

Amendment of Environmental Authorisation (EA) for the proposed construction of stormwater drainage and associated infrastructure at Kusile Power Station, Mpumalanga

PRE-APPLICATION MEETING WITH THE DEPARTMENT OF FORESTRY, FISHERIES AND THE ENVIRONMENT (DFFE) – DRAFT MINUTES

CLIENT : Eskom Holdings SOC Ltd
CONSULTANT : Zitholele Consulting (Pty) Ltd
PROJECT NO. : 22018
DATE : 15 August 2022
TIME : 10h00 to 11h00
VENUE : MS Teams
REFERENCE : 2022-07-0023

PRESENT

Ms. Natasha Lalie (ZC)	NL	Ms. Samkelisiwe Dlamini (DFFE)	SD
Ms. Masina Morudu (DFFE)	MM	Ms. Tselane Cele (Eskom)	TC
Mr. Siphilwe Mahlangu (Eskom)	SM	Mr. Phathamandla Sithole (Eskom)	PS
Mr. Nhlanhla Tshabalala (Eskom)	NT		

APOLOGIES

Dr. Mathys Vosloo (ZC) MV

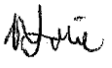
ITEM	DISCUSSION POINTS	ACTION, DATE
1	AGENDA	
1.1	<p>The Agenda items were accepted by all as follows:</p> <ol style="list-style-type: none">Welcome and IntroductionProject BackgroundMotivation for ProjectProject and Process Description<ol style="list-style-type: none">Project Description and Scope for proposed stormwater infrastructureConditions of Environmental Authorisation and activities authorisedPotential listed activitiesPart 2 Amendment of EA ProcessPublic Participation ProcessDFFE Screening ToolAdditional Specialist StudiesConclusionDFFE specific requirementsDiscussionWay forward <p>Refer to the presentation attached in Appendix 2.</p>	Note

2	WELCOME AND INTRODUCTIONS	
2.1	NL opened the meeting and welcomed all attendees. All present introduced themselves. Refer to the Attendance Register in Appendix 1.	Note
3	PROJECT BACKGROUND, PROJECT DESCRIPTION AND MOTIVATION FOR PROJECT	
3.1	<p>NL indicated that the proposed stormwater drainage and associated infrastructure will be constructed to ensure that operation of the Overland Conveyor (OLC) system will be in compliance with the environmental requirements. The proposed stormwater infrastructure will mitigate the impacts of ash laden water entering into the nearby watercourses.</p> <p>It was noted that the following infrastructure will be constructed:</p> <p>A concrete stormwater V-drain on either side of the OLC system, Sump 1 will act as a drainage basin to temporarily store ash laden water from the dirty catchment area; Sump 2 A 300mm diameter overland pipeline to the existing stormwater channel with will drain into the Ash Dump Dirty Dam (ADDD). A new gravel access road to the sump 1 and sump 2 for operation and maintenance purposes.</p>	Note
4	CONDITIONS OF THE ENVIRONMENTAL AUTHORISATION TO BE AMENDED AND THE ACTIVITIES AUTHORISED	
4.1	NL indicated that the Applicant, Eskom Holdings SOC Ltd intends to apply for amendment of the EA (<i>Ref No: 14/12/16/3/3/1/700</i>) for the dirty water pipeline between the ash dump and the ash dump dirty dam, silt retention dam and toe drains within wetlands at the Kusile Power Station. The impending EA amendment will assess the impact of the proposed stormwater drainage and associated infrastructure as a Part 2 amendment process.	Note
5	Potential Listed Activities	
5.1	<p>NL indicated that triggers for any potential listed activities will be confirmed upon finalisation of the Specialist Studies.</p> <p>NL indicated that the DFFE Screening Tool shows the entire site to be falling within CBA2. The Mpumalanga Biodiversity Sector Plan indicates that the site does not fall within a CBA. NL enquired if the DFFE could confirm if the DFFE Screening Tool or the Mpumalanga Biodiversity Sector Plan be used.</p> <p>MM replied that the Screening Tool is not accurate and therefore Specialist Studies must be used, as it is more accurate.</p>	<p>NL, 5 September 2022</p> <p>NL, 5 September 2022</p>
6	Discussion	
6.1	SD stated that, should the Specialist Studies indicate that there are no triggers for any listed activities in terms of the EIA Regulations of 2014 (<i>as amended</i>), a Part 2 amendment of EA process will need to be	NL , 5 September 2022

