RE: DFFE Pre-application meeting - Casteel Dam Safety Rehabilitation Project

Samkelisiwe Dlamini <SDLAMINI@dffe.gov.za>

Mon 8/29/2022 11:06 AM

To: Marissa Botha <botham@naledzi.co.za>

Cc: Masina Morudu <memorudu@dffe.gov.za>

Dear Marissa

The proceedings have been recorded correctly

Regards Samke

From: Marissa Botha <botham@naledzi.co.za> Sent: Thursday, 25 August 2022 22:47

To: Samkelisiwe Dlamini <SDLAMINI@dffe.gov.za>; Masina Morudu <memorudu@dffe.gov.za> Cc: Desmond Musetsho <dmusetsho@naledzi.co.za>; Nhlabathi Steven <nhlabathis@dws.gov.za>; Siwelani Rodney <SiwelaniR@dwa.gov.za>; Tsitsa Ayanda <TsitsaA@dws.gov.za>; Thendo Matsenene <thendo@naledzi.co.za>; Khomo Khethiwe <KhomoK@dwa.gov.za>; Sithabisiwe Ncube <sncube@naledzi.co.za>

Subject: Re: DFFE Pre-application meeting - Casteel Dam Safety Rehabilitation Project

Dear Samkelisiwe and Masina,

Please find attached the pre-application meeting minutes for the Casteel Dam Safety Rehabilitation project including a copy of the Powerpoint presentation. Please review and confirm if the proceedings have been recorded correctly so that the minutes can be finalised and adopted. Please track any changes added to the word document.

Please note the minutes are a short summary of the discussions. Full details are available in the attached presentation.

Kind regards and TIA, Marissa Botha

Environmental Scientist (SACNASP Reg no. 117526)

Naledzi Environmental Consultants Pty Ltd

Email: botham@naledzi.co.za

Cell: 084 226 5584

www.naledzi.co.za

From: Marissa Botha on behalf of Samkelisiwe Dlamini <<u>SDLAMINI@dffe.gov.za</u>>

Sent: Thursday, August 25, 2022 9:21 AM

To: Desmond Musetsho <<u>dmusetsho@naledzi.co.za</u>>; Siwelani Rodney <<u>SiwelaniR@dwa.gov.za</u>>; Nhlabathi Steven <<u>nhlabathis@dws.gov.za</u>>; Khomo Khethiwe <<u>KhomoK@dwa.gov.za</u>>; Sithabisiwe Ncube <<u>sncube@naledzi.co.za</u>>; Thendo Matsenene <<u>thendo@naledzi.co.za</u>>; Tsitsa Ayanda <<u>TsitsaA@dws.gov.za</u>> Cc: Samkelisiwe Dlamini <<u>SDLAMINI@dffe.gov.za</u>> Subject: Fw: DFFE Pre-application meeting - Casteel Dam Safety Rehabilitation Project When: Thursday, August 25, 2022 9:30 AM-10:00 AM. Where:

Please follow new link to MS Meeting

Regards,

Marissa Botha

Environmental Scientist (SACNASP Reg no. 117526)

Naledzi Environmental Consultants Pty Ltd

Email: botham@naledzi.co.za

Cell: 084 226 5584

www.naledzi.co.za

From: Samkelisiwe Dlamini <<u>SDLAMINI@dffe.gov.za</u>>
Sent: Thursday, August 25, 2022 9:18 AM
To: Masina Morudu <<u>memorudu@dffe.gov.za</u>>; Marissa Botha <<u>botham@naledzi.co.za</u>>
Subject: DFFE Pre-application meeting - Casteel Dam Safety Rehabilitation Project
When: Thursday, August 25, 2022 9:30 AM-10:00 AM.
Where:

