



AGENDA & MEETING NOTES

PROJECT NUMBER	41107629	MEETING DATE	08 April 2025
PROJECT NAME	Mortimer Smelter - Additional Slag Cleaning and SO ₂ Abatement	VENUE	Microsoft Teams
CLIENT	Anglo American Platinum Limited (AAP)	RECORDED BY	Tiffany Seema
MEETING SUBJECT	NW DEDECT: Pre-Application Meeting		

PRESENT	Name	Initials	Representing
	Ellis Nkau	EN	North West Department of Economic Development, Environment, Conservation and Tourism (NWDEDECT)
	Motshabi Mohlalisi	MM	NWDEDECT
	Bopaki Buthelezi	BB	NWDEDECT
	Lungiswa Nonkomo	LN	NWDEDECT
	Tlotleng Kgosiemang	TK	NWDEDECT
	Dustin Van Helsdingen	DvH	Anglo American Platinum Limited (AAP)
	Graham Marsden	GM	AAP
	Veronique Labuschagne	VL	AAP
	Anri Scheepers	AS	WSP Group Africa (Pty) Ltd (WSP)
	Tiffany Seema	TS	WSP
DISTRIBUTION	As above		
CONFIDENTIALITY	Internal		

MEETING NOTES

ITEM	SUBJECT	ACTION	DUE
1	<p>Welcome and introductions:</p> <p>The meeting was opened at 10:05am and a brief round of introductions was undertaken.</p>	None	-
2	<p>Project description:</p> <p><u>AS</u> provided a summary of the proposed project description, noting that the Mortimer Smelter furnace is currently under care and maintenance. The presentation also included regulatory requirements, as understood by WSP (refer to Annexure A for a copy of the meeting presentation) including, <i>inter alia</i>, amendment of the existing Atmospheric Emissions Licence (AEL) that triggers the Basic Assessment (BA) process.</p> <p><u>GM</u> added that the furnace was placed under care and maintenance. AAP now aims to recommission the furnace to help address current slag cleaning constraints.</p> <p><u>GM</u> provided the technical descriptions of the proposed activities.</p>	None	-
2.1	<p>Application requirements:</p> <p><u>BB</u> requested that a meeting be held with the Bojanala District as they are the licencing authority for the AEL application.</p> <p><u>AS</u> explained that a separate meeting will be held with the Bojanala District Municipality. The link between the current amendment application and the renewal of the AEL will need to be discussed in detail with the licencing authority, as the AEL is set to expire in 2026.</p>	None	-
2.2	<p>Specialist Studies:</p> <p><u>AS</u> asked for confirmation that the authority is happy with the specialist studies that have been commissioned for the BA, and were identified based on the Department of Forestry, Fisheries and the Environment (DFFE) screening tool as well as onsite verification:</p> <ul style="list-style-type: none"> ■ Air Quality Impact Assessment ■ Rapid Human Health Impact Assessment ■ Noise Impact Assessment ■ Terrestrial Biodiversity Screening and Compliance Statement ■ Aquatic Biodiversity Screening and Compliance Statement ■ Archaeological and Cultural Heritage Desktop Assessment and Exemption Application ■ Palaeontological Desktop Assessment and Exemption Application ■ Surface Water Screening and Compliance Statement <p><u>MM</u> confirmed that the approach to use the DFFE screening tool to identify the required specialist studies is correct and trusts that all the issues will be addressed this way. Given the authorisations already in place, the additional studies are expected to thoroughly cover the impacts of the proposed expansion.</p>	None	-

