

MEETING NOTES

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Job Title	Proposed Installation of Sulphur Dioxide Abatement Equipment at Polokwane Smelter
Project Number	31101
Date	27 January 2017
Time	10:00 – 11:30
Venue	Anglo American Platinum Limited Polokwane Offices
Subject	Proposed Installation of Sulphur Dioxide Abatement Equipment at Polokwane Smelter – LEDET Pre-Application Meeting
Client	Anglo American Platinum Limited
Present	See Attached Attendance Register (Appendix A)
Apologies	None
Distribution	As per the Attendance Register

ACTION

1.0 WELCOME AND INTRODUCTIONS

1.1 Anri Scheepers thanked the Limpopo Department of Economic Development, Environment and Tourism (LEDET) for the opportunity to meet with them to discuss the Proposed Installation of Sulphur Dioxide Abatement Equipment at Polokwane Smelter.

1.2 A round of introductions was done, including:

- LEDET – Melinda Rodgers and Koena Ramalepe
- Anglo American Platinum Limited – Gerrit van De Linde, Adriaan Venter, Munei Sitsula and Frank Pieterse
- WSP | Parsons Brinckerhoff, Environment & Energy, Africa (WSP | Parsons Brinckerhoff) – Anri Scheepers

1.3 Anri Scheepers mentioned that the presentation (**Appendix B**) would be attached to the minutes together with the attendance register (**Appendix A**).

2.0 PROJECT BACKGROUND

2.1 Anglo American Platinum Limited (Anglo) owns and operates the Polokwane Smelter, which is located off the R37 to Burgersfort on Portions 6 and 49 of the farm Palmietfontein 24KS. The Polokwane Smelter is an existing metallurgical industrial furnace where sulphide ores are smelted.

2.2 The National Environmental Management Air Quality Act (No. 39 of 2004) (NEM:AQA) requires that furnaces at metallurgical industries be operated with efficient SO₂ abatement systems by 2015, however Polokwane Smelter has been given an extension until 2020. In order to comply with new South African legislation, and associated more stringent emission standards, an SO₂ abatement system must be installed at the Polokwane Smelter.

2.3 The proposed strategy to reduce SO₂ to achieve the Minimum Emission Standards (MES) is the installation of a Wet Gas Sulphuric Acid (WSA) Plant that will convert the SO₂ contained in the off-gas into commercial-grade concentrated sulphuric acid (H₂SO₄). The exhaust from the WSA plant (containing reduced SO₂ concentrations) will be vented into the

	ACTION
atmosphere, and the commercial grade sulphuric acid will be temporarily stored before being despatched into the commercial market.	
3.0 STAKEHOLDER ENGAGEMENT	
3.1 The LEDET requested that a 30 day notification period must be undertaken prior to the distribution of the Draft Scoping Report for public comments.	WSP
4.0 PROPOSED ACTIVITIES	
4.1 It was agreed that the proposed clearance of the area and the access route alternatives will be included in the layout map.	WSP
5.0 SPECIALIST STUDIES	
5.1 It was agreed that the identified specialist studies are sufficient.	
6.0 DOCUMENTATION SUBMISSION	
6.1 It was agreed that 2 hard copies and 2 electronic copies of all Reports must be submitted to the LEDET.	WSP

Appendix A – Attendance Register

ATTENDANCE REGISTER



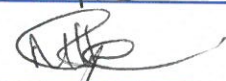


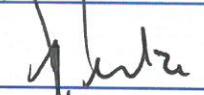

Project: Proposed Installation of Sulphur Dioxide Abatement Equipment at Polokwane Smelter

Applicant: Anglo American Platinum Limited

Meeting Title: Pre- Application Authority Meeting (Limpopo Department of Economic Development, Environment and Tourism)

Venue: Anglo American Platinum Limited, 30 General Joubert Street in Polokwane

Date: 27 January 2017

Name	Company Name	Email	Tel	Signature
Anri Scheepers	WSP Environmental	Anri.Scheepers@wsp.co.za	011 305 6389	
GERRIT VO LINDE	ANGLO PLAT	gerrit.vdl@angloplat.com	011373 6999	
Koena Ramalepe	LEDET	Ramalepe MK 2@ledet.gov.za	015 290 7156	
Melinda Rodgers	LEDET	rodgers@ledet.gov.za	015 290 7060	
Nunei Ramouha	Anglo PMC	nunei.sitsula@angloamerican.com	015 299 2632	
Frank Pieterse	Anglo	frank.pieterse@angloamerican.com	087 458 6842	
Adrian Venter	Anglo PMC	adrian.venter@angloamerican.com	0834596538	