Microsoft Teams meeting

Join on your computer or mobile app Click here to join the meeting

Meeting ID: 349 357 681 77 Passcode: eY6asf Download Teams | Join on the web

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		ENT (BA) PROCESS – ION MEETING MINUTE	rs.
Project name	Casteel Dam Safety Reha		0
Date & Time	25 August 2022, 09:30 -	2	
Meeting			
Description	DFFE pre-application me	eting	
Venue	Virtual - MS Teams		
Chairperson	Marissa Botha, Naledzi E	nvironmental Consultants (I	Pty) Ltd
	Name	Organisation	Designation
	Marissa Botha	Naledzi Environmental	Senior Environmental
		Consultants (Pty) Ltd	Scientist
	Dr Desmond Musetsho	Naledzi Environmental	Managing Director,
		Consultants (Pty) Ltd	Principal EAP
	Samkelisiwe Dlamini	Department of Forestry,	Integrated
		Fisheries and	Environmental
		Environment (DFFE)	Authorisations, Case
			Officer
	Masina Morudu	Department of Forestry,	Integrated
A. Attendees		Fisheries and	Environmental
		Environment (DFFE)	Authorisations,
	Rodney Siwelane	DWS, Directorate Dam	Programme Manager
		Safety Surveillance	
	Khomo Khethiwe	DWS, Directorate Dam	Civil Engineer, Co-
		Safety Surveillance	Programme Manager
	Steven Nhlabathi	DWS, Directorate:	Environmental
		Environmental Impact	Manager/Officer
		Monitoring	
	Ayanda Tsitsa	DWS, Directorate Dam	Civil Engineer
		Safety Surveillance	
Circulation	The minutes of the meeting	ng have been distributed to t	he meeting participants.

KEY RECOMMENDATIONS FROM DFFE RECORDED DURING THE MEETING

- The EAP must commission a Traffic Impact Statement/Assessment to assess the anticipated construction traffic impacts for the project;
- If no heritage resources are present onsite a Heritage Statement/Exemption letter must be compiled by a specialist and submitted to SAHRA.

The full meeting minutes are provided over-leaf.

1. MINUTES

Item	Minutes	Action
1	Welcome and Introduction	
1.1	Dr D Musetsho welcomed the attendees, opened the meeting and thanked the DFFE for the opportunity to conduct the pre-application consultation. Introductions followed (see cover page item A). The purpose of the meeting was highlighted i.e.	Dr D Musetsho Naledzi EAP
	• Obtain DFFE's input on listed activities triggered and specialist studies to be commissioned for the project	
	• Record any comments that need to be addressed by specialists and the EAP during the BA process.	
1.2	It was explained that the Department of Water and Sanitation, Directorate Strategic Infrastructure Asset Management (SIAM) (the applicant) has appointed Naledzi Environmental Consultants as the independent environmental assessment practitioner (EAP) to conduct the Basic Assessment (BA) process and associated public participation for the proposed Casteel Dam Safety Rehabilitation project.	
2	Project Background	Action
2.1	M Botha outlined the background of the project through a presentation (refer to Appendix A for the detailed presentation). The main points outlined included:	M Botha Naledzi
	 Casteel Dam has been placed on the DWS Dam Safety Rehabilitation Programme (DSRP) for repair based on several safety risks identified during the recent Dam Safety Evaluation (DSE) i.e. The steep slope of the dam downstream slope may fail There is seepage from the dam wall; and A large eroded gully downstream of the spillway channel; and The outlets are non-functional 	
	The safety risks were illustrated using photographic evidence obtained from Casteel Dam on 22 August 2022 during the site verification visit (see slide 7 of the presentation).	
2.2	Casteel Dam is a medium-sized earth fill-embankment dam located on the Tlulandziteka River in the jurisdiction of Bushbuckridge Local Municipality 15 km north of Bushbuckridge on the farm Kasteel 231-JU between the settlements of Casteel and Arthur's Seat next to the R 40 Bushbuckridge-Acornhoek road.	
	The dam is located within the Sand River Catchment. It has a capacity of 1.18 million m ³ and a surface area of 16 ha. It was built in 1965 to supply irrigation water to the rural community.	
3	Scope of Works	Action
3.1	 M Botha outlined the project scope of work and the locality of the components using presentation (see slides 8 and 9 for more details). It was explained that the DWS Chief Directorate: Construction Management proposes to undertake rehabilitation works at the original dam embankment over a twenty-four (24) month construction period. No expansion or construction of a new facility is proposed. The main rehabilitation works were outlined i.e. 1) 28 500m² rehabilitation works at the main dam embankment and spillway (detailed components provided on slide 8); 2) 0.9 ha site establishment area northeast of the dam for site offices; 3) Upgrading of the existing gravel road from the R40 to the dam 	M Botha Naledzi

