



Anglo American Platinum's Rustenburg Base Metals Refiners (RBMR)

Application for an Environmental Authorisation for the proposed expansion of surge tank capacity at RBMR, North West Province

Minutes for the Meeting: Pre-Application consultation with the North West Department of Economic Development, Environment, Conservation and Tourism (DEDECT)

Held: Virtually via Microsoft Teams, 2021/06/30 at 10:00

Action

1 Present and apologies

Present:

Ola Aleksandra Paton	–	RBMR
Dustin van Helsdingen	–	Anglo American
Boipuso Semanya	–	RBMR
Verona Buitendag	–	RBMR
Gasewabone Ellis Thebe	–	DEDECT
Motshabi Mohlalisi	–	DEDECT
Ndomupei Masawi	–	SRK Consulting
Manda Hinsch	–	SRK Consulting

The Microsoft (MS) Teams generated attendance register is attached as Appendix A.

2 Objectives of the Meeting

The purpose of the meeting was to discuss the application for an Environmental Authorisation (EA) for the proposed expansion of surge tank capacity at RBMR. The objectives of the meeting were to:

- Notify the DEDECT of the project and application;
- Discuss and confirm the proposed EA application process, including the required specialist studies;
- Discuss the stakeholder engagement process to be followed; and
- Discuss any other DEDECT requirements.

3 Background

Ms Masawi provided information on the project including:

- Background and location of the project;
- Identified activities listed in terms of the National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA) that are applicable to the proposed expansion of the surge tank capacity;
- A summary of the EA application process that will be followed;
- A list of anticipated impacts and specialist studies to be taken into account during the application; and

Appendix A: Attendance Register

Meeting Summary

Total Number of Participants

9

Meeting Title

RBMR Surge Capacity Project Competent Authority Pre-Application Meeting

Meeting Start Time

6/30/2021, 9:56:05 AM

Meeting End Time

6/30/2021, 10:38:25 AM

Full Name	Join Time	Leave Time	Duration	Email	Role
Ndomupei Masawi	6/30/2021, 9:56:05 AM	6/30/2021, 10:38:11 AM	42m 5s	[REDACTED]	Organizer
Manda Hinsch	6/30/2021, 9:56:18 AM	6/30/2021, 10:38:05 AM	41m 47s	[REDACTED]	Presenter
Paton, Aleksandra	6/30/2021, 9:59:01 AM	6/30/2021, 10:38:25 AM	39m 23s	[REDACTED]	Presenter
Motshabi Mohlalisi (Guest)	6/30/2021, 9:59:26 AM	6/30/2021, 10:02:36 AM	3m 10s	[REDACTED]	Presenter
Van Helsdingen, Dustin	6/30/2021, 9:59:30 AM	6/30/2021, 10:38:15 AM	38m 44s	[REDACTED].com	Presenter
Buitendag, Verona	6/30/2021, 9:59:39 AM	6/30/2021, 10:38:15 AM	38m 35s	[REDACTED]	Presenter
Semenya, Boipuso	6/30/2021, 9:59:50 AM	6/30/2021, 10:38:06 AM	38m 16s	[REDACTED]	Presenter
Motshabi Mohlalisi	6/30/2021, 10:02:43 AM	6/30/2021, 10:38:20 AM	35m 36s	[REDACTED]	Presenter
Gasewabone Ellis Thebe (NW) (Guest)	6/30/2021, 10:08:45 AM	6/30/2021, 10:38:15 AM	29m 29s	[REDACTED]	Presenter

Appendix B: Project Presentation



Application for an Environmental Authorisation for the proposed expansion of surge tank capacity at Anglo American Platinum's Rustenburg Base Metal Refiners (RBMR)

Authority Pre-Application Meeting

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Objectives of the Meeting

- Notify the DEDECT of the project and application;
- To discuss and confirm the proposed EA application process, including the required specialist studies;
- To discuss the stakeholder engagement process to be followed; and
- To discuss any other DEDECT requirements.

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Agenda

01	Introductions
02	Health and Safety
03	Project Background and EA Process Presentation
04	Q&A Discussion
05	Adjourned

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Background

- Anglo American Platinum's Rustenburg Base Metals Refiners (RBMR) Operations wishes to reduce overflow spillage from the surge tanks that currently report to tailings.
- The reduction will be achieved by building additional surge capacity tanks and upgrading the existing tanks currently on the RBMR site by 2025.
- RBMR is therefore proposing to increase the inter surge capacity at the plant to allow for operation without spilling valuable metal.
- The project will entail:
 - Expansion of Copper Removal Overflow Storage (CRS), Copper Advance Solution (CuAdv) and Selenium/Tellurium (Se/Te) feed tank inventories into other areas;
 - Conversion of old CRS inventory to Copper Removal Residue/Non-Oxidising Belt Filter Residue (CRR/NOXR) inventory;
 - Conversion of old Nickel Feed (NiFd) inventory to Nickel Atmospheric Leach Solution (NALS) inventory and old NALS inventory to Non-Oxidising Leach Solution/Nickel Dissolution Solution (NOXS/NIDS); and
 - Expand current Copper Spent Storage (CuSP) inventory into old Copper Advance Solution (CuAdv) inventory.
- The project will include civils, structural, piping & pumping, instrumentation and electrical modification/addition.