	<p>undertaken. However, if there are any triggers, a Basic Assessment (BA) process would need to be undertaken.</p> <p>SD added that the Application for Amendment of the EA and the Draft Amendment / Assessment Report must be submitted to the DFFE (EIA Section) and the Biodiversity and Conservation Section of the DFFE simultaneously with public review of the Draft Report.</p> <p>SM enquired if Public Open House Meetings could be undertaken via MS Teams. MM replied that physical meetings are allowed since COVID -19 restrictions have been lifted.</p>	<p>NL, 1 October 2022</p> <p>NL, 1 October 2022</p>
7	Specialist Studies (<i>findings of DFFE Screening Tool</i>)	
7.1	<p>NL presented the Specialist Studies identified to be undertaken during assessment Process (<i>as per the DFFE Screening Tool</i>).</p> <p>NL motivated that a Landscape / Visual Impact Assessment (VIA) will not be undertaken for the project based on the explanation herein. The site occurs within the boundary of the existing Kusile Power Station. The proposed infrastructure will be at-ground level. There are no sensitive receptors surrounding the site that will have direct views of the site.</p> <p>Due to the transformed nature of the site, it was motivated that an Archaeological and Cultural Heritage Impact Assessment and a Palaeontological Impact Assessment will not be undertaken. An Exemption letter for Archaeological & Cultural Heritage and the Palaeontological Impact Assessment will be obtained and will be submitted to South African Heritage Resources Agency (SAHRA).</p> <p>NL stated that the existing Terrestrial Biodiversity Impact Assessment, the Aquatic Biodiversity Impact Assessment (including Wetland Delineation and Functional Assessment), and Hydrological Impact Assessment will be reviewed, gaps identified and addressed in the assessment of the impacts of the proposed development on floral and faunal assemblages.</p> <p>NL stated that a Socio-Economic Impact Assessment will not be undertaken due to the motivation herein. There are no sensitive receptors surrounding the site. Limited jobs are to be created during the construction phase. The project will have a positive impact in terms of improved environmental performance, as it will eliminate dirty water (ash laden water) spills into the surround environment.</p> <p>NL stated that the Plant and Animal Species Assessment will be incorporated into the Terrestrial Biodiversity Impact Assessment.</p> <p>MM replied that the Department will not, at the Pre-Application Meeting, indicate if a Specialist Study must be undertaken or not. She added that the motivation for not undertaking a specific Specialist Study must be explained in the Draft Assessment/Amendment Report.</p> <p>NL indicated that a motivation for not undertaking this study will be provided in the forthcoming Draft Assessment Report for public review and comment.</p>	<p>Noted</p> <p>NL, 1 October 2022</p>
8	CLOSURE	
8.1	<p>NL thanked all attendees for their participation and closed the meeting. With no further matters arising, the meeting ended at approximately</p>	Note

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	14h00.	
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ACTION	FUNCTION	NAME	DATE	SIGNATURE
Prepared	Environmental Assessment Practitioner (EAP)	Ms. N. Lalie	25.08.2022	
Reviewed	Associate Director and Environmental Lead	Dr. Mathys Vosloo	31.08.2022	Electronically signed
Approved	Eskom Project Manager	Mr. S. Mahlangu	09.09.2022	Electronically signed
Approved	DFFE	Ms. Samkelisiwe Dlamini		

Appendix 1: Record of the meeting attendance

1. Summary

Meeting title Ref No: 2022-07-0023_Pre-Application Meeting_Stormwater infrastructure at the Kusile Power Station, Mpumalanga
Attended participants 7
Start time 22/08/15, 09:57:52
End time 22/08/15, 10:52:49
Meeting duration 54m 57s
Average attendance time 48m 51s

