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COMMENT AND RESPONSE REPORT

PROPOSED INSTALLATION OF SULPHUR
DIOXIDE ABATEMENT EQUIPMENT AT ANGLO
AMERICAN PLATINUM LIMITED: MORTIMER
SMELTER

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COMMENT AND RESPONSE REPORT

PROPOSED INSTALLATION OF SULPHUR DIOXIDE ABATEMENT EQUIPMENT AT ANGLO AMERICAN PLATINUM LIMITED: MORTIMER SMELTER

Anglo American Platinum Limited

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1 INTRODUCTION

1.1 BACKGROUND INFORMATION

Anglo American Platinum Limited (AAP) owns and operates three smelting complexes, namely Polokwane, Mortimer and Waterval. This project relates to the Mortimer Smelter, which is located at the Union Section (RPM-US), straddling the Limpopo and North-West Provinces of South Africa. The Mortimer Smelter is situated in the North-West Province.

The Mortimer Smelter is an existing metallurgical industrial furnace where sulphide ores are smelted. Wet concentrate from the Concentrator is received and dried in flash dryers. The dry concentrate is smelted in an electric furnace, resulting in the recovery of platinum group metals (PGMs) and other base metals. The product of the smelting process (referred to as 'matte') is then tapped from the furnace, cast and crushed. The resulting furnace slag is currently stockpiled.

The Mortimer Smelter has been upgraded, with 'Phase One' of the upgrade occurring in 2008/2009 and 'Phase Two' in 2011, resulting in an increase in the furnace power from 19 MW to 38 MW. The off-gas is currently being treated via an electrostatic precipitator (ESP); exhaust from the ESP is vented into the atmosphere via a stack at 80m above the ground. The constituents in the emissions include particulate matter (PM), Sulphur Dioxide (SO₂) and nitrogen oxide (NO_x).

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 Mortimer Smelter was 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 Mortimer Smelter.

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 atmosphere via a 60/80 m high stack, and the commercial grade sulphuric acid will be temporarily stored before being dispatched into the commercial market.

The area upon which the WSA Plant and associated SO₂ abatement equipment (development) will be located, is within the Mortimer Smelter complex, and is hereafter referred to as the development site. This report is in support of the application for the new activities along with the amendment of the existing EMPR held by RPM-US.

2 COMMENTS RECEIVED

Comments received from registered stakeholders have been captured and responded to within **Table 1** below. The original comments are included in **Appendix A**.

Table 1: Comments and Responses

STAKEHOLDER DETAILS	COMMENT	RESPONSE	FINAL EIAR REFERENCE
Municipal Councillor (Ward 7)			
3 April 2017 Ward Councillor Meeting	<p>As part of the Social Impact Assessment a meeting was held on 3 April 2017 with the ward councillors, the majority of the issues raised related to RPM-US and not to the SO₂ Abatement Plant specifically.</p> <p>The only issues specifically raised against the SO₂ Abatement Project:</p> <ul style="list-style-type: none"> → Requested that local community members be employed on the project. → Requested that a skills development program be established to empower the communities. 	<p>As part of the mitigation and management measures the following commitments are made:</p> <ul style="list-style-type: none"> → Should unskilled labour be required during the construction phase, this should be sourced from the local communities. This requirement must be specified within the contract signed by the contractor. → AAP is to ensure that any new or replacement employment and procurement opportunities maximise benefits to local communities. → Local entrepreneurs and previously disadvantaged contractors must be provided preferential opportunities to tender for contracts. → Local recruitment must take place through the tribal recruitment office and with the knowledge of mutually agreed community structures and recruitment channels / mechanisms. → Sub-contractors must sign a compliance agreement with regards to local employment. → Sub-contractors must submit labour returns to verify local recruitment. → RPM-US must keep records of the number of local people employed, place of residence, recruitment office, job descriptions, length of service and opportunities for career development. Sub-contractors to RPM-US must keep similar records for all placements of local people. → Recruitment must favour local employment and skills training. RPM-US must establish skills training programmes for locals to address RPM-US's needs 	<p>Part A 3 (i)</p> <p>Part A 3 (j)</p> <p>Part A 3 (k)</p> <p>Part B 1</p>