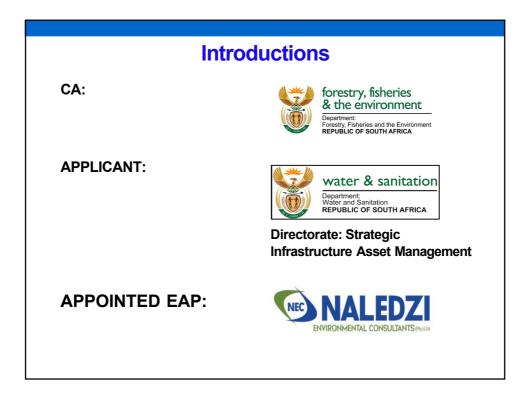
	embankment (less than 1km, no more than 4m wide).	
	4) Use of an alternative access road during construction through Casteel	
	settlement to access the spillway section on the right flank of the dam. A	
	short 350m section of access road would need to be created through old	
	fields to reach the spillway area.	
3.2	The construction period will be 24 months and all materials for the rehabilitation	
	works will be sourced from a licensed commercial quarry. Skilled labour would	
	be sourced from DWS and unskilled labour from the local community.	
4	Basic Assessment (BA) process	Action
4.1	The environmental authorisation would be sought from DFFE subject to a BA	M Botha
	process executed in line with Regulations 19 and 40-44 of the NEMA EIA	Naledzi
	Regulations of 2014 (GNR 326). DWS is exempted from the requirement to	
	apply for a WULA. No water use license is therefore required.	
4.2	The project triggers listed activities 19 and 27 under GNR 327 (Listing Notice 1)	
4.2	and activities 12 and 14 under CND 224 (Listing Notice 2) of the ELA	
	and activities 12 and 14 under GNR 324 (Listing Notice 3) of the EIA	
	Regulations. The access road upgrade and creation do not trigger any activity	
	thresholds.	
	Activity 48 (GNR 327) and activity 23 (GNR 324) will be excluded from the	
	application since it deals with the expansion of dams.	
4.3		
4.3	The BA and public participation process plan including the schedule were	
	outlined (see slide 12 for more detail).	
4.4	Based on the Screening Tool Report (STR) the site overlaps several	
	environmental sensitivities and confirmed geographic areas for which several	
	specialist studies are required (see slide 13 for details). The most significant	
	sensitivities include:	
	• Very High sensitivity theme for terrestrial and aquatic biodiversity	
	High civil aviation theme	
	Medium plant and animal species theme	
4.5	The EAP will commission the following specialist studies since the rest of the	
1.0	STR-recommended studies are considered superfluous. i.e. (see slide 14)	
	1) Terrestrial Biodiversity	
	2) Aquatic Biodiversity	
	3) A Heritage Statement/exemption will be submitted to SAHRA since no	
_	heritage resources were found onsite during the site verification visit.	A
5	Recommendations by DFFE	Action
5.1	Listed activities - DFFE agrees with the identified listed activities for the project.	S Dlamini
	The project application form can be amended if more activities are identified as	DFFE Case
	the BA process unfolds.	Officer
5.2	Specialist Studies - A Traffic Impact Statement / Assessment must be	
	commissioned for the project. The project will generate construction traffic over	
	twenty-four (24) months which includes haulage of construction material between	
	a commercial quarry and Casteel Dam along the R40. A specialist Heritage	
	Statement/exemption letter must be submitted to SAHRA.	
6	Way Forward	Action
6.1	The minutes of the meeting will be prepared and sent to DFFE for approval as a	
	true reflection of discussions and recommendations.	
		M Botha
	The recommended specialist studies will be commissioned (i.e. Traffic) and the	Naledzi
	public participation process will commence in September 2022 to announce the	
7	project.	
7	Closure	
	M Botha and Dr D Musetho thanked the DFFE for their recommendations. The	
	meeting was closed at 10:20 am.	