2. Participants

Name	First join	Email	Participant ID (UPN)
Natasha Lalie	22/08/15, 09:58:23	Natashal@zitholele.co.za	Natashal@zitholele.co.za
Tselane Cele	22/08/15, 09:58:28	MoloiTL@eskom.co.za	MoloiTL@eskom.co.za
Samkelisiwe Dlamini	22/08/15, 10:01:27	SDLAMINI@dffe.gov.za	sdlamini@environment.gov.za
Siphiwe Mahlangu	22/08/15, 10:01:31	MahlanFS@eskom.co.za	MahlanFS@eskom.co.za
Phathamandla Sithole	22/08/15, 10:02:54	SitholPa@eskom.co.za	SitholPa@eskom.co.za
Masina Morudu	22/08/15, 10:05:11	memorudu@dffe.gov.za	memorudu@environment.gov.za
Nhlanhla Tshabalala	22/08/15, 10:05:20	TshabaNI@eskom.co.za	TshabaNI@eskom.co.za

3. In-Meeting activities

Name	Join time	Email	Role
Natasha Lalie	22/08/15, 09:58:23	Natashal@zitholele.co.za	Organiser
Tselane Cele	22/08/15, 09:58:28	MoloiTL@eskom.co.za	Presenter
Samkelisiwe Dlamini	22/08/15, 10:01:27	SDLAMINI@dffe.gov.za	Presenter
Siphiwe Mahlangu	22/08/15, 10:01:31	MahlanFS@eskom.co.za	Presenter
Phathamandla Sithole	22/08/15, 10:02:54	SitholPa@eskom.co.za	Presenter
Masina Morudu	22/08/15, 10:05:11	memorudu@dffe.gov.za	Presenter
Nhlanhla Tshabalala	22/08/15, 10:05:20	TshabaNI@eskom.co.za	Presenter

Appendix 2: Presentation

**Proposed construction of stormwater drainage and associated infrastructure at
Kusile Power Station, Mpumalanga**

**FOLLOW-UP PRE-APPLICATION MEETING WITH THE DEPARTMENT OF FORESTRY,
FISHERIES AND THE ENVIRONMENT (DFFE) – DRAFT MINUTES**

CLIENT : Eskom Holdings SOC Ltd
CONSULTANT : Zitholele Consulting (Pty) Ltd
PROJECT NO. : 22018
DATE : 4 October 2022
TIME : 11h00 to 12h00
VENUE : MS Teams
REFERENCE : 2022-07-0023

PRESENT

Ms. Natasha Lalie (ZC)	NL	Ms. Samkelisiwe Dlamini (DFFE)	SD
Ms. Masina Morudu (DFFE)	MM	Mr. Sipiwe Mahlangu (Eskom)	SM
Ms. Jessica Morwasehla (ZC)			

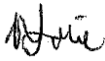
APOLOGIES

Dr. Mathys Vosloo (ZC) MV

ITEM	DISCUSSION POINTS	ACTION, DATE
1	AGENDA	
1.1	<p>The Agenda items were accepted by all as follows:</p> <ol style="list-style-type: none"> 1. Welcome and Introduction 2. Recap - Project Background 3. Motivation for Project 4. Project Description 5. Conditions of the Environmental Authorisation (EA) 6. Part 2 Amendment of EA Process and Listed Activities of 2010 vs Similarly listed activities of 2014 (<i>proposed stormwater drainage and associated infrastructure</i>) 7. Public Participation Process 8. DFFE Screening Tool 9. Additional Specialist Studies 10. DFFE specific requirements 11. Discussion <p>Refer to the presentation attached in Appendix 2.</p>	Note
2	WELCOME AND INTRODUCTIONS	
2.1	NL opened the meeting and welcomed all attendees. All present introduced themselves. Refer to the Attendance Register in Appendix 1.	Note

