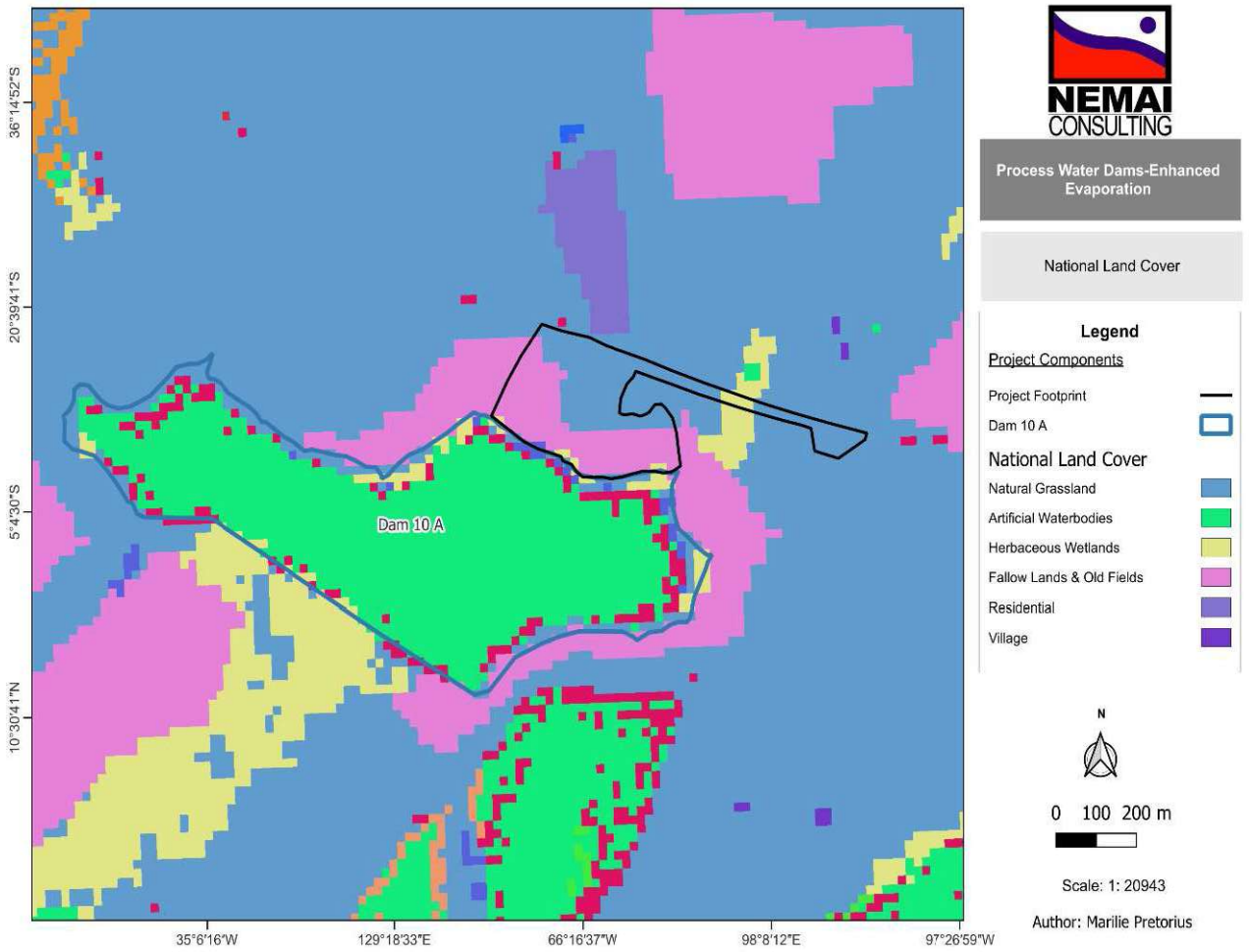
MAP OF RELATIVE TERRESTRIAL BIODIVERSITY THEME SENSITIVITY



(5) EIA PROCESS

5.4 - SPECIALIST STUDIES

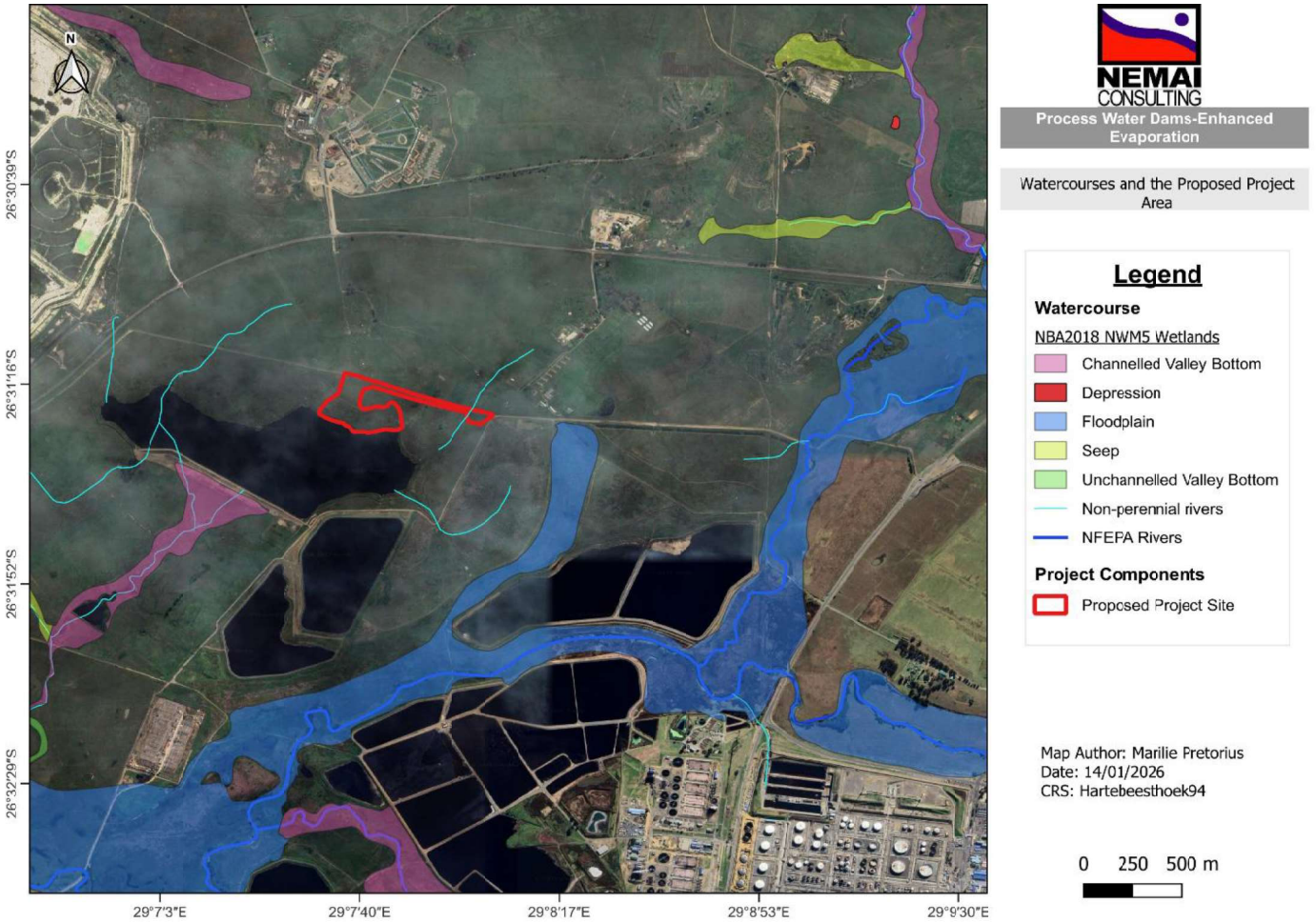
- Land Uses:



(5) EIA PROCESS

5.4 - SPECIALIST STUDIES

- Sensitivities:



(5) EIA PROCESS

5.4 - SPECIALIST STUDIES

- DFFE Screening Tool:

EAP Site Sensitivity Verification	Independent Specialists	Technical Team
Socio-Economic Assessment	Plant Species Assessment	Hydrology Assessment
Landscape/Visual Impact Assessment	Animal Species Assessment	
	Aquatic Biodiversity Impact Assessment	
	Terrestrial Biodiversity Impact Assessment	
	Palaeontology Impact Assessment	
	Archaeological and Cultural Heritage Impact Assessment	