APPENDIX A

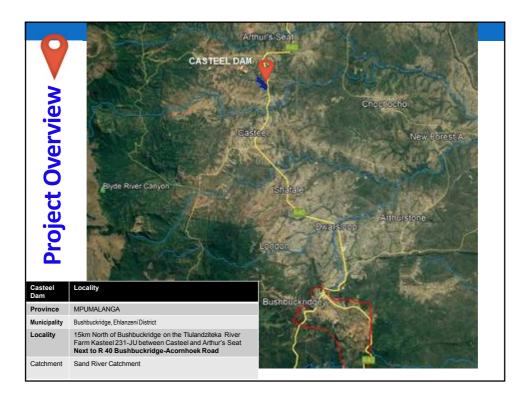
COPY OF MEETING PRESENTATION



Agenda
 Introductions Background (by DWS) Project Overview STR Site Sensitivities & Aspects of Project BA Process (listed activities, process, timeframe) Specialist Studies Q & A > DFFE inputs on listed activities and specialist studies identified > Any additional requirements? > At which stage will DFFE require site inspection > Record DFFE comments to be addressed by the specialists and EAP (Purpose of meeting) 8. Way Forward and Close

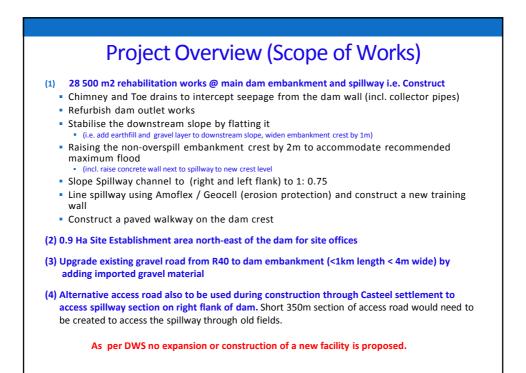


Background
DWS: SIAM custodian of all department dams in charge of dam safety
Achieved through the Dam Safety Evaluations (DSE) and Dam Safety Rehabilitation Programme (DSRP).
All DWS dams undergo a DSE every 5 years in terms of Dam Safety Regulations. Any safety risks identified at dams are placed on DSRP for repair.
 The latest Casteel DSE Report identified several risks at the dam i.e. Steep slope on the downstream slope of dam may cause failure Dam seepage Eroded gully further downstream of the spillway channel Outlet works are non-functional
Casteel Dam has been placed on the DSRP to address the risks