3	RE-CAP - PROJECT BACKGROUND	
3.1	Refer to Appendix 2: Presentation slide NL indicated that a Pre-Application Meeting was held with the DFFE on 15 August 2022 for this project. The intension of the follow-up Pre-Application Meeting is to provide the DFFE with an update of the findings of the Specialist Studies and present the potential triggered listed activities in terms of the EIA Regulations of 2014 (<i>as amended</i>).	Note
4	MOTIVATION FOR PROJECT	
4.1	Refer to Appendix 2: Presentation slide	Note
5	PROJECT DESCRIPTION	
5.1	Refer to Appendix 2: Presentation slide	Note
6	CONDITIONS OF THE ENVIRONMENTAL AUTHORISATION (EA)	
6.1	Refer to Appendix 2: Presentation slide	Note
7	PART 2 AMENDMENT OF EA PROCESS AND LISTED ACTIVITIES OF 2010 VS SIMILARLY LISTED ACTIVITIES OF 2014 (<i>proposed stormwater drainage and associated infrastructure</i>)	
7.1	Refer to Appendix 2: Presentation slide The DFFE officials indicated that the EA for the DEA/EIA/0001461/2012 (dated 5 April 2013) authorised activities which have already been constructed. Therefore, the EA cannot be amended to include construction of the stormwater drainage infrastructure that are proposed. NL indicated that the Terrestrial Biodiversity Compliance Statement and the Wetland and Aquatic Baseline and Impact Assessment have been completed. The listed activities that are triggered for the proposed stormwater infrastructure includes listed activities of Listing Notice 1 and Listing Notice 3 of the EIA Regulations of 2014. The DFFE officials indicated that a new Application for an Environmental Authorisation must be lodged with the DFFE by way of a Basic Assessment (BA) Process. NL replied that a BA process will be undertaken and not an Amendment of EA process.	Note Note ZC, November 2022 ZC, November 2022
8	PUBLIC PARTICIPATION PROCESS	
8.1	NL indicated that the Draft Basic Assessment Report (BAR) will be made available for public review and comment for 30 days and this report will be submitted to the DFFE for comment, simultaneously with the public review period. NL added that the Biodiversity and Conservation Department of DFFE will be notified of the availability of the Draft BAR for public review and comment.	ZC, November 2022

9	DFFE SCREENING TOOL	
9.1	<p>NL presented the findings of the web-based DFFE Screening Tool Report in terms of the recommended Specialist Studies.</p> <p>NL added that most of the Specialist Studies listed in the Screening Tool will be undertaken, however, motivation for not undertaking a Visual Impact Assessment (VIA) and Socio-Economic Impact Assessment (SEIA) will be provided in the Draft BAR.</p> <p>NL added that additional Specialist Studies deemed relevant for the project are the Wetland Rehabilitation Plan and a Geohydrological Impact Assessment.</p>	Note
10	DFFE SPECIFIC REQUIREMENTS	
10.1	The DFFE did not state their specific requirements. SD indicated that she will be the Environmental Officer (EO) who will assess the Application for EA.	Note
11	CLOSURE	
11.1	NL thanked all attendees for their participation and closed the meeting. With no further matters arising, the meeting ended at approximately 12h00.	Note

ACTION	FUNCTION	NAME	DATE	SIGNATURE
Prepared	Environmental Assessment Practitioner (EAP)	Ms. N. Lalie	24.10.2022	
Reviewed	Eskom Project Manager	Mr. S. Mahlangu	27.10.2022	Electronically signed
Approved	DFFE	Ms. Samkelisiwe Dlamini		

Appendix 1: Record of the meeting attendance

1. Summary

Meeting title 2022-07-0023_Follow-Up Pre-Application Meeting for Amendment of EA to construct stormwater infrastructure at the Kusile Power Station
Attended participants 5
Start time 22/10/04, 11:00:08
End time 22/10/04, 12:02:59
Meeting duration 1h 2m 51s
Average attendance time 54m 23s