STAKEHOLDER DETAILS	COMMENT	RESPONSE	FINAL EIAR REFERENCE
		<p>and to promote small, medium and micro enterprise (SMME) development.</p> <ul style="list-style-type: none"> → RPM-US must assist with the administration of the tribal recruitment office. This includes the facilitation of local skills audits, baseline data and the development of socio-economic databases. → Currently, AAP has a local recruitment and procurement policy in place, which their contractors must adhere to and provide evidence thereof. This may be enhanced through consultation with local communities and leadership, as well as the Department of Labour. This engagement may include ascertaining the local skills levels and providing information on general and scarce skills needs, as well as procurement opportunities available at the AAP facility. This process would aim at encouraging local communities to develop skills for future employment at the Mortimer Smelter operations. → The establishment of a Stakeholder Engagement Forum, with representatives from local community (including informal communities) is recommended. This should be developed into a structure to promote ongoing discussions, and ensure actions are taken by AAP, the local communities, traditional leadership and the local municipality to ensure that issues raised are resolved over time. → The outcomes of regular meetings should be tracked and managed to ensure that the information shared at forum meetings is meaningful and actions are implemented by the relevant parties. → AAP must identify ways in which they can improve their engagement with stakeholder through other existing forums, improved communication and regular feedback mechanisms. 	

STAKEHOLDER DETAILS	COMMENT	RESPONSE	FINAL EIAR REFERENCE
		→ Principles of equality, BEE, gender equality and non-discrimination must be implemented.	
Municipal Councillor (Ward 5)			
3 April 2017 Ward Councillor Meeting	<p>As part of the Social Impact Assessment a meeting was held on 3 April 2017 with the ward councillors, the majority of the issues raised related to RPM-US and not to the SO₂ Abatement Plant specifically.</p> <p>The only issues specifically raised against the SO₂ Abatement Project:</p> <ul style="list-style-type: none"> → Majority of the local woman are unemployed and hence get into relationships with the migrant workers. There is an increase in children with no fathers and other social problems. Requested that local community members be employed on the project. → Requested that employment opportunities are communicated directly with the community representatives and not only to the tribal authorities. 	<p>As part of the mitigation and management measures the following commitments are made:</p> <ul style="list-style-type: none"> → Should unskilled labour be required during the construction phase, this should be sourced from the local communities. This requirement must be specified within the contract signed by the contractor. → AAP is to ensure that any new or replacement employment and procurement opportunities maximise benefits to local communities. → Local entrepreneurs and previously disadvantaged contractors must be provided preferential opportunities to tender for contracts. → Local recruitment must take place through the tribal recruitment office and with the knowledge of mutually agreed community structures and recruitment channels / mechanisms. → Sub-contractors must sign a compliance agreement with regards to local employment. → Sub-contractors must submit labour returns to verify local recruitment. → RPM-US must keep records of the number of local people employed, place of residence, recruitment office, job descriptions, length of service and opportunities for career development. Sub-contractors to RPM-US must keep similar records for all placements of local people. → Recruitment must favour local employment and skills training. RPM-US must establish skills training 	<p>Part A 3 (i)</p> <p>Part A 3 (j)</p> <p>Part A 3 (k)</p> <p>Part B 1</p>