Appendix B - Presentation

Proposed Installation of Sulphur Dioxide Abatement Equipment at Polokwane Smelter

Anglo American Platinum Limited



27 January 2017
Pre-Application Meeting

AGENDA

- 1. Welcome and Introduction**
- 2. Role Players**
- 3. Project Location**
- 4. Project Background**
- 5. Project Description**
- 6. Alternatives**
- 7. Legislative Requirements**
- 8. Specialist Studies**
- 9. Proposed Schedule**
- 10. Questions and Discussions**

WELCOME AND INTRODUCTION

Competent Authority

Limpopo Department: Economic Development, Environment and Tourism

Commenting Authorities

Capricorn District Municipality
Department of Water and Sanitation

Applicant

Anglo American Platinum Limited

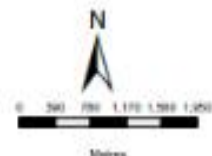
Environmental Assessment Practitioner

WSP | Parsons Brinckerhoff, Environment & Energy, Africa

**ANGLO AMERICAN
PLATINUM LIMITED**
POLOKWANE SMELTER
LOCATION

Legend

 Polokwane Smelter



DATA SOURCE: AEC GIS 10 2 0

PROJECTION: WGS 1984 UTM ZONE 35N

PROJECT: 10-F PROPOSED INSTALLATION OF SLOSHUR
DEVICE ABATEMENT EQUIPMENT AT ANGLO AMERICAN
PLATINUM LIMITED, POLOKWANE SMELTER

PROJECT NO: 0102

SCALE: 1:50,000 AT A4

DATE: 1 OCTOBER 2016

DRAWN BY: ANRI SCHROEDER

REVIEWED BY: SIGEL SEED



WSP 000176-000

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R37

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Image © 2016 DigitalGlobe

Google Earth

Tour Guide

2001

Imagery Date: 9/9/2016 24°01'46.08" S 29°28'07.22" E elev 1420 m eye alt 3.75 km

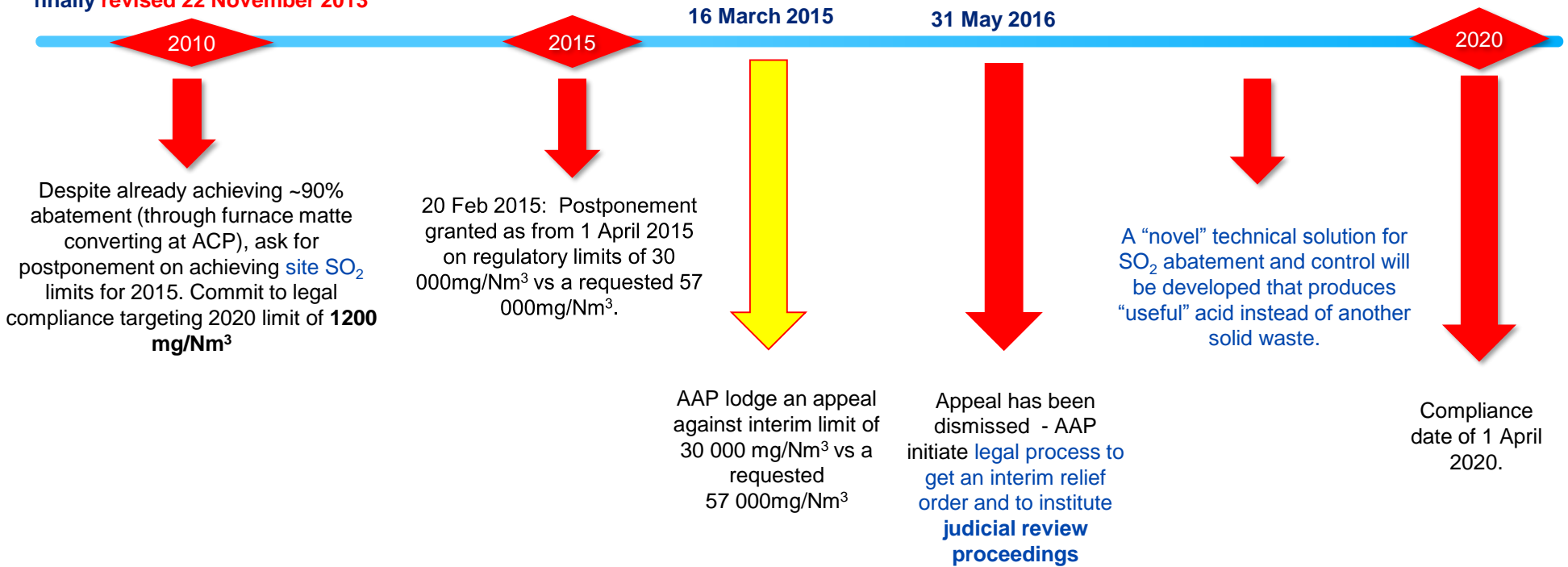
PROJECT BACKGROUND

SO₂ postponement & related appeal

Government notice of Minimum Emission Standards (MES) are published in the Government Gazette: 1 April 2010, then amended for Parliamentary Portfolio Review, and finally revised 22 November 2013