2. Participants

Name	First join	Last leave	In-meeting duration	Email	Role
Natasha Lalie	22/10/04, 11:00:13	22/10/04, 12:02:50	1h 2m 37s	Natashal@zitholele.co.za	Organiser
Siphiwe Mahlangu	22/10/04, 11:01:17	22/10/04, 12:02:59	1h 1m 42s	MahlanFS@eskom.co.za	Presenter
Jessica Morwasehla	22/10/04, 11:01:23	22/10/04, 11:57:33	56m 9s	jessicam@zitholele.co.za	Presenter
Samkelisiwe Dlamini	22/10/04, 11:11:31	22/10/04, 11:57:36	46m 4s	SDLAMINI@dffe.gov.za	Presenter
Masina Morudu	22/10/04, 11:12:09	22/10/04, 11:57:33	45m 24s	memorudu@dffe.gov.za	Presenter

3. In-Meeting activities

Name	Join time	Leave time	Duration	Email
Natasha Lalie	22/10/04, 11:00:13	22/10/04, 12:02:50	1h 2m 37s	Natashal@zitholele.co.za
Siphiwe Mahlangu	22/10/04, 11:01:17	22/10/04, 12:02:59	1h 1m 42s	MahlanFS@eskom.co.za
Jessica Morwasehla	22/10/04, 11:01:23	22/10/04, 11:57:33	56m 9s	jessicam@zitholele.co.za
Samkelisiwe Dlamini	22/10/04, 11:11:31	22/10/04, 11:57:36	46m 4s	SDLAMINI@dffe.gov.za
Masina Morudu	22/10/04, 11:12:09	22/10/04, 11:57:33	45m 24s	memorudu@dffe.gov.za

Appendix 2: Presentation

**AMENDMENT OF ENVIRONMENTAL AUTHORISATION (EA)
FOR THE CONSTRUCTION OF A STORMWATER DRAINAGE AND ASSOCIATED
INFRASTRUCTURE AT KUSILE POWER STATION, MPUMALANGA**

**Follow-Up Pre-Application Meeting with Department of
Forestry, Fisheries and the Environment**

Reference Number: 2022-07-0023

Natasha Lalie
4 October 2022
22018

Agenda



1. Welcome and Introduction
2. Recap - Project Background
3. Motivation
4. Project Description
5. Conditions of the Environmental Authorisation
6. Part 2 Amendment of EA Process and Listed activities of 2010 vs Similarly listed activities of 2014 (*proposed stormwater drainage and associated infrastructure*)
7. Public Participation Process
8. DFFE Screening Tool
9. Additional Specialist Studies
10. DFFE specific requirements
11. Discussion
12. Way forward

1. Welcome and Introductions

Eskom Holdings SOC Ltd appointed Zitholele to amend the EA for the construction of the dirty water pipeline between the ash dump and the ash dump dirty dam, silt retention dam and toe drains within the wetlands at the Kusile Power Station, in order to construct proposed stormwater drainage and associated infrastructure at Kusile Power Station, Mpumalanga.

2. Project Background

- The overland link conveyor 1 & 2 (OLC 1 & 2) system transmits mixed coarse ash and gypsum from the station to the radial stacker.
- The system is operating without stormwater drainage infrastructure to contain ash contaminated water along the conveyor servitudes, and this resulted in ponding and environmental contamination.
- The ash contaminated water has resulted in environmental non-conformances being issued to the Kusile Power Station for its operations around the radial stacker.

2. Project Background...*continued*

- This project is initiated to provide stormwater drainage infrastructure to ensure operation of the OLC 1 & 2 system is in compliance with the environmental requirements.
- The current operational methodology is contaminating the surrounding environment as the system is operating without a dirty stormwater drainage infrastructure.

3. Motivation for Project

- The proposed OLC 1&2 dirty stormwater drainage system will improve the environmental performance.
 - Eliminate dirty water (ash laden water) spills into the surround environment.
 - Operations to comply with environmental requirements.
 - Eliminate risks of the Power Station being shutdown due to environmental contravention.