STAKEHOLDER DETAILS	COMMENT	RESPONSE	FINAL EIAR REFERENCE
		<p>programmes for locals to address RPM-US's needs and to promote small, medium and micro enterprise (SMME) development.</p> <ul style="list-style-type: none"> → RPM-US must assist with the administration of the tribal recruitment office. This includes the facilitation of local skills audits, baseline data and the development of socio-economic databases. → Currently, AAP has a local recruitment and procurement policy in place, which their contractors must adhere to and provide evidence thereof. This may be enhanced through consultation with local communities and leadership, as well as the Department of Labour. This engagement may include ascertaining the local skills levels and providing information on general and scarce skills needs, as well as procurement opportunities available at the AAP facility. This process would aim at encouraging local communities to develop skills for future employment at the Mortimer Smelter operations. → The establishment of a Stakeholder Engagement Forum, with representatives from local community (including informal communities) is recommended. This should be developed into a structure to promote on-going discussions, and ensure actions are taken by AAP, the local communities, traditional leadership and the local municipality to ensure that issues raised are resolved over time. → The outcomes of regular meetings should be tracked and managed to ensure that the information shared at forum meetings is meaningful and actions are implemented by the relevant parties. → AAP must identify ways in which they can improve their engagement with stakeholder through other existing 	

STAKEHOLDER DETAILS	COMMENT	RESPONSE	FINAL EIAR REFERENCE
		<p>forums, improved communication and regular feedback mechanisms.</p> <p>→ Principles of equality, BEE, gender equality and non-discrimination must be implemented.</p>	
Municipality (Moses Kotane Local Municipality)			
<p>3 April 2017 Meeting</p>	<p>As part of the Social Impact Assessment a meeting was held on 3 April 2017 with the ward councillors, the majority of the issues raised related to RPM-US and general issues in the area, and not to the SO₂ Abatement Plant specifically.</p> <p>The only issues specifically raised against the SO₂ Abatement Project:</p> <p>→ Requested that local community members be employed on the project.</p>	<p>As part of the mitigation and management measures the following commitments are made:</p> <p>→ Should unskilled labour be required during the construction phase, this should be sourced from the local communities. This requirement must be specified within the contract signed by the contractor.</p> <p>→ AAP is to ensure that any new or replacement employment and procurement opportunities maximise benefits to local communities.</p> <p>→ Local entrepreneurs and previously disadvantaged contractors must be provided preferential opportunities to tender for contracts.</p> <p>→ Local recruitment must take place through the tribal recruitment office and with the knowledge of mutually agreed community structures and recruitment channels / mechanisms.</p> <p>→ Sub-contractors must sign a compliance agreement with regards to local employment.</p> <p>→ Sub-contractors must submit labour returns to verify local recruitment.</p> <p>→ RPM-US must keep records of the number of local people employed, place of residence, recruitment office, job descriptions, length of service and opportunities for career development. Sub-contractors</p>	<p>Part A 3 (i)</p> <p>Part A 3 (j)</p> <p>Part A 3 (k)</p> <p>Part B 1</p>

STAKEHOLDER DETAILS	COMMENT	RESPONSE	FINAL EIAR REFERENCE
		<p>to RPM-US must keep similar records for all placements of local people.</p> <ul style="list-style-type: none"> → Recruitment must favour local employment and skills training. RPM-US must establish skills training programmes for locals to address RPM-US's needs and to promote small, medium and micro enterprise (SMME) development. → RPM-US must assist with the administration of the tribal recruitment office. This includes the facilitation of local skills audits, baseline data and the development of socio-economic databases. → Currently, AAP has a local recruitment and procurement policy in place, which their contractors must adhere to and provide evidence thereof. This may be enhanced through consultation with local communities and leadership, as well as the Department of Labour. This engagement may include ascertaining the local skills levels and providing information on general and scarce skills needs, as well as procurement opportunities available at the AAP facility. This process would aim at encouraging local communities to develop skills for future employment at the Mortimer Smelter operations. → The establishment of a Stakeholder Engagement Forum, with representatives from local community (including informal communities) is recommended. This should be developed into a structure to promote on-going discussions, and ensure actions are taken by AAP, the local communities, traditional leadership and the local municipality to ensure that issues raised are resolved over time. → The outcomes of regular meetings should be tracked and managed to ensure that the information shared at 	

