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Department:
Economic Development, Environment,
Conservation and Tourism
North West Provincial Government
REPUBLIC OF SOUTH AFRICA



AgriCentre Building
Cnr. Dr. James Moroka
Stadium Rd
Private Bag X2039
MMABATHO 273
www.nwpg.gov.za

CHIEF DIRECTORATE: ENVIRONMENTAL SERVICES
DIRECTORATE: ENVIRONMENTAL QUALITY MANAGEMENT

Enquiries: Ouma Skosana
Tel: +27 (18) 389 5156
Email: oskosana@nwpg.gov.za

DETAILS AND EXPERTISE OF SPECIALIST AND DECLARATION OF INTEREST

	(For official use only)
File Reference Number:	
NEAS Reference Number:	
Date Received:	

Application for authorisation in terms of the National Environmental Management Act, 1998 (Act No. 107 of 1998), as amended and the Environmental Impact Assessment Regulations, 2014

PROJECT TITLE

RPM Upgrade of Mortimer Smelter, west of Northam

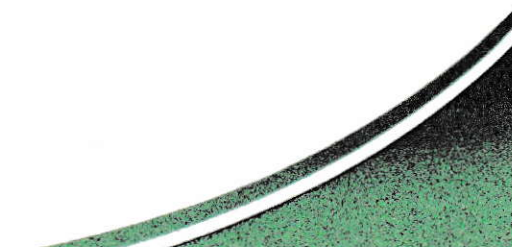
1. Details of Specialist

Type of Specialist:	Palaeontology		
Company Name:	Marion Bamford Consulting		
Contact person:	Marion Bamford		
Postal address:	P O Box 652		
Postal code:	2050	Cell:	0825556937
Telephone:	011 717 6690	Fax:	-
E-mail:	Marionbamford12@gmail.com		
Professional affiliation(s) (if any)	PSSA, SASQUA, INQUA, IOP, FRSSAf, mASSAf		

Project Consultant:	WSP Group Africa (Pty) Ltd		
Contact person:	Anri Scheepers		
Postal address:	P.O. Box 6001, Halfway House		
Postal code:	1685	Cell:	+31 62 287 0811
Telephone:		Fax:	
E-mail:	Anri.Scheepers@wsp.com		



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2. Expertise of the Specialist including Curriculum vitae (Appendix 6 (1)(a)(ii) of EIA Regulations, 2014)

**Curriculum vitae (short) - Marion Bamford PhD
January 2025**

Present employment: Professor; Director of the Evolutionary Studies Institute.
Member Management Committee of the NRF/DSI
Centre of
Excellence Palaeosciences, University of the
Witwatersrand,
Johannesburg, South Africa
Telephone : +27 11 717 6690
Cell : 082 555 6937
E-mail : marion.bamford@wits.ac.za ;
marionbamford12@gmail.com

ii) Academic qualifications

Tertiary Education: All at the University of the Witwatersrand:
1980-1982: BSc, majors in Botany and Microbiology. Graduated April 1983.
1983: BSc Honours, Botany and Palaeobotany. Graduated April 1984.
1984-1986: MSc in Palaeobotany. Graduated with Distinction, November 1986.
1986-1989: PhD in Palaeobotany. Graduated in June 1990.

iii) Professional qualifications

Wood Anatomy Training (overseas as nothing was available in South Africa):
1994 - Service d'Anatomie des Bois, Musée Royal de l'Afrique Centrale, Tervuren, Belgium, by Roger Dechamps
1997 - Université Pierre et Marie Curie, Paris, France, by Dr Jean-Claude Koeniguer
1997 - Université Claude Bernard, Lyon, France by Prof Georges Barale, Dr Jean-Pierre Gros, and Dr Marc Philippe

iv) Membership of professional bodies/associations

Palaeontological Society of Southern Africa
Royal Society of Southern Africa - Fellow: 2006 onwards
Academy of Sciences of South Africa - Member: Oct 2014 onwards
International Association of Wood Anatomists - First enrolled: January 1991
International Organization of Palaeobotany - 1993+
Botanical Society of South Africa
South African Committee on Stratigraphy - Biostratigraphy - 1997 - 2016
SASQUA (South African Society for Quaternary Research) - 1997+
PAGES - 2008 -onwards: South African representative
ROCEEH / WAVE - 2008+



INQUA – PALCOMM – 2011+onwards

v) Supervision of Higher Degrees

All at Wits University

Degree	Graduated/completed	Current
Honours	13	0
Masters	15	3
PhD	14	5
Postdoctoral fellows	14	4

vi) Undergraduate teaching

Geology II – Palaeobotany GEOL2008 – average 65 students per year

Biology III – Palaeobotany APES3029 – average 25 students per year

Honours – Evolution of Terrestrial Ecosystems; African Plio-Pleistocene

Palaeoecology; Micropalaeontology – average 12 - 20 students per year.

vii) Editing and reviewing

Editor: Palaeontologia africana: 2003 to 2013; 2014 – Assistant editor

Guest Editor: Quaternary International: 2005 volume

Member of Board of Review: Review of Palaeobotany and Palynology: 2010 –

Associate Editor: Cretaceous Research: 2018-2020

Review of manuscripts for ISI-listed journals: 30 local and international journals

viii) Palaeontological Impact Assessments

28 years' experience in PIA site and desktop projects with over 350 projects completed.