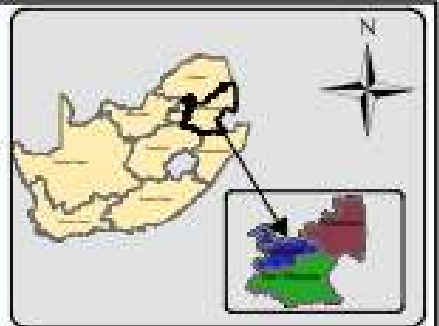
4. Project Description for proposed stormwater infrastructure

- A dirty stormwater drainage system for the identified dirty area footprint to prevent dirty water from contaminating the surrounding environment.
- A sump to act as a drainage basin to temporarily store ash laden water from the identified dirty catchment area.
- Surface V-drain channels to drain ash laden water from the foundation slab to the sump.
- Sump (10m x 5m and 2.5m deep) to be emptied by electrical pumps with the water being pumped to the proposed Transfer House 9 tank.
- A crawl beam for pump maintenance.

4. Project and Scope Description for proposed stormwater infrastructure...continued

- New 300mm dia overland pipeline
- Gravel road (approximately 5.5m in width and 150m in length, to be design by contractor) for operation and maintenance.
- East settling tank
- West settling tank
- Two pipe bridges

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Legend

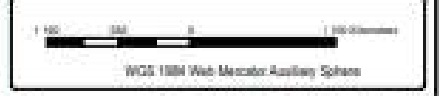
- new 300mm HD pipeline (25° 55.879'S, 28° 54.429'E)
- H-Drain (25° 55.588'S, 28° 54.470'E)
- Proposed access road (25° 55.882'S, 28° 54.424'E)
- ▨ New_stormwater_drain (25°55'44.307"S, 28°54'15.576"E)
- ▭ Eastern Settling Tank (25° 55.644'S, 28° 54.442'E)
- ▭ Barge (25° 55.810'S, 28° 54.468'E)
- Western Settling tank (25° 55.717'S, 28° 54.202'E)
- New_300mm_pipeline (25° 55.780'S, 28° 54.258'E)
- New_drain_outlet_pipe (25° 55.880'S, 28° 54.347'E)
- ▨ NEMA2019_Wetlands

Mpumalanga Biodiversity Sector Plan

- ▨ Critical Biodiversity Area
- ▨ Heavily or moderately modified

KUSILE POWER STATION

LAYOUT MAP



	DESIGNED BY	AM	10 Aug 2023	PROJECT No. 23011
	CHECKED BY	MF	10 Aug 2023	SCALE 1:5 852
	REVIEWED BY	MF	10 Aug 2023	REV 1

Google earth

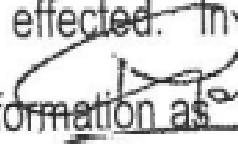
5. Conditions of the EA and activities authorised

- EA (Ref No: 14/12/16/3/3/1/700) for the dirty water pipeline between the ash dump and the ash dump dirty dam, silt retention dam and toe drains within wetlands at the Kusile Power Station – **issued on 5 April 2013.**

Activities authorised

- Construction of the ash dump dirty dam and settling dams within the wetland
 - Construction of toe drains within a wetland
 - **Construction of the ash dump access embankment (with culvert) within a wetland**
 - Crossing of wetlands by pipeline between the ash dump dirty dam and the station dirty dam
 - Crossing of wetlands by a dirty water pipeline between the ash dump and the ash dump dirty dam
 - Crossing of wetlands by the fence-lines around the Kusile ash dump and the Kusile Power Station
 - Infilling of soil and rock into a wetland for the construction of the ash dump access embankment (with culvert)
 - Removal of soil located in a wetland for the construction of the ash dump dirty dam and the depositing of ash material exceeding 5m³ into the wetland for storage purposes using a water management facility
- Ash Dump EMP for the Radial Stacker

5. Conditions of the EA and activities authorised...continued

5. Any changes to, or deviations from, the project description set out in this authorisation must be approved, in writing, by the Department before such changes or deviations may be effected. In assessing whether to grant such approval or not, the Department may request such information as 

it deems necessary to evaluate the significance and impacts of such changes or deviations and it may be necessary for the holder of the authorisation to apply for further authorisation in terms of the regulations.