STAKEHOLDER DETAILS	COMMENT	RESPONSE	FINAL EIAR REFERENCE
		<p>forum meetings is meaningful and actions are implemented by the relevant parties.</p> <p>→ AAP must identify ways in which they can improve their engagement with stakeholder through other existing forums, improved communication and regular feedback mechanisms.</p> <p>→ Principles of equality, BEE, gender equality and non-discrimination must be implemented.</p>	
Municipality (Thabazimbi Local Municipality)			
4 April 2017 Meeting	<p>As part of the Social Impact Assessment a meeting was held on 4 April 2017 with the ward councillors, the majority of the issues raised related to RPM-US and general issues in the area, and not to the SO₂ Abatement Plant specifically.</p> <p>There were no issues with the SO₂ Abatement Plant.</p>		
Municipality (Bojanala District Municipality)			
14 March 2017 Meeting	<p>It was queried whether Subcategory 2.3: Sulphur Recovery Units of GNR 983 (22 November 2013) could be applicable to the application.</p>	<p>Subsequent to the meeting it was confirmed that Anglo American Platinum Limited and the Department of Environmental Affairs (DEA) reached a consensus that none of the activities specified in Categories beside Category 4: Metallurgical Industry are applicable to their operations. As such Subcategory 2.3 will not be applicable.</p>	<p>Part A 3 (e)</p> <p>Part A 3 (i)</p> <p>Part A 3 (j)</p> <p>Part A 3 (k)</p>
Communities – Mantserre Tribal Office			
4 April 2017 Meeting	<p>As part of the Social Impact Assessment a meeting was held on 4 April 2017 with the Mantserre Tribal Office the majority of the issues raised related to RPM-US and general issues in the area, and not to the SO₂ Abatement Plant specifically.</p>		

STAKEHOLDER DETAILS	COMMENT	RESPONSE	FINAL EIAR REFERENCE
	There were no issues with the SO ₂ Abatement Plant.		
Dept. Environmental Affairs (North West Department of Agriculture and Rural Development)			
16 March 2017 Meeting	The NWREAD requested that activity 56 in terms of Listing Notice 1 be included.	An existing road will be widened by more than 6 metres and this activity has been included.	Part A 3 (e)
	It was queried whether Subcategory 7.2 Production of Acids of GNR 983 (22 November 2013) could be applicable to the application.	Subcategory 7.2 states that it is applicable to all installations producing, handling and or using more than 100 tons per annum of any of the listed compounds (Excluding metallurgical processes-related activities regulated under category 4). Subcategory 4.1 and 4.16 are being applied for and as such Subcategory 7.2 will not be applicable. In addition subsequent to the meeting it was confirmed that Anglo American Platinum Limited and the Department of Environmental Affairs (DEA) reached a consensus that none of the activities specified in Categories beside Category 4: Metallurgical Industry are applicable to their operations. As such Subcategory 7.2 will not be applicable.	Part A 3 (e) Part A 3 (i) Part A 3 (j) Part A 3 (k)
	NWREAD indicated that they only received a hard copy of the Draft Scoping Report for comment on 9 March 2017 and raised a concern that the Final Scoping Report submitted to the DMR did not include their comments.	WSP indicated that an electronic copy of the Draft Scoping Report was submitted to the NWREAD on 22 February 2017. WSP agreed to address the comments raised by the NWREAD in the Draft Environmental Impact Assessment Report, however to date no further comments have been received.	Part A 3 (g) ii
12 May 2017 (Formal Comments)	It was indicated by WSP at a meeting held in our offices on 16 March 2017 that the applicant intends to upgrade an existing road; and to construct a new road that will complete the road network that will provide access the site; It is recommended that Activity 56 of Listing Notice 1 of EIA Regulations of 2014 be included in the list of activities applied—or to ensure that the road upgrade activity is covered in the Environmental Authorisation. This will avoid future confusion of compliance	Activity 56 of Listing Notice 1 of EIA Regulations of 2014 have been included.	Part A 3 (e)