Selected from recent projects only – list not complete:

- Wolf-Skilpad-Grassridge OHPL 2022 for Zutari
- Iziduli and Msenge WEFs 2022 for CTS Heritage
- Hendrina North and South WEFs & SEFs 2022 for Cabanga
- Dealesville-Springhaas SEFs 2022 for GIBB Environmental
- Vhuvhili and Mukondeleli SEFs 2022 for CSIR
- Chemwes & Stilfontein SEFs 2022 for CTS Heritage
- Equestria Exts housing 2022 for Beyond Heritage
- Zeerust Saline boreholes 2022 for Prescali
- Tsakane Sewer upgrade 2022 for Tsimba
- Transnet MPP inland and coastal 2022 for ENVASS
- Ruighoek PRA 2022 for SLR Consulting (Africa)
- Namli MRA Steinkopf 2022 for Beyond Heritage
- Adara 2 SEF 2023 for CTS Heritage
- Buffalo & Lyra SEFs 2023 for Nextec
- Camel Thorn Group Prospecting Rights 2023 for AHSA
- Dalmanutha SEFs 2023 for Beyond Heritage
- Elandsfontein Residential 2023 for Beyond Heritage
- Waterkloof Samancor 2023 for Elemental Sustainability



- Zonnebloem WTP 2023 for WSP
- Elders Irrigation 2023 for SRK
- Leghoya WEFS 2023 for Red Cap & SLR
- Aberdeen Solar 1,2,3 2024 for Beyond Heritage
- BeauNero Mining 2024 for Lwethuma
- Brakfontein 264 IR Mining 2024 for Eco-elementum
- Hugo & Khoa SEFs 2024 for TerraMare

ix) **Research Output**

Publications by M K Bamford up to January 2025 peer-reviewed journals or scholarly books: over 190 articles published; 5 submitted/in press; 15 book chapters.

Scopus h-index = 33; Google Scholar h-index = 41; -i10-index = 130 based on 8046 citations.

Conferences: numerous presentations at local and international conferences.

3. **Declaration by Specialist**

I,---Marion Bamford----- (Name of Specialist) of ---Marion Bamford Consulting-----
(name of company) declare that;

- I act as an independent specialist in this application.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant.
- there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant/ Environmental Assessment Practitioner appointed by applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing any decision to be taken with respect to the application by the competent authority; and the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- **all the particulars furnished by me in this form are true and correct; and**
- **I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of Section 48B(2) of the Act.**



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Signature of the specialist

Marion Bamford Consulting

Name of company (if applicable)

28 May 2025

Date

Rob Wilentz

Signature of the Commissioner of Oaths

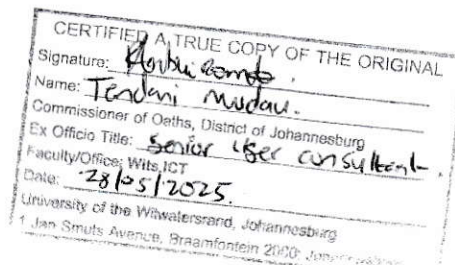
28/05/2025

Date

Senior User consultant

Designation

Official stamp:



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PROJECT TITLE

Mortimer Smelter – Additional Slag Cleaning and SO₂ Abatement Project

1. Details of Specialist

Type of Specialist:	Environmental Acoustic Specialist		
Company Name:	WSP Group Africa (Pty) Ltd		
Contact person:	Kirsten Collett		
Postal address:	P.O. Box 6001, Halfway House		
Postal code:	1685	Cell:	+27 83 645 1317
Telephone:	+27 11 361 1372	Fax:	
E-mail:	Kirsten.Collett@wsp.com		
Professional affiliation(s) (if any)	Pr. Sci. Nat		

Project Consultant:	WSP Group Africa (Pty) Ltd		
Contact person:	Anri Scheepers		
Postal address:	P.O. Box 6001, Halfway House		
Postal code:	1685	Cell:	+31 62 287 0811
Telephone:		Fax:	
E-mail:	Anri.Scheepers@wsp.com		



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2. Expertise of the Specialist including Curriculum Vitae (Appendix 6 (1)(a)(ii) of EIA Regulations, 2014)

Kirsten Collett is an air quality and acoustic consultant with a Master of Science (Atmospheric Sciences) degree obtained from the University of the Witwatersrand. She is currently employed by WSP and has worked on environmental acoustic impact assessments, monitoring and modelling for a variety of clients over the past thirteen years. She has provided acoustic consulting support to various client industries including petrochemical, mining and production industries, among others. She is also a registered Professional Natural Scientist (Pr. Nat. Sci.) with the South African Council for Natural Scientific Professions (SACNASP). Full CV attached.