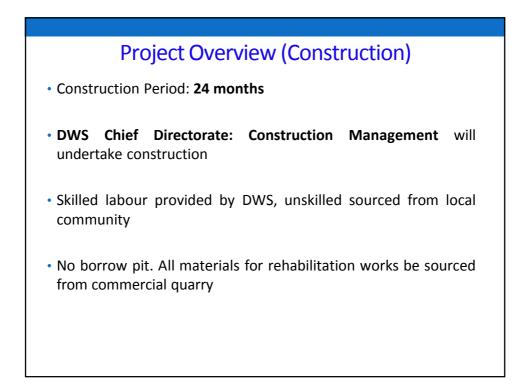


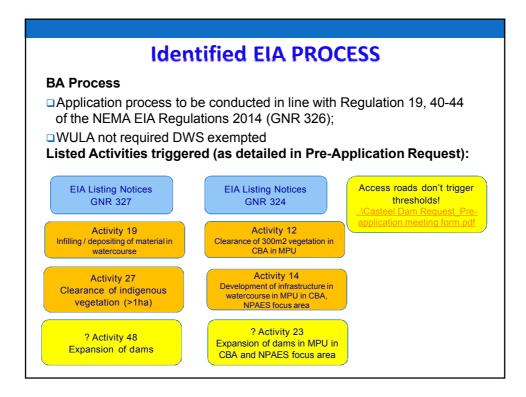


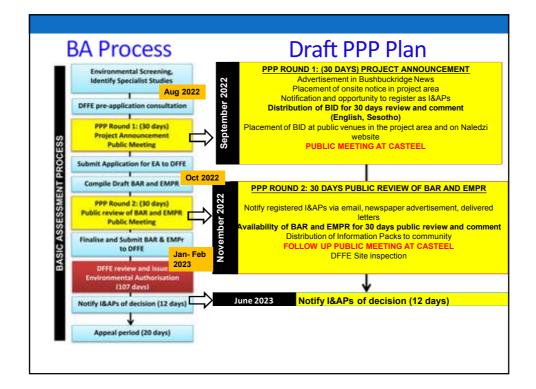








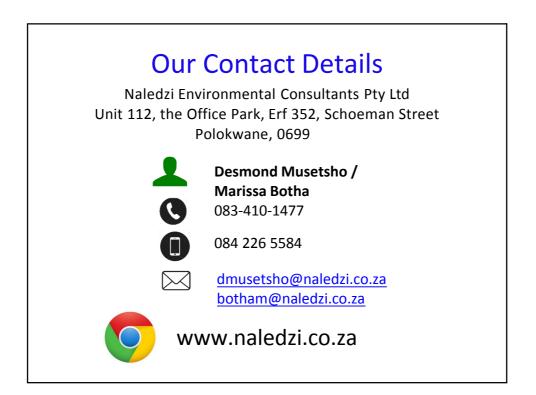




SENSITIVITIESCONFIRMED GEOGRAPHIC AREASSTUDIES REQUIREDVery High Sensitivity • Terrestrial Biodiversity • Aquatic Biodiversity • Very High Agriculture High Sensitivity • Civil Aviation Medium Sensitivity • Plant species • Plant species • Palaeontology Low Sensitivity • Archaeological and Cultural Heritage • DefenceProtected Area Expansion Strategy Terrestrial CBA Aquatic CBA Wetlands FEPA Sub catchment Freshwater Ecosystem Priority area – quaternary catchmentTerrestrial Biodiversity Aquatic Biodiversity Visual Archaeological Hydrology Socio Economic Impact Assessment
 Terrestrial Biodiversity Aquatic Biodiversity Aquatic Biodiversity Very High Agriculture High Sensitivity Civil Aviation Civil Aviation Plant species Palaeontology Low Sensitivity Archaeological and Cultural Heritage Strategy Strategy Strategy Strategy Terrestrial CBA Aquatic Biodiversity Visual Archaeological Hydrology Socio Economic Impact Assessment

Studies	Why?	
Terrestrial Biodiversity	Indigenous vegetation onsite and protected species (Marula, Aloe Simii) Vegetation however show high level of disturbance	
Aquatic Biodiversity	Presence of CVB wetland, dam and	
	river	





Way Forward

Prepare, distribute and finalise the minutes of the meeting to DFFE;
 Commission specialist studies as agreed upon at pre-app
 Notify pre-identified I&APs of project and distribute project BID
 Allow I&APs 30-day registration and comment period on BID
 Conduct a public meeting at Casteel