(5) EIA PROCESS

5.5 - AIR QUALITY OPINION

- Based on a review of the activities contained in GN 893 of 22 November 2013, the Project will not trigger the need for an Atmospheric Emission License (AEL).
- Based on the nature of the project, which includes the evaporation of effluent to the atmosphere, an opinion will be obtained from an Air Quality Specialist regarding the associated potential risks.
- Specific requirements from GDARDE for assessing impacts to:
  - Air Quality

(5) EIA PROCESS

5.6 - OTHER ENVIRONMENTAL CONSENTS REQUIRED

- NWA – Water Use Authorisation
  - Section 21(c) & (i) – development within the regulated area of a watercourse (including 500 m radius of a wetland and Dam 10A)

(6) DARDLEA's Requirements

(7) Way Forward & Close

Thank you

Company:	Nemai Consulting
Contact Person:	Marilie Pretorius
Tel:	(011) 781 1730
Fax:	(011) 781 1731
Email:	[redacted]
Postal Address:	PO Box 1673, Sunninghill, 2157



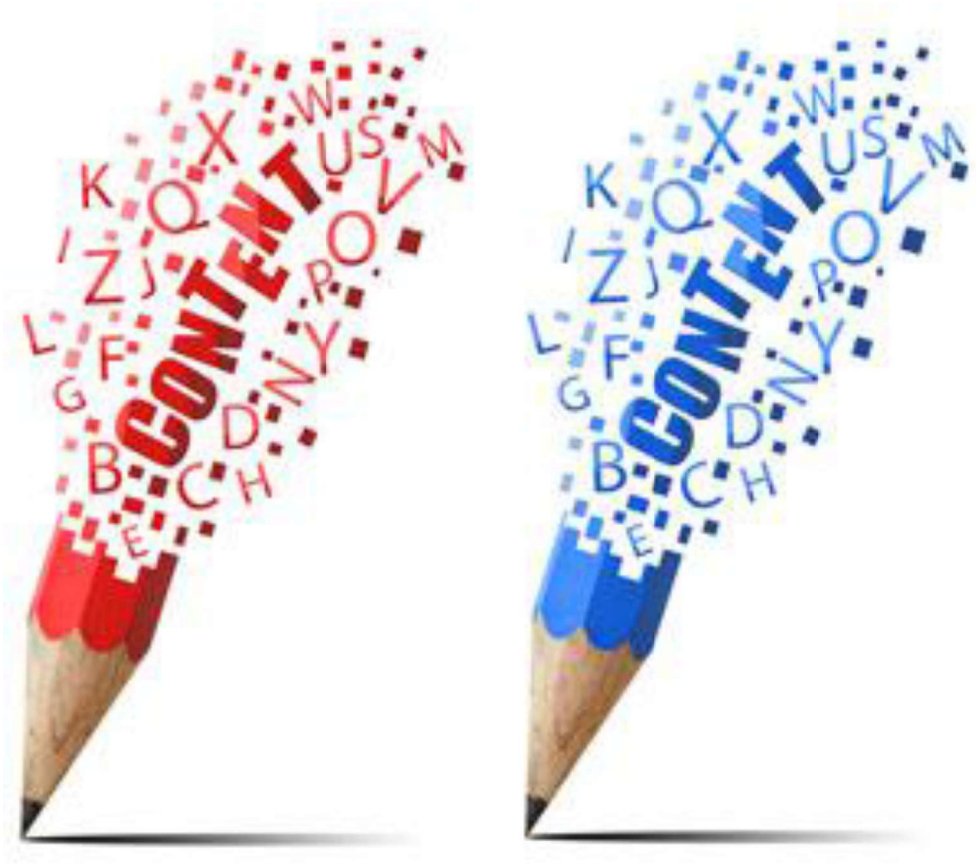


MEGCHEM

MCP2590168 Enhanced Evaporation
2026-01-30

Contents

- Project need
- Enhanced evaporation technology
- Technical project overview
- Questions