MES: SO₂ for existing facility: 3500mg/Nm³

MES: SO₂ for new/all facility: 1200mg/Nm³



SO ₂ Compliance requirements	Polokwane Smelter
Pre-2015 AEL condition	2500 mg/Nm ³
1 April 2015 MES requirement	3500 mg/Nm ³
1 April 2015 – 31 March 2020 postponement limit	30 000 mg/Nm ³ (requested 57 000 mg/Nm ³)
1 April 2020 MES requirement (require abatement)	1200 mg/Nm ³



PROJECT DESCRIPTION

- Electric Furnace Primary Gas Cleaning (Existing)
- Secondary Gas Cleaning (new additional cleaning)
- WSA Acid Plant
- Effluent Treatment Plant (401m³/day)
- Acid Concentrating Plant
- Acid Plant Cooling Water
- Dangerous Goods Storage and Handling
 - Acid – 1 200m³
 - LPG – 68m³
- Water Usage and Storage
 - Required - 869m³/day
 - Storage – 3 338m³
- Roads



ALTERNATIVES

- Location – None
- Type of activity – None
- Design or Layout of Activity
 - Contractor facilities
 - Operational
- Technology
- Operational Aspects – None
- No-Go
 - Legal non-compliance



LEGISLATIVE REQUIREMENTS

National Environmental Management Act (No. 107 of 1998)

- EIA Regulations (GNR 982)
- Listing Notice 1 (GNR 983)

- Activity 24

The development of –

(ii) a road with a reserve wider than 13,5 metres, or where no reserve exists where the road is wider than 8 metres;

New roads which will be wider than 8 metres but have a reserve of less than 30 metres will be constructed.

LEGISLATIVE REQUIREMENTS

National Environmental Management Act (No. 107 of 1998)

→ Listing Notice 1 (GNR 983)

- Activity 34

The expansion or changes to existing facilities for any process or activity where such expansion or changes 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 or pollution

The existing Atmospheric Emissions Licence (AEL) for Polokwane Smelter will have to be amended.

LEGISLATIVE REQUIREMENTS

National Environmental Management Act (No. 107 of 1998)

→ Listing Notice 2 (GNR 984)

■ Activity 4

The development of facilities or infrastructure, for the storage, or storage and handling of a dangerous good, where such storage occurs in containers with a combined capacity of more than 500 cubic metres.

The facility will store in excess of 500 cubic metres of dangerous goods.

→ Scoping and Environmental Impact Reporting Process

LEGISLATIVE REQUIREMENTS

**National Environmental
Management Air Quality Act (No. 59
of 2008)**

Due to the changes in emissions (positive) from the Polokwane Smelter an amendment to the existing Atmospheric Emissions Licence as well as a revised emissions inventory will be required for the proposed project (once authorised)

LEGISLATIVE REQUIREMENTS

National Water Act (No. 36 of 1998)

- **Polokwane Smelter Water Use Licence No: 27085555**
- **Provision for the abstraction of 218 m³/day from boreholes for watering of gardens and game watering purposes**
- **The Licence will have to be amended to enable Anglo to use the abstracted water for processing purposes**

SPECIALIST STUDIES

- **Air Quality Impact Assessment**
- **Noise Impact Assessment**
- **Biodiversity Assessment**
- **Climate Change Assessment**
- **Heritage Impact Assessment**
- **Major Hazard Assessment**
- **Social Impact Assessment**
- **Closure Assessment and Plan**

PROJECT SCHEDULE

Task	Dates
Pre-Application Meeting - LEDET	27 January 2017
Submission of Application Form	11 February 2017
Stakeholder Review of Draft Scoping Report	11 February 2017 – 13 March 2017 (30 days)
Submission and Review of WUL Amendment Application	13 March 2017 to 7 October 2017
Authority Approval of Scoping Phase	31 March 2017 – 15 May 2017 (43 days)
Stakeholder Review of Draft EIAR	18 May 2017 to 17 June 2017 (30 days)
Authority Approval of EIAR	30 June 2017 to 25 October 2017 (107 days)

QUESTIONS AND DISCUSSIONS