ITEM	SUBJECT	ACTION	DUE
2.3	<p>Application forms and reporting templates:</p> <p><u>AS</u> explained that WSP have received the latest application forms and requested confirmation that there is no BA report template in place for the NWDEDECT.</p> <p><u>EN</u> asked whether the activities will be an upgrade or expansion in terms of the construction of additional facilities.</p> <p><u>AS</u> confirmed that the proposed activities will be an expansion to existing activities. This will include the construction of additional supporting structures to allow for the primary furnace to operate in addition as a slag cleaning furnace.</p> <p><u>EN</u> confirmed that the NWDEDECT does not provide a specific template for the BA report. Instead, the Department expects the Environmental Assessment Practitioner (EAP) to compile the report based on Appendix 1 of the Environmental Impact Assessment (EIA) Regulations, along with the Environmental Management Programme (EMPr) in terms of Appendix 4. Further to this, the Department will expect a facility specific EMPr and not a copy of the existing EMPr for the site.</p> <p><u>AS</u> confirmed that the reports will be compiled as requested.</p> <p><u>EN</u> asked whether the new application form that was referred to earlier in the presentation is the correct one as the banking details provided in the forms have now been changed from FNB to ABSA.</p> <p><u>TS</u> confirmed that the application form provided does contain banking details for ABSA.</p>	BA report and EMPr to be compiled in accordance with Appendix 1 and Appendix 4 of the EIA Regulations.	To be submitted once all relevant documents have been compiled
3	<p>Way forward</p> <p><u>AS</u> explained that the next step will be submission of the application form and the draft BA report to the Department and the relevant stakeholders for public review. The public review period will be scheduled to account for public holidays.</p> <p><u>EN</u> requested that confirmation be obtained from the Bojanala District Municipality regarding the need for an AEL amendment, in order to determine whether Activity 34 of Listing Notice 1 (GN R.983 of 2014, as amended) is applicable. She also requested that the licencing authority is included as a key Interested and Affected Party (I&AP) during the EIA process.</p>	Bojanala District Municipality to be included in the I&AP database.	-
1	<p>Closure:</p> <p>The meeting was closed at 10:34am</p>	None	-

MEETING NOTES

ANNEXURE A: MEETING PRESENTATION



NWDEDECT Pre-Application Meeting

Mortimer Smelter – Additional Slag Cleaning (ASC) and SO₂
Abatement

8 April 2025



Introductions

Applicant**Anglo American Platinum Limited**

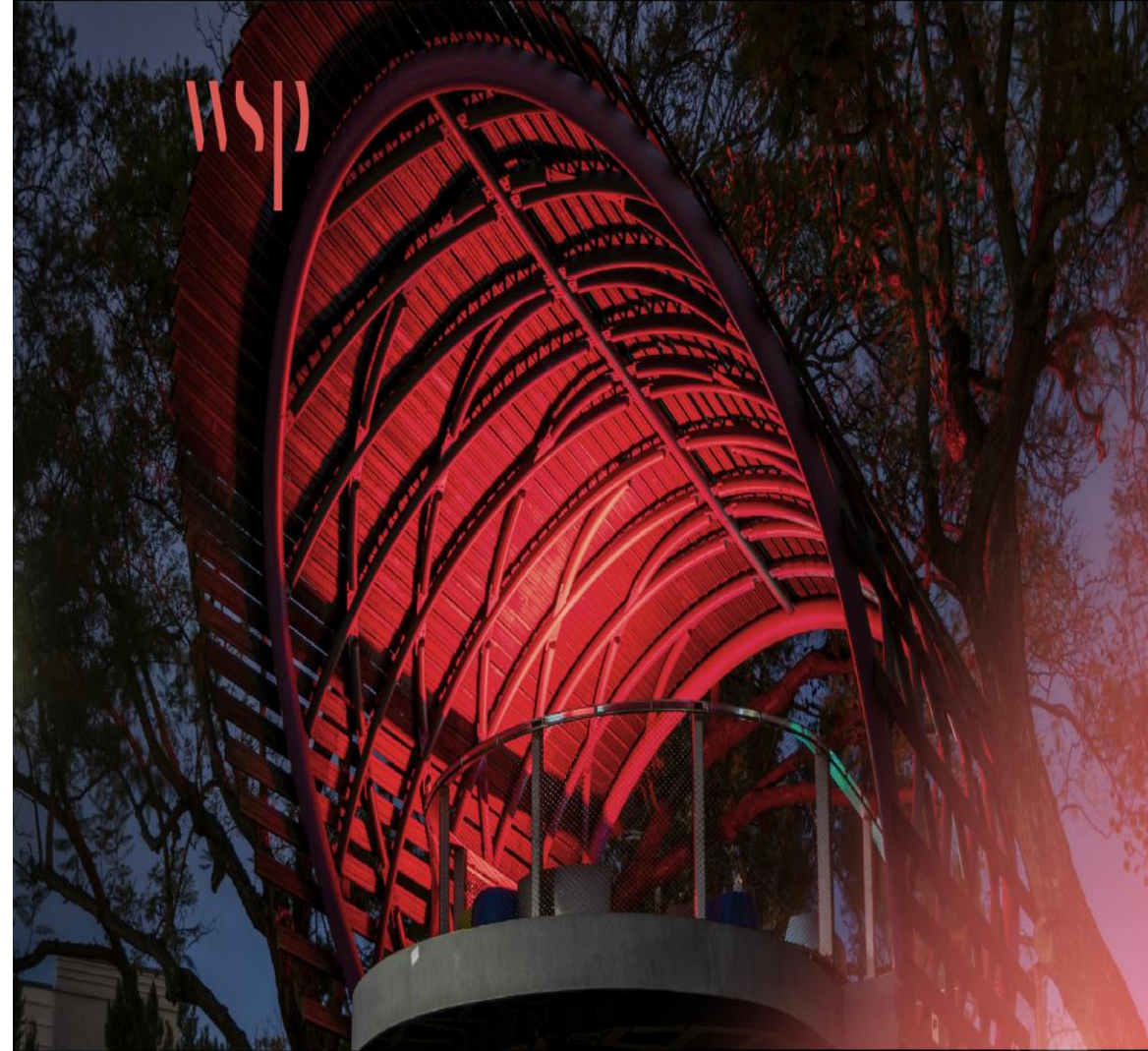
Dustin van Helsdingen
Veronique Labuschagne