Project need

- The process water dams store process water from water recovery (WR), unit 2(52), within the Secunda Operations
- The dams are spaced in such a way that should dam one become full, the water flows through the overflow channel into dam two. Dam two can also overflow to dam three and dam three overflows to dam four
- A pump station in the common wall of dam two, dam four and dam seven is utilized to pump the water back to the plant or to dam eight and dam 10
- Dam 6A/B and dam 7A/B are filled through pipelines from dams eight, nine and 10A/B/C
- Dam 10 A was selected as the appropriate and most feasible dam to install the forced evaporators (Refer to: 4131 – Site Selection Report for the Enhanced Evaporation at U052)

Project need

- Process water dams:



MEGCHEM

Project need

- In addition to ensuring water security and quality assurance, loss of containment of the PWD is an undesirable event and should be prevented
- Risks identified by Secunda Operations - frequency of heavy rainfall events and resulting floods
- The above risk can lead to uncontrolled discharge into the environment due to potential overflow from onsite storage facilities and therefor compromising neighboring communities and damaging infrastructure
- The business objective is to install an evaporation system on the secondary dam system to enhance evaporation, reduce process water volume to maintain optimal dam levels and manage effluent efficiently.

Enhanced evaporation technology

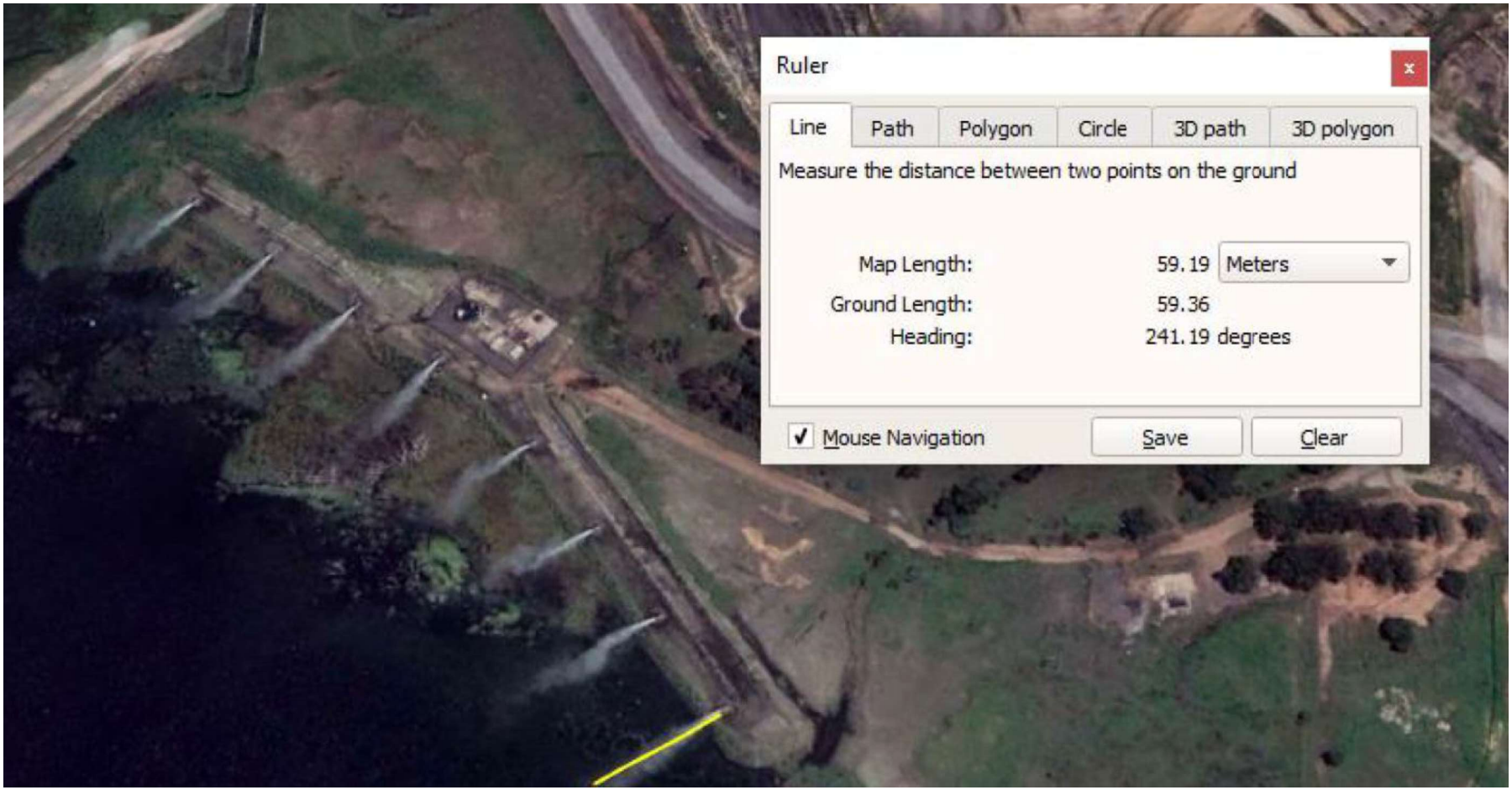
- A spray of fine droplets is projected by a jet air stream propelled by a fan through a conical barrel at a 45deg angle
- The fine droplets have a much higher surface area compared to the dam surface
- Enhanced evaporation system pictures:





Enhanced evaporation technology

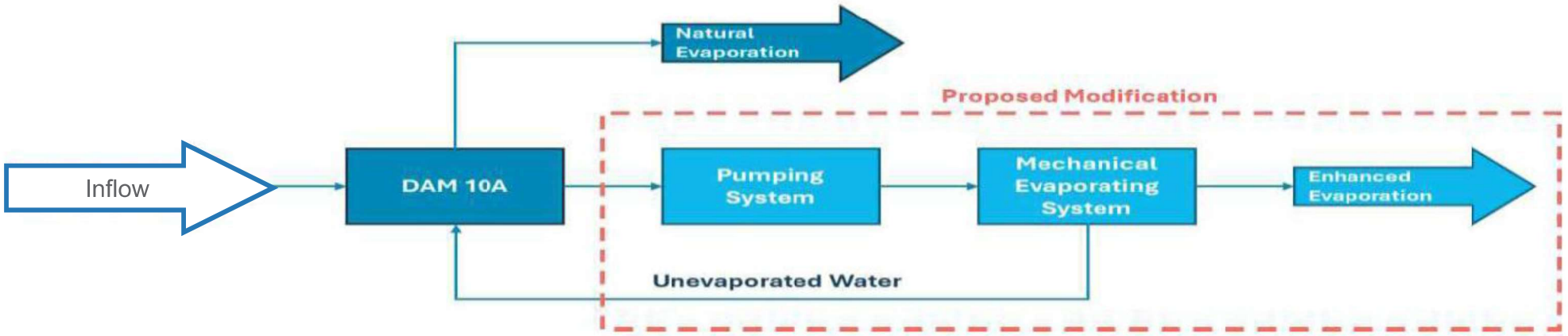
- Water mist spray distance



MEGCHEM

Technical project overview

- Feasibility study conducted and simplified BFD (Block Flow Diagram) developed:



- To achieve a total of 6 Megaliters per Day (MLD) over a 12 month period it was determined that 12 evaporator units will be required (Refer to: MCP2590085-PR-CALC-001)
- Weather station to be implemented (To be shut-down):
  - Wind speed
  - Wind direction
  - Humidity sensor
- Ground stabilization measures to be taken and implemented in front of evaporators to prevent future erosion

Technical project overview

- Evaporator system components:
  - Eskom 22kV power line tie-in and overhead line from tie-in to evaporator site
  - Electrical site components (preliminary)
    - Step-down transformer
    - Mobile substation (temporary)
    - Containerized VSD's (temporary)
    - E-house / Containerized MCC
  - Weather station
  - Evaporator skid
    - Flexible/HDPE Suction hose with foot valve and suction strainer
    - 55kW water pump
    - Flowmeter
    - Evaporator barrel with spray nozzle manifold
    - Barrel internal 55kW fan

Technical project overview

- Location and proposed plot layout (Google Earth):



Technical project overview

- Location and proposed plot layout:



CRITICAL LEVELS

NUMBER	DESCRIPTION	ELEVATION
1	DAM CREST	1597.700
2	SPILLWAY	1596.180
3	+20cm LEVEL	1596.150
4	MAX OPERATING LEVEL (REF. LEVEL = 0)	1595.950
5	-40cm LEVEL	1595.550
6	DAM SCAN EDGE	1593.500

MEGCHEM

Questions



MEGCHEM



MEGCHEM