EA For the RBMR Surge Capacity Expansion Project

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Background

- The current and required surge capacity is summarised below:

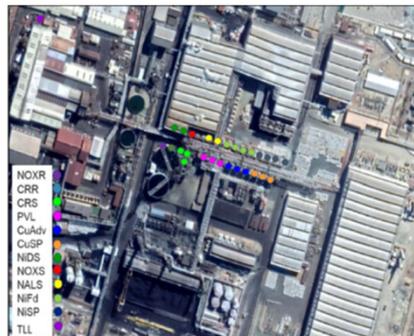
Inventory	Current (m ³)	Required (m ³)
Copper Removal Overflow Storage (CRS)	390	2 074
Copper Removal Residue (CRR)	110	153
Copper Spent Storage (CuSP)	360	1 169
Nickel Atmospheric Leach Solution (NALS)	260	1 028
Nickel Dissolution Solution (NIDS)	260	2 397
Selenium (Se) Feed Inventory	265	1 857
Copper Advance Solution (CuAdv)	348	1 886
Non-Oxidising Leach Solution (NOXS)	130	755
NOX Belt Filter Residue (NOXR)	140	230
Tertiary Leach Liquor (TLL)	40	165

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Current Location and Layout



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Proposed Location and Layout



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NEMA Listed Activities Triggered

The proposed plant triggers activities listed in Listing Notice 1 of the National Environmental Management Act, 1998 (Act 107 of 1998) (NEMA) as follows:

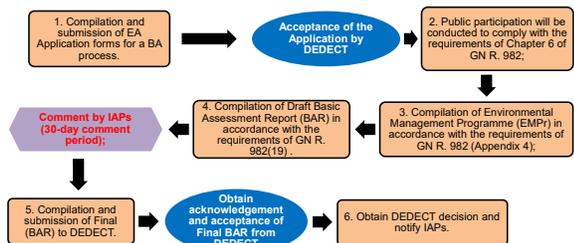
Indicate the number and date of the relevant notice:	Activity No (s) and Activity Description (in terms of the relevant notice)	Describe each listed activity as per project description
Listing Notice 1 (GNR 327): Activity 51	The expansion and related operation of facilities for the storage, or storage and are required to allow for operation at handling, of a dangerous good, 32.4ktpa Ni cathode production rate where the capacity of such without spilling valuable metal to the storage facility will be expanded by more than 80 cubic metres.	The project requires the construction and operation of additional tanks that and operation of additional tanks that are required to allow for operation at handling, of a dangerous good, 32.4ktpa Ni cathode production rate where the capacity of such without spilling valuable metal to the storage facility will be expanded by more than 80m ³ .

- The project therefore requires an Environmental Authorisation from the Department of Economic Development, Environment, Conservation and Tourism (DEDECT).
- A Basic Assessment process will be followed as per the requirements of GNR982 (as amended by GNR326 of 7 April 2017).
- RBMR appointed SRK Consulting (Pty) Ltd (SRK) as the independent Environmental Assessment Practitioner (EAP) to conduct the EA application and Basic Assessment process.

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EA Application process to be followed



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Potential Risks Identified

Element of Environment	Potential Impact Descriptions
Socio-Economic	Possible limited and temporary job opportunities during the construction phase of the project. The operation of the project will be undertaken within the current RBMR structures
Hydrogeology	Possible, but unlikely groundwater contamination.
Surface water	Possible, but unlikely surface water contamination.
Air Quality	Possible, but unlikely impact on air quality in the area.
Noise	Possible generation of noise during the construction phase of the project.
Visual	It is not anticipated that any additional visual impacts will be associated with the proposed project.
Soils/Land Use/Land Capability	As the tanks will be located within the footprint of the RBMR, no loss of soil resource, change in land capability and land use due to the proposed project is expected.
Biodiversity	As the proposed tanks will be located within the footprint of the RBMR, no loss of biodiversity is expected as result of the construction and operation of the plant.
Wetland	There are no wetlands that will be impacted by the proposed project.

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Specialist Studies

- No specialist studies will be required**
- The tanks will be located within the RBMR areas, already impacted by other activities.
- The assumption is mostly supported by findings from the DFFE Screening Tool which identified terrestrial biodiversity specialist studies as the only specialist study required.
- However, the areas are already sterilized by the existing infrastructure and do not have any remaining flora and/or fauna that will be impacted by the proposed project.
- The impact assessment will therefore be based on:
 - Existing information (specialist studies and EIA reports); and
 - EAP team experience.
- An Environmental Management Programme (EMPr) will be compiled for the proposed project, which will include mitigation measures required to minimise negative potential impacts.

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Stakeholder Engagement

- The stakeholder engagement will be conducted per the requirements of Chapter 6 of the NEMA:
 - Project Announcement (newspaper advertisement, on-site notices, notification letter);
 - Verification of the identified stakeholders, creation and maintenance of the stakeholder database;
 - A 30-day public comment period for stakeholders, including commenting authorities; and
 - Compilation of the Comments and Responses Report (CRR).
- Any stakeholder meetings required will be conducted virtually and where required, physically, in compliance with the COVID 19 Regulations.**

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Thank You

Presented by:
Ndomupel Masawi