EAP**WSP Group Africa (Pty) Ltd**

Anri Scheepers
Tiffany Seema

Authority**NWDEDECT**

Motshabi Mohlalisi
Bopaki Buthelezi
Lungiswa Nonkomo
Tlotleng Kgosiemang



Agenda

1

Overview of the Project

Background
Location
Technical Description

2

Overview & Confirmation of Permitting Processes

Listed Activities
Specialist Assessments as identified by DFFE Screening Tool
Specialist Studies commissioned
Competent Authority

3

Public Participation Process

4

Timeframes

5

Discussion

Clarification Questions
Way Forward

Background

- The Slag Cleaning Furnace (SCF) at Waterval Smelter provides a critical function in the Anglo American Platinum (AAP) value chain for recovery of Platinum Group Metals (PGMs) and base metals (Ni, Cu and Co) from the Anglo Converter Plant (ACP) converter slag (WACS). The SCF capacity has been constrained for many years and will continue to be under capacity pressure, despite a full furnace rebuild that was completed in 2023.
- Historically, deficits in slag cleaning capacity have given rise to excess WACS stockpiles containing significant Work In Progress (WIP). Crude milling and flotation campaigns of the excess WACS have been carried out for recovery of some metal to a concentrate, however, resulted in a large WACS tailings (WACSt) stockpile at Waterval Smelter, and also displaced significant quantities of mixed six-in-line and SCF slag also requiring stockpiling.
- The WACS and WACSt stockpiles contain significant quantities of base and precious metals, and it is important for overall smelting recoveries that there is sufficient slag cleaning capacity to process all the WACS and WACSt.