STAKEHOLDER DETAILS	COMMENT	RESPONSE	FINAL EIAR REFERENCE
	monitoring for the road activity as both upgrading existing road and construction of new road are listed separately in the Listing Notices.		
	It was noted that the final Scoping Report was already submitted to the DMR at the that the draft Scoping Report was provided to this Department for comment.	An electronic copy of the Draft Scoping Report was submitted to the NWREAD on 22 February 2017, however subsequently it was requested that a hard copy be submitted. WSP commits to provide the NWREAD with two hard copies and 2 electronic copies of all reports at the outset of the public review period.	Part A 3 (g) ii
Department of Water and Sanitation			
16 March 2017 Meeting (minutes attached in Appendix 5)	The NWREAD requested that activity 56 in terms of Listing Notice 1 be included.	An existing road will be widened by more than 6 metres and this activity has been included.	Part A 3 (e)
	It was queried whether Subcategory 7.2 Production of Acids of GNR 983 (22 November 2013) could be applicable to the application.	Subcategory 7.2 states that it is applicable to all installations producing, handling and or using more than 100 tons per annum of any of the listed compounds (Excluding metallurgical processes-related activities regulated under category 4). Subcategory 4.1 and 4.16 are being applied for and as such Subcategory 7.2 will not be applicable. In addition subsequent to the meeting it was confirmed that Anglo American Platinum Limited and the Department of Environmental Affairs (DEA) reached a consensus that none of the activities specified in Categories beside Category 4: Metallurgical Industry are applicable to their operations. As such Subcategory 7.2 will not be applicable.	Part A 3 (e) Part A 3 (i) Part A 3 (j) Part A 3 (k)
	NWREAD indicated that they only received a hard copy of the Draft Scoping Report for comment on 9 March 2017 and raised a concern that the Final Scoping Report submitted to the DMR did not include their comments.	WSP indicated that an electronic copy of the Draft Scoping Report was submitted to the NWREAD on 22 February 2017. WSP agreed to address the comments raised by the NWREAD in the Draft Environmental Impact Assessment	Part A 3 (g) ii

STAKEHOLDER DETAILS	COMMENT	RESPONSE	FINAL EIAR REFERENCE
		Report, however to date no further comments have been received.	

Appendix A

COMMENTS RECEIVED



read

Department:
**Rural, Environment and Agricultural
 Development**
 North West Provincial Government
 REPUBLIC OF SOUTH AFRICA



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Reference: NWP/DMR/174/2016
DMR Ref No.: NW 30/5/1/2/3/2/1/366EM

Attention: Ms Anri Scheepers
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Dear Madam

**COMMENTS ON DRAFT SCOPING REPORT FOR THE PROPOSED INSTALLATION OF SULPHUR DIOXIDE (SO₂)
 ABATEMENT EQUIPMENT AT ANGLO AMERICAN PLATINUM LIMITED: MORTIMER SMELTER.**

1. The draft Scoping Report submitted in respect of the above-mentioned proposed prospecting rights application, received by this Department on 09 March 2017 and the meeting conducted with the Department on 16 March 2017 has reference.
2. This Department comments as follows:
 - a. It was indicated by WSP at a meeting held in our Rustenburg Offices on 16 March 2017 that the applicant intends to upgrade an existing road; and to construct a new road that will complete the road network that will provide access the site; It is recommended that Activity 56 of Listing Notice 1 of EIA Regulations of 2014 be included in the list of activities applied-for to ensure that the road upgrade activity is covered in the Environmental Authorisation. This will avoid future confusion of compliance monitoring for the road activity as both upgrading existing road and construction of new road are listed separately in the Listing Notices.
 - b. It was noted that the final Scoping Report was already submitted to DMR at the time that the draft Scoping Report was provided to this Department for comments.

Please contact this Department should you have any queries regarding this correspondence.

Yours Faithfully

Ms. Portia Krisjan
Director: Environmental Quality Management
North West Department of Rural, Environment and Agricultural Development

Date: 12/05/2017