5. Conditions of the EA

- DEA/EIA/0001461/2012 (dated 5 April 2013).
- Condition 6: The activity must commence within three (3) years from the date of issue of this authorisation. If commencement of the activity does not occur within that period, the authorisation lapses and a new application for environmental authorisation must be made in order for the activity to be undertaken.
- *N.B. All the activities that were authorised commenced within 3 years of 5 April 2013. The authorised activities have been constructed. The EA therefore does not lapse.*

6. Part 2 Amendment of EA

- The construction of the ash dump access embankment (with culvert) in a wetland, was approved in the EA of 5 April 2013 and construction has been completed.
- The proposed stormwater V-drains underneath the existing Overland Conveyor, proposed sump, east settling tank, 300mm dia overland pipeline, new gravel access road, interconnecting pipelines, west settling tank and associated infrastructure, occurs within the ash dump access embankment.
- The impacts associated with the construction of the above proposed infrastructure will be assessed in the Part 2 amendment of EA. Therefore, the detail contained within the EA would require amendment to include the construction of the abovementioned stormwater drainage and associated infrastructure.

6. Part 2 Amendment of EA

- The following listed activities were approved in the EA for the construction of the ash dump access embankment and the following similarly listed activities are triggered for the construction of the stormwater drainage and associated infrastructure within the wetland and within 32m of the wetland:

Listed Activities Authorised in terms of 2010 EIA Regulations	Similarly Listed Activities of 2014 EIA Regulations	Applicability of the listed activity for the construction of stormwater drainage and associated infrastructure
<p>Listed Activity 11 (GNR 544):</p> <p>The construction of:</p> <p>(ii) channels</p> <p>(iv) dams</p> <p>where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.</p>	<p>Listed Activity 12 (GNR 983):</p> <p>The development of—</p> <p>(ii) infrastructure or structures with a physical footprint of 100 square metres or more where such development occurs—</p> <p>(a) within a watercourse;</p> <p>(b) in front of a development setback; or</p> <p>(c) if no development setback exists, within 32 metres of a watercourse, measured from the edge of a watercourse.</p>	<p>The proposed stormwater drainage (v-drain) will occur 32m of the channelled valley bottom wetland.</p> <p>The drainage outlet pipe will occur within the channelled valley bottom wetland.</p>

Listed Activities Authorised in terms of 2010 EIA Regulations	Similarly Listed Activities of 2014 EIA Regulations	Applicability of the listed activity for the construction of stormwater drainage and associated infrastructure
<p>Listed Activity 11 (GNR 544):</p> <p>The construction of:</p> <p>(ii) channels</p> <p>(iv) dams</p> <p>where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.</p>	<p>Listed Activity 14 (GNR 985):</p> <p>(xii) The development of infrastructure or structures with a physical footprint of 10 square metres or more.</p> <p>Where such development occurs –</p> <p>(a) within a watercourse.</p> <p>(c) if no development setback has been adopted, within 32 metres of a watercourse, measured from the edge of a watercourse.</p> <p>(a) In Mpumalanga:</p> <p>(ii) Outside urban areas, in:</p> <p>(ff) Critical biodiversity areas (CBA) or ecosystems service areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>The proposed stormwater drainage and associated infrastructure will be more than 10m² in extent. The study area occurs in Mpumalanga. A portion of the site occurs within a CBA (<i>Systematic Biodiversity Plan was adopted by the Mpumalanga Department of Agriculture, Rural Development, Land and Environmental Affairs</i>).</p> <p>The proposed stormwater drainage (v-drain) will occur 32m of the channelled valley bottom wetland.</p> <p>The drainage outlet pipe will occur within the channelled valley bottom wetland.</p>