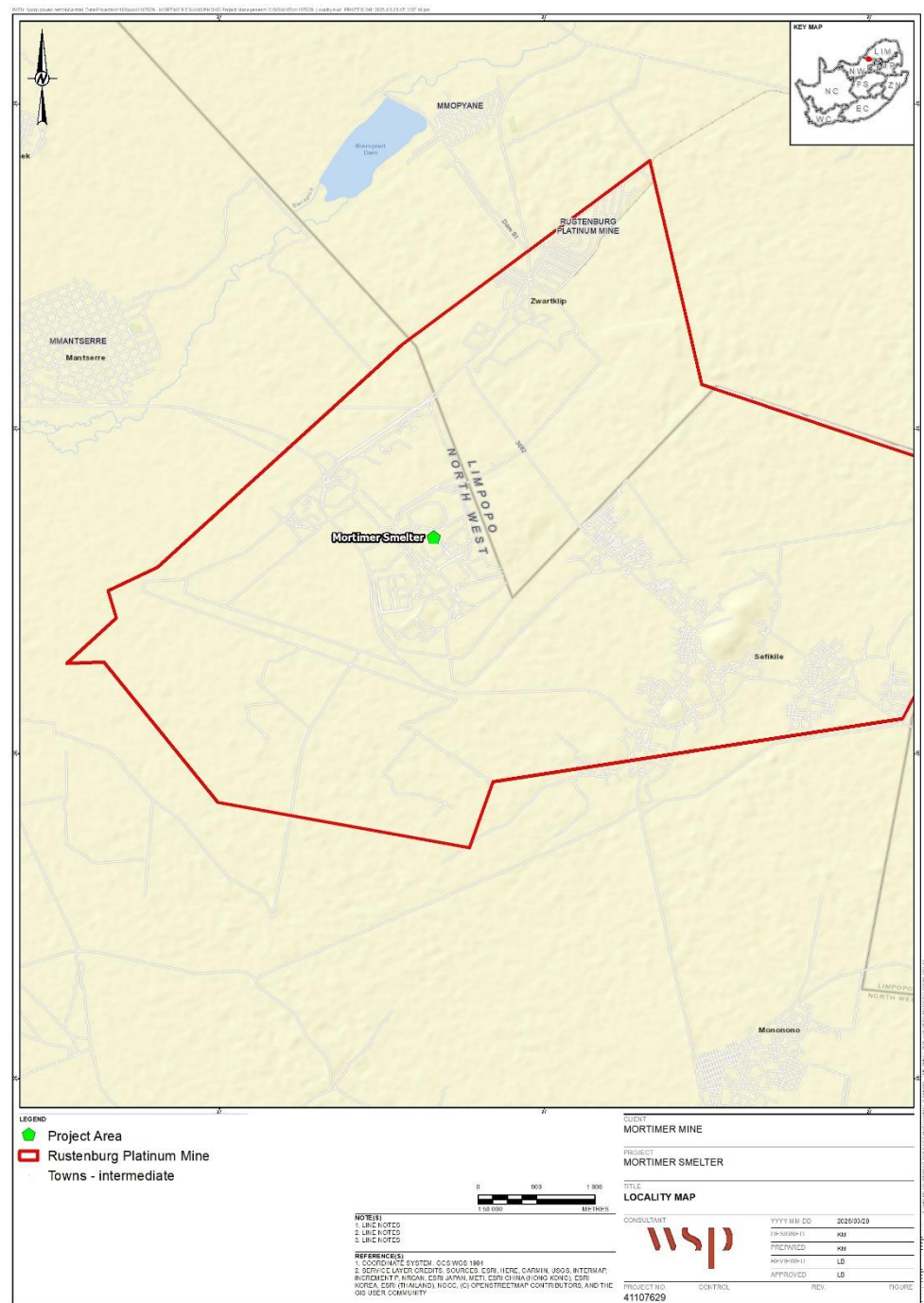
Background

- Based on the requirements for reprocessing stockpiles and new WACS arisings, AAP is recommending Additional Slag Cleaning capacity be constructed at the Mortimer Smelter to de-risk the metal flow processing circuit.
- The Mortimer Smelter in Swartklip, North West province, currently runs one primary smelting furnace (which is on care and maintenance)..
- Upgrades to the Mortimer furnace, to allow for the processing of WACS and WACSt, will include the receiving, handling, drying, storing and transporting of the newly required feed material to the furnace and appropriate feeding systems into the furnace. There will be upgrades to the off gas system as well as the utilities required to support these systems.