3. Declaration by Specialist

I,---Kirsten Collett----- (Name of Specialist) of -----WSP Group Africa (Pty) Ltd----- (name of company) declare that;

- I act as an independent specialist in this application.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant.
- there are no circumstances that may compromise my objectivity in performing such work;

Specialist Declaration
EIA Regulations, 2014 as amended

Towards sustainable development and financial accountability in all our communities



- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
- I will comply with the Act, Regulations and all other applicable legislation;
- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant/ Environmental Assessment Practitioner appointed by applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing any decision to be taken with respect to the application by the competent authority; and the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- **all the particulars furnished by me in this form are true and correct; and**
- **I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of Section 48B(2) of the Act.**



Collett, Kirsten
(ZAKC02294)
2025.05.27
08:41:08 +02'00'

Signature of the specialist

WSP Group Africa (Pty) Ltd

Name of company (if applicable)

27 May 2025

Date



Digitally signed by
Sohana Gopi@wsp.com
DN: cn=Sohana Gopi@wsp.com
Date: 2025.05.27 23:06:00
+02'00'

Signature of the Commissioner of Oaths

Date

Designation

Official stamp:

SOHANA GOPI, ACMA CGMA
CIMA Membership No : 1-BXFAHH
Building 1, Maxwell Office Park,
Magwa Crescent Waterfall City,
Midrand, 1685
South Africa

Confirmed and signed digitally on 27.05.2025

Specialist Declaration

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PROJECT TITLE

Rustenburg Platinum Mines (RPM) - Anglo American Platinum Ltd: Mortimer Smelter - Additional Slag Cleaning and SO₂ Abatement

1. Details of Specialist

Type of Specialist:	Ecologist		
Company Name:	WSP Group Africa (Pty) Ltd		
Contact person:	Shavaughn Davis		
Postal address:	P.O. Box 6001, Halfway House		
Postal code:	1685	Cell:	+27 73 233 6110
Telephone:		Fax:	
E-mail:	Shavaughn.davis@wsp.com		
Professional affiliation(s) (if any)	South African Council for Natural Scientific Professions (SACNASP) – Registered as a Professional Natural Scientist in the fields of Zoological & Ecological Science. Registration No: 115025.		

Project Consultant:	WSP Group Africa (Pty) Ltd		
Contact person:	Anri Scheepers		
Postal address:	P.O. Box 6001, Halfway House		
Postal code:	1685	Cell:	+31 62 287 0811
Telephone:		Fax:	
E-mail:	Anri.Scheepers@wsp.com		



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2. Expertise of the Specialist including Curriculum Vitae (Appendix 6 (1)(a)(ii) of EIA Regulations, 2014)

Shavaughn Davis has 17 years working experience as an ecologist, with a specialisation in wetland ecology. She has experience conducting wetland and riparian delineation and assessment studies as part of scoping assessments, environmental impact assessments, wetland offset projects and reserve determination studies for a diversity of projects ranging from urban and linear infrastructure developments to coal and platinum group mining projects. Shavaughn has also been involved in the development of wetland rehabilitation, management and monitoring plans, and the execution of ongoing wetland monitoring. In addition to her work as a wetland specialist, she is a qualified zoologist and has undertaken numerous faunal surveys, both as part of wetland ecology assessments, and as part of larger biodiversity assessments for both urban and mining projects. Her experience is focussed on the wetlands and riparian habitats of South Africa but extends to include peat lands of Lesotho and Mozambique, the wetlands of the Okavango Delta in Botswana, and Dambo wetlands of the Copperbelt of northern Zambia. SACNASP registered Professional Natural Scientist (Zoological & Ecological Science).



3. Declaration by Specialist

I, Shavaughn Davis of WSP Group Africa (Pty) Ltd, declare that;

- I act as an independent specialist in this application.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant.
- there are no circumstances that may compromise my objectivity in performing such work;
- I have expertise in conducting the specialist report relevant to this application, including knowledge of the Act, Regulations and any guidelines that have relevance to the proposed activity;
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- I have no, and will not engage in, conflicting interests in the undertaking of the activity;
- I undertake to disclose to the applicant/ Environmental Assessment Practitioner appointed by applicant and the competent authority all material information in my possession that reasonably has or may have the potential of influencing any decision to be taken with respect to the application by the competent authority; and the objectivity of any report, plan or document to be prepared by myself for submission to the competent authority;
- all the particulars furnished by me in this form are true and correct; and
- I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of Section 48B(2) of the Act.