Listed Activities Authorised in terms of 2010 EIA Regulations	Similarly Listed Activities of 2014 EIA Regulations	Applicability of the listed activity for the construction of stormwater drainage and associated infrastructure
<p>Listed Activity 11 (GNR 544):</p> <p>The construction of:</p> <p>(ii) channels</p> <p>(iv) dams</p> <p>where such construction occurs within a watercourse or within 32 metres of a watercourse, measured from the edge of a watercourse, excluding where such construction will occur behind the development setback line.</p>	<p>Listed Activity 23 (GNR 985):</p> <p>The expansion of:</p> <p>(xii) infrastructure or structures where the physical footprint is expanded by 10 square metres or more.</p> <p>In Mpumalanga,</p> <p>ii. Outside urban areas, in:</p> <p>(ee) Critical biodiversity areas as identified in systematic biodiversity plans adopted by the competent authority or in bioregional plans.</p>	<p>See explanation above.</p>

Listed Activities Authorised in terms of 2010 EIA Regulations	Similarly Listed Activities of 2014 EIA Regulations	Applicability of the listed activity for the construction of stormwater drainage and associated infrastructure
<p>Listed Activity 18 (GNR 544):</p> <p>The infilling or depositing of any material of more than 5 cubic metres into, or the dredging, excavation, removal or moving of soil, sand, shells, shell grit, pebbles or rock from (i) a watercourse.</p>	<p>Listed Activity 19 (GNR 983):</p> <p>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.</p>	<p>The drainage outlet pipe will occur within the channelled valley bottom wetland.</p> <p>The construction of the stormwater drainage infrastructure (V-drain) will not directly impact on the wetland as the v-drain will be constructed within the internal access road at the Kusile Power Station.</p>

6. Part 2 Amendment of EA process

- A comparison has been made of the listed activities that were authorised in terms of the 2010 EIA Regulations, and the similarly listed activities that are triggered for the proposed stormwater drainage and associated infrastructure that will occur within the approved ash dump access embankment. A Part 2 amendment of EA will therefore be conducted for the proposed stormwater drainage and associated infrastructure.
- Holder of the EA from Eskom will also change. This will be included in the Part 2 EA amendment.

6. Part 2 Amendment of EA process...continued

- Application for amendment of EA to be lodged
- In 90 days submit:
- a report, reflecting—
 - (i) an assessment of all impacts related to the proposed change;
 - (ii) advantages and disadvantages associated with the proposed change;
and
 - (iii) measures to ensure avoidance, management and mitigation of impacts associated with such proposed change;
- Environmental Management Programme.

7. Public Participation Process

- Draft Assessment Report to be available for public review and comment by Interested and Affected Parties (I&APs) for a 30 day period.

8. DFFE Screening Tool

No.	Specialist Assessment	Motivation
1.	Landscape/Visual Impact Assessment	<p>This study will not be conducted.</p> <p>The site occurs within the boundary of the existing Kusile Power Station. The proposed infrastructure will be at-ground level. There are no sensitive receptors surrounding the site that will have direct views of the site.</p>
2.	Archaeological and Cultural Heritage Impact Assessment	Exemption for Archaeological & Cultural Heritage completed
3.	Palaeontological Impact Assessment	Exemption for Palaeontological Impact Assessment completed
4.	Terrestrial Biodiversity Impact Assessment	<p>A Terrestrial Biodiversity Compliance Statement was undertaken. No sensitive vegetation / habitats occurs on site.</p>
5.	Aquatic Biodiversity Impact Assessment	This study has been included with the Wetland Delineation and Functional Assessment.
6.	Hydrological Impact Assessment	This study has been undertaken.
7.	Socio-Economic Impact Assessment	<p>This study will not be undertaken.</p> <p>There are no sensitive receptors surrounding the site. Limited jobs are to be created during the construction phase. The project will have a positive impact in terms of improved environmental performance, as it will eliminate dirty water (ash laden water) spills into the surround environment.</p>
8.	Plant Species Assessment	This is included in the Terrestrial Biodiversity Compliance Statement.
9.	Animal Species Assessment	This is included in the Terrestrial Biodiversity Compliance Statement.

9. Additional Specialist Studies

The following additional Specialist Studies were undertaken:

- Wetland Rehabilitation Plan
- Geohydrological Assessment

10. DFFE Specific Requirements

11. Discussion

12. Way Forward