Existing Authorisations

- Environmental Authorisations:
 - Approved Mortimer Smelter EMPr (EAR 05/2021)
 - Original Mortimer EMPr – 23 November 2017
 - Amendment – 18 December 2021
 - SO₂ Abatement Plant EMPr and EA (NW30/5/1/2/3/2/1/366EM-3)
 - Approved - 12 March 2018
 - Amendment – 7 March 2022
- Atmospheric Emissions Licence
 - Valid until 30 September 2026

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Technical Description

Activity	Description
Furnace Feed Materials	<ul style="list-style-type: none"> • Green Concentrate • “Wet” WACS • “Wet” WACS Tailings (WACSt) • Reductant • Combustion Air • Road and wet transportation to Mortimer Smelter
Feed Material Drying and Handling	<ul style="list-style-type: none"> • New feed system required, in conjunction with existing • New dedicated dryers • New Storage silo • New feeding system and modifications to existing feeding system • New dedicated storage bins
Furnace Chemistry	<ul style="list-style-type: none"> • The slag cleaning required in this furnace primarily involves settling out of converter matte droplets entrained in the WACS and reduction/sulphidising of Ni, Cu and Co that exists in the form of oxides and silicates (in both WACS and WACSt).

Technical Description

Activity	Description
Furnace Off-Gas	<ul style="list-style-type: none">• Upgrades to approved furnace off-gas system to enable Minimum Emissions Standard Compliance
Slag Granulation	<ul style="list-style-type: none">• Changed to dry granulation• Additional water pumping and cooling capacity

Listed Activities

- **AEL Amendment**

- Mortimer holds a valid AEL, with the Listed Activities 4.1 (Drying and Calcining) and 4.16 (Smelting and Converting of Sulphide Ores)
- With the inclusion of the proposed ASC the existing AEL will require amendment with inclusion of a new subcategory due to the reprocessing of the slag (4.20: Slag Processes)

- **Basic Assessment Process:**

- Listing Notice 1, Activity 34
- The expansion of existing facilities or infrastructure for any process or activity where such expansion will result in the need for a permit or licence or **an amended permit or licence** in terms of national or provincial legislation governing the release of emissions, effluent or pollution

DEA Screening Tool Identified Sensitivities

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

Specialist Studies Commissioned

SPECIALIST ASSESSMENT	COMMENT
Soils and Agricultural Potential Assessment	A Soils and Agricultural Assessment will not be undertaken. The site is transformed in entirety.
Archaeological and Cultural Heritage Impact Assessment	A Desktop Assessment with an exemption application will be undertaken.
Palaeontology Impact Assessment	A Palaeontological exemption application will be undertaken.
Visual Impact Assessment	The proposed development is situated within an existing industrial site boundary and a Visual Impact Assessment will not be undertaken.
Terrestrial Biodiversity Impact Assessment (including Plant & Animal species Themes)	An aquatic and terrestrial biodiversity screening and compliance statement report will be developed.
Aquatic Biodiversity Impact Assessment	
Air Quality Impact Assessment	Detailed modelling will be undertaken with the compilation of Atmospheric Impact Report.
Rapid Human Health Impact Assessment	A desktop identification of potential health impacts based on air quality will be undertaken.
Noise Impact Assessment	Detailed modelling with a Noise Impact Assessment Report.
Surface Water Assessment	A desktop surface water statement will be compiled.

Public Participation Plan

Public Participation Process

- Formally announce project via:
 - Advertisement (English and Setswana in one local and one provincial newspaper)
 - Site notices:
 - English and Setswana
 - Onsite and in the surrounding areas – 8 locations
 - Existing stakeholder database will be utilised and updated
- Compilation and management of I&AP Database
- Written notification:
 - Owners and occupiers on or adjacent to the proposed project site
 - Municipality Ward Councillor
 - District Municipality
 - Relevant State Departments
- Draft Report Review for 30 days
 - Online on the WSP website and WSP datafree website
 - 4 Public Places
- Focus Group Meeting
 - Focus group meeting with the Bakgatla ba Kgafela Traditional Council as lease landowners

Timeframes

- Authority Timeframes
 - Authority decision making timeframe is 107 days for BA
- Key Milestones
 - Submission of Application Forms – May 2025
 - BA Reports Public Review –May – June 2025
 - Submission of Final BA Reports – June 2025
 - Decision – September 2025
 - Construction commence – October 2025

Questions

Way Forward



Thank you



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