Signature of the specialist

WSP Group Africa (Pty) Ltd

Name of company (if applicable)

28 May 2025

Date



Signature of the Commissioner of Oaths

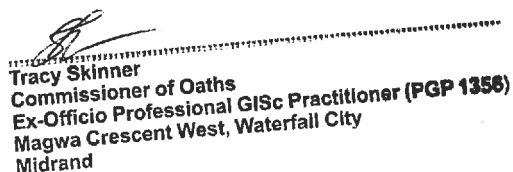
28/05/2025

Date

EX-OFFICIO PROFESSIONAL GISc PRACTITIONER

Designation

Official stamp:



Tracy Skinner
Commissioner of Oaths
Ex-Officio Professional GISc Practitioner (PGP 1356)
Magwa Crescent West, Waterfall City
Midrand

Specialist Declaration

EIA Regulations, 2014 as amended

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PROJECT TITLE

Rustenburg Platinum Mines (RPM) - Anglo American Platinum Ltd: Mortimer Smelter - Additional Slag Cleaning and SO₂ Abatement

1. Details of Specialist

Type of Specialist:	Terrestrial Ecologist		
Company Name:	WSP Group Africa (Pty) Ltd		
Contact person:	Sandhya Moodley		
Postal address:	P.O. Box 6001, Halfway House		
Postal code:	1685	Cell:	+27 82 302 8612
Telephone:		Fax:	
E-mail:	sandhya.moodley@wsp.com		
Professional affiliation(s) (if any)	South African Council for Natural Scientific Professions (SACNASP) – Registered as Candidate Scientist.		

Project Consultant:	WSP Group Africa (Pty) Ltd		
Contact person:	Anri Scheepers		
Postal address:	P.O. Box 6001, Halfway House		
Postal code:	1685	Cell:	+31 62 287 0811
Telephone:		Fax:	
E-mail:	Anri.Scheepers@wsp.com		



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2. Expertise of the Specialist including Curriculum vitae (Appendix 6 (1)(a)(ii) of EIA Regulations, 2014)

Qualifications:

- BSc (Hons) Animal, Plant and Environmental Science- University of the Witwatersrand 2019
- BSc (Biological Sciences)- University of the Witwatersrand 2018

Professional Memberships:

- SACNASP- Cand.Sci.Nat (156165) 2023-present
- SWS- Society of Wetland Scientists (302491) 2023-present
- ZSSA- Zoological Society of Southern Africa 2023-present

High-level Project Experience:

- Terrestrial Ecologist responsible for conducting specialist assessment and habitat condition mapping as part of EIA for proposed MTS Agriculture in Gauteng, South Africa.
- Terrestrial Ecologist responsible for conducting specialist assessment as part of EIA for proposed Sieggy Holdings Agriculture in North-West, South Africa.
- Terrestrial Ecologist responsible for conducting specialist assessment as part of EIA for proposed Lowveld Abattoirs in Mogwase, North-West, South Africa.
- Animal Species Specialist responsible for conducting Animal Species Compliance statement as part of EIA for proposed Lowveld Abattoir in Mogwase, North-West, South Africa.
- Terrestrial Ecologist responsible for creation of an Environmental Rehabilitation plan as part of EIA for the Emalahleni Municipality Landfill Sites, South Africa.
- Terrestrial Ecologist responsible for terrestrial biodiversity scoping assessment as part of EIA for the proposed container terminal at Port of Durban, Kwa-Zulu Natal, South Africa.
- Terrestrial Ecologist responsible for protected plant species assessment and relocation as part of EMPr for the proposed Camden II Wind Energy Farm at Ermelo, Mpumalanga, South Africa.



3. Declaration by Specialist

I, Sandhya Moodley of WSP Group Africa (Pty) Ltd, declare that;

- I act as an independent specialist in this application.
- I will perform the work relating to the application in an objective manner, even if this results in views and findings that are not favourable to the applicant.
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- **all the particulars furnished by me in this form are true and correct; and**
- **I realise that a false declaration is an offence in terms of Regulation 48 and is punishable in terms of Section 48B(2) of the Act.**

Sandhya

Signature of the specialist

WSP Group Africa (Pty) Ltd

Name of company (if applicable)

28 May 2025

Date

[Signature]

Signature of the Commissioner of Oaths

28/05/2025

Date

EX-OFFICIO PROFESSIONAL GISc PRACTITIONER

Designation

Official stamp:

[Signature]
Tracy Skinner
Commissioner of Oaths
Ex-Officio Professional GISc Practitioner (PGP 1356)
Magwa Crescent West, Waterfall City
Midrand

Specialist